

Top 100 Longevity Research Labs

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53. Institute of Development, Aging and Cancer (IDAC)
54. Institute of Gerontology
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68. Leibniz Institute on Aging - Fritz Lipmann Institute (FLI)
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70. Lifespan Health Research Center (LHRC)
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72. Max Planck Institute for Biology of Ageing
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74. McGill Centre for Studies in Aging (MCSA)
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76. Michigan Alzheimer's Disease Center (MADC)
77. Michigan Center on the Demography of Aging (MiCDA)
78. National Ageing Research Institute (NARI)
79. National Institute for Mental Health Research
80. National Institute for the Study of Ageing and Later Life (NISAL)
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86. Salford Institute for Dementia
87. Sanders-Brown Center on Aging (SBCoA)
88. Sau Po Centre on Ageing
89. School of Aging Studies
90. Smart Ageing International Research Center (SAIRC)
91. Stanford / VA Alzheimer's Research Center
92. Stanford Center on Longevity (SCL)
93. The Center for Healthy Ageing
94. The Charles F. and Joanne Knight Alzheimer's Disease Research Center (Knight ADRC)
95. Tulane Center for Aging
96. UAB Center for Aging
97. UCLA Longevity Center
98. UCSF Memory and Aging Center
99. USC Davis School of Gerontology & Ethel Percy Andrus Gerontology Center
100. USC/UCLA Center of Biodemography & Population Health (CBPH)

AGING INSTITUTE

Sowing Seeds for More Rewarding Lives

Aging Institute of UPMC Senior Services and the University of Pittsburgh

About:

Record numbers of older adults today are living well into their 80s, 90s and beyond. But as we age, we face increasingly complex challenges that affect how we feel, how we live our daily lives, and how we interact with the world around us. Helping older adults achieve longer, healthier, and more rewarding lives is the focus of the Aging Institute of UPMC Senior Services and the University of Pittsburgh.

As a world-class academic research center and top-ranked global health care system, the University of Pittsburgh and UPMC have pioneered advancements in aging and geriatric care for more than three decades. The Aging Institute brings together the expertise of these renowned researchers, scholars, and clinicians — along with leading local and national partners — to create and provide better care, better systems, and better resources for older adults and their caregivers.

The Aging Institute of UPMC Senior Services and the University of Pittsburgh will create productive and innovative programs for older adults by partnering a world-class integrated health care delivery and financing system with a leading center for academic scholarship.

Website: <http://www.upmc.com/services/aginginstitute/pages/default.aspx>

City: Pittsburgh / PA

Country: USA

Mission/Research Topics:

The Aging Institute of UPMC Senior Services and the University of Pittsburgh will provide integrated, comprehensive, and timely access to a full range of services for aged persons and the public. It offers state-of-the-art educational programs for the public and health care professionals, and promotes innovative research on aging to understand its causes and concomitants, both social and biological, as well as how best to intervene in illnesses associated with the aging process.

Ageing Research Centre, New South Wales Health Department

About:

The purpose of the centre is to research, develop and promote clinical and community understanding of the neurodegenerative diseases associated with population ageing, and their impact on the delivery of health care, community services and residential care.

With its ageing population, Australia will see rapidly rising numbers of older people who have disorders of cognition, movement, balance, planning capacity and behaviour, including Alzheimer's Disease, Parkinson's Disease and many less common but important neurodegenerative disorders. How they respond to this phenomenon is of great importance to the health of the population and the design and delivery of health and aged care services, now and into the future.

Currently, the centre conducts research of a clinical nature and we are working to translate these findings to applied population health. This means measuring, projecting and mapping the likely impacts of brain ageing at a community level.

They also participate in community events and present at national and international conferences to promote our findings and their importance in the understanding of brain ageing and its impact on the health and quality of life of older people themselves, their family carers and the wider Australian population.

Website: <http://www.seslhd.health.nsw.gov.au/POWH/arc/default.asp>

City: Randwick / NSW

Country: Australia

Mission/Research Topics:

- Aboriginal health, ageing, dementia
- Epidemiology
- Community health
- Health services
- Disability
- Carer support
- Social, environmental, and biological factors responsible for systemic ageing and brain ageing
- Neurodegenerative disorders - dementia, movement disorders, multifactorial syndromes of ageing
- Population ageing - geographic information systems analysis



Aging Research Center (ARC), Karolinska Institutet, Stockholm University

About:

ARC was established in 2000 by Karolinska Institutet and Stockholm University. We are a Forte Center—one of several research environments across Sweden funded by the Swedish Research Council for Working Life, Health and Welfare (Forte) as long-term, strategic investments capable of stimulating scientific innovations.

Together with the Stockholm Gerontology Research Center, the Swedish Dementia Center, and the magazine Older People in Focus (Äldre i Centrum), they are located in the House of Aging Research in Stockholm. they conduct research, educate the next generation of aging researchers, and spread information about our results within and outside the scientific world.

Website: <https://ki-su-arc.se/>

City: Stockholm

Country: Sweden

Mission/Research Topics:

- Risk factors of Alzheimer's disease and dementia
- Multimorbidity and physical functioning
- Cognitive functioning
- Brain imaging
- Gender differences in brain and cognition
- Pharmacoepidemiology
- Socio-economic differences in health and ageing
- Health economy



Alzheimer Disease Research Center (ADRC)

About:

The Alzheimer Disease Research Center at USC is supported by the National Institutes of Health to conduct research on memory problems and aging. Their studies include observational studies that follow participants over time while examining changes that may occur with age, and therapy studies such as exercise training, medications and vaccines. Their goals are to understand the biological changes that may precede worsening memory and to assess whether new treatments including drugs may be helpful in preventing memory or improving memory loss.

Funded by the NIH, the USC ADRC focuses on mild cognitive changes related to aging, Alzheimer's disease and cerebrovascular disease (CVD) in multi-ethnic communities. The USC ADRC has three overarching goals:

- To elucidate vascular contributions to Alzheimer's disease;
- To catalyze local research in Alzheimer's disease at USC (especially Phase I/Phase II clinical trials); and
- To contribute expertise in vascular disease and imaging to national collaborative initiatives.

ADRC has a wide variety of opportunities for volunteers to participate in research studies. Their studies are aimed at discovering ways to understand, prevent, and treat Alzheimer disease, related conditions such as vascular brain injury, and other memory problems. They seek diverse volunteers who may or may not have memory problems on an ongoing basis to help them as research participants.

Website: <http://adrc.usc.edu/>

City: Los Angeles

Country: USA / CA

Mission/Research Topics:

- Conduct research on memory problems and aging.
- Observational studies that follow participants over time while examining changes that may occur with age,
- Therapy studies such as exercise training, medications and vaccines.
- Understand the biological changes that may precede worsening memory
- Assess whether new treatments including drugs may be helpful in preventing memory or improving memory loss.



Alzheimer's Disease Research Center (ADRC), University of Pittsburgh

About:

The Alzheimer Disease Research Center (ADRC) at the University of Pittsburgh was established in 1985 by a grant from the National Institute on Aging (NIA), as a mechanism for integrating, coordinating and supporting research in Alzheimer's disease and aging. The ADRC performs and coordinates AD-related clinical and research activities and is a core source of support (e.g., resources, patients, tissue, expert consultation for research, clinical and training activities) regionally and nationally. Current research foci emphasize neuropsychiatry and neuropsychology, molecular genetics and epidemiology, basic neuroscience, and structural and functional imaging that aid in the diagnosis and treatment of Alzheimer's disease. The ADRC is one of the nation's leading research centers specializing in the diagnosis of Alzheimer's disease and related disorders. Through outpatient evaluations, participants and their families receive state-of-the-art diagnostic assessments and contribute to the scientific study of Alzheimer's disease.

Specific services at the ADRC include:

- Comprehensive diagnostic evaluation of patients with suspected Alzheimer's disease and other forms of dementia.
- Evaluation of memory, language, judgment, and other cognitive abilities
- Re-evaluation on an annual basis, or as needed, referrals to physicians, community social service agencies, transportation services, adult day care, support groups, long-term care, and other appropriate programs.
- Education and counseling for patients and families.
- Participation in state-of-the-art research studies.

Website: <http://www.adrc.pitt.edu/>

City: Pittsburgh / PA

Country: USA

Mission/Research Topics:

- Integrate, coordinate and support research in Alzheimer's disease and aging.
- Perform and coordinate AD-related clinical and research activities
- Provide support (e.g., resources, patients, tissue, expert consultation for research, clinical and training activities) regionally and nationally.
- Research neuropsychiatry and neuropsychology, molecular genetics and epidemiology, basic neuroscience, and structural and functional imaging that aid in the diagnosis and treatment of Alzheimer's disease.
- Diagnose patients with suspected Alzheimer's disease and other forms of dementia.
- Evaluate memory, language, judgment, and other cognitive abilities
- Educate and counsel patients and families.
- Participation in state-of-the-art research studies.



Alzheimer's Disease Research Center (ADRC), School of Medicine, Emory University

About:

The Emory Alzheimer's Disease Research Center (ADRC) is one of 27 active centers in the nation supported by the National Institutes of Health. (For a complete list of all active Alzheimer's Disease Centers, visit this site). The goal of these centers is to bring scientists together to facilitate their research and help learn more about Alzheimer's and related diseases. They are also committed to the education of health care professionals, persons with Alzheimer's disease, their families, and their community to aid in understanding, diagnosis and treatment of these illnesses.

Research is crucial to gain more information about disease, provide better care, and ultimately, prevent the burden of neurological diseases for future generations. One particular area of interest of the Emory ADRC is a better understanding of mild cognitive impairment and early diagnosis and treatment of memory disorders.

Website: <http://alzheimers.emory.edu/>

City: Atlanta / GA

Country: USA

Mission/Research Topics:

- Bring scientists together to facilitate their research and help learn more about Alzheimer's and related diseases.
- The education of health care professionals, persons with Alzheimer's disease, their families, and our community to aid in understanding, diagnosis and treatment of these illnesses.
- Research a better understanding of mild cognitive impairment and early diagnosis and treatment of memory disorders.
- Study of groups underrepresented in research, such as African Americans who are more affected by Alzheimer's disease.



Arizona Center of Aging (ACOA), University of Arizona

About:

Aging is the quintessential interdisciplinary issue, cutting across basic sciences, clinical/translational and health services research – invigorating and bridging research across the campus, across colleges, across the state. Remarkably, the aging process itself – what actually happens on the biochemical, genetic, cellular, and physiologic levels remains largely unknown. Differentiating “normal” aging changes in these processes from signs of potential disease are fundamental to our understanding of healthy aging and resilience. The center is uniquely positioned and has actively initiated programs to address these critical issues.

ACOA exists in order to improve quality of living and extend the lifespan of older adults. They want to eradicate the diseases and conditions that occur in advanced age, and to unleash the unparalleled wisdom, energy and experience of older adults for the benefit of all the world.

They believe that they can best meet this challenge through the true partnership of scientists, health care providers, educators and community workers. they strive to move fantastic discoveries from the lab to the community, and to bring questions and observations from real people into the lab where they can be solved. they are working to develop new ways of delivering healthcare that promote independence and healthy aging. Finally, they are committed to share these essential discoveries with communities in Tucson, Arizona, the US and the world through both education and outreach.

Website: <http://www.adrc.pitt.edu/>

City: Tucson / AZ

Country: USA

Mission/Research Topics:

- Develop and sustain competency-based interprofessional (IP) geriatric education for health care learners across the continuum of care.
- Providing older adults with evidence-based high-quality, safe, and culturally competent care towards optimal health outcomes and well-being.
- Improving the quality of life for America’s elderly by preparing physicians to provide better care for frail older people.



Aston Research Centre for Healthy Ageing (ARCHA), Aston University

About:

They take a multidisciplinary approach to successful ageing by asking how technological, therapeutic and psychosocial strategies can be employed to understand and arrest age-related decline.

Their mission is to facilitate research that helps understand, predict and prevent age-related degeneration. They have a specific focus on the eye, the mind, the metabolism and medicines and devices in the context of the psychological, social and policy factors affecting ageing lives.

Website: <http://www.aston.ac.uk/lhs/research/centres-facilities/archa/>

City: Birmingham

Country: UK

Mission/Research Topics:

- Ageing eye. Researchers work within an integrated investigative framework to advance significantly our understanding of the use, preservation and restoration of ocular function in the ageing eye.
- Ageing mind. The aim of this cluster is to understand changes in cognitive function as we age and to use this information to design appropriate interventions that facilitate the maintenance of independent and active engagement. Understanding neural health and cognitive functioning facilitates the development of biological, technological or psychological tools to maintain cognitive performance in older people.
- Ageing metabolism. Using tools from bioscience, psychology, sociology and engineering they seek a better understanding of how changes in metabolism are associated with the ageing process and how we can intervene to promote a healthy later life.
- Medicine and devices in Ageing. This cluster aims to focus on the use of medicines and devices in older people. Medicines and devices have considerable potential to significantly improve outcomes and quality of life in older people. However, conversely, older people are particularly susceptible to the adverse effects of medicine and devices.
- Ageing lives. The ageing process impacts our everyday lives in diverse ways. In this cluster, they examine how different individuals and communities are enabled or deterred from healthy ageing. They consider the delivery and impact of health and care policies, as well as attitudes and beliefs towards issues such as medicines management and keeping active.



Australian Institute for Population Ageing Research (AIPAR)

About:

The Australian Institute for Population Ageing Research (AIPAR) has been developed within UNSW as an umbrella for research initiatives focused on demographic transition. Directed by Professor John Piggott, it aims to be world class in its programs.

It is uniquely global in incorporating research teams covering health, labour, economic, financial and technology related issues by harnessing expertise from the fields of business, social sciences, engineering, medicine and the built environment - the institute is globally unique.

With more than a quarter of Australians estimated to reach over 65 years of age by 2050, the need to manage and resource an ageing population is of national significance. The Australian Institute for Population Ageing Research (AIPAR) recognises that business, government and the not-for-profit sector are key stakeholders in the success of the Institute. AIPAR works closely with industry leaders, including corporate and government partners.

In conjunction with these partners, AIPAR undertakes research and stimulates debate about the challenges raised by global population ageing, develops ideas for new products, formulates policy proposals and encourages partnerships with other research institutions in Australia and overseas.

Established in 2007, the Institute was officially launched in 2009 by the Federal Treasurer, Wayne Swan who said that, along with climate change, population ageing is the most significant social challenge of the 21st century.

City: Sydney

Country: Australia

Mission/Research Topics:

- Study demographic transition.
- Incorporate research teams globally, covering health, labour, economic, financial and technology related issues.
- Harness expertise from the fields of business, social sciences, engineering, medicine and the built environment.

AIPAR's mission is to bring together researchers and research centres from across UNSW focused on the issue of population ageing. It will deliver a highly innovative and creative multidisciplinary research program, mentor a new generation of early career researchers, and deliver broad-based and robust outcomes for the end-user.

Barshop Institute for Longevity and Aging Studies, Health Science Center, University of Texas

About:

Their mission is four-fold: To understand the basic biology of aging; to discover the therapies that will treat and cure the diseases of aging by fostering dynamic, collaborative research; to educate and train their future scientists and clinicians; to promote public awareness of age-related issues.

Researchers at the Barshop Institute sustain their scientific endeavors by successfully competing for funding at the national level. The Barshop Institute supports their research through a wide range of core services and clinical facilities by sponsoring cutting-edge programs that employ advanced technologies such as genomics and proteomics, transgenic animal models, and pathological assessments.

Faculty members of the Barshop Institute are dedicated to the training and mentoring of promising new physician-scientists and basic researchers in aging through a wide-range of educational opportunities.

Faculty and staff members involved in community outreach programs educate health professionals and the public on timely issues regarding healthy aging.

This vision of a world-class center for aging research first came into focus in 1991, when Dr. Edward J. Masoro founded the UT Health Science Center's Aging Research and Education Center through a leadership award granted to him by the National Institutes of Health.

In 2001, the Barshop Institute for Longevity and Aging Studies was born thanks to a generous donation from Mr. and Mrs. Sam Barshop, prominent San Antonio philanthropists. Dr. Musi and the faculty members at the Barshop Institute are extremely grateful to Mr. and Mrs. Barshop for their vision and steadfast support in helping to develop the Barshop Institute into an unparalleled center for studies of aging and age-related diseases.

Website: <http://www.barshop.uthscsa.edu/>

City: San Antonio / TX

Country: USA

Mission/Research Topics:

- Regenerative medicine and stem cells
- Comparative biology of ageing
- Ageing and cancer
- Ageing-related neurodegeneration



Brunel Institute for Ageing Studies (BIAS), Brunel University London

About:

BIAS was developed as a Collaborative Research Network (CRN) in 2007 as part of a university initiative to encourage cross-disciplinary research activity. BIAS is one of four University CRNs which seek to address a great number of complex challenges of the future.

The networks bring together teams of experts from across the university in order to:

- Foster interdisciplinary research of the highest quality
- Spearhead new responses to major research questions
- Increase the social, cultural and economic impact of research

Actively pursue partnerships and collaborations with universities, businesses and public sector organisations who share their goals.

The Collaborative Research Network in Ageing was formed in response to challenges raised by a growing population, including concern for how current health and social systems will cope with an increase in the number of people over the age of 60. BIAS aims to lead in the development and definition of strategic directions for research in the field of gerontology. It seeks to address the information needs of policy makers and the private sector, and to facilitate the transfer of new knowledge for the benefit of the whole population.

Website: <http://www.brunel.ac.uk/research/centres/bias>

City: London

Country: UK

Mission/Research Topics:

Caesar Center of Advanced European Studies and Research

About:

Caesar is a neuroscience research institute associated with the Max Planck Society. More on the research program can be found [here](#).

As of 2016, caesar hosts two research departments and many research groups. Like all Max Planck Institutes, the directors of caesar are scientific members of the Max Planck Society.

Caesar is part of a cluster for neurosciences in the Bonn-Cologne region and has multiple ties with the University of Bonn and University of Cologne. In collaboration with the Max Planck Florida Institute for Neuroscience, the University of Bonn and Florida Atlantic University, caesar runs the International Max Planck Research School (IMPRS) for Brain and Behavior. This first transatlantic IMPRS graduate program aims to train students in a large range of cutting-edge techniques which are currently instrumental in the quest for understanding brain circuit function in the whole animal and its role in defining behavior.

The institute is operated by a non-profit foundation under private law. The president of the Max Planck Society chairs the foundation board. Trustors are the Federal Republic of Germany and the Federal State of North Rhine-Westphalia. Caesar is evaluated by a scientific advisory board. The evaluation is effected according to the procedures and criteria of the Max Planck Society.

Website: <https://www.caesar.de/>

City: Bonn

Country: Germany

Mission/Research Topics:

- Photonic
- Molecular biology
- Microtechnology
- Kinetic, microscopic, and spectroscopic methods to study and control cellular activity
- Formerly known as Chemical Biology of Neurodegenerative Diseases

Center for Aging Research, The Dartmouth Institute for Health Policy & Clinical Practice

About:

The Dartmouth Institute is the health services research and education center at Dartmouth College.

They are made up of a diverse group of scholars, researchers, clinicians, students, and administrators with a wide array of interests and aims. But one thing unites us: They care deeply about health and health care. They know that good health is the foundation of a happy, productive life and a thriving community.

Working in partnership with individuals and organizations around the country, and throughout the world, they are striving to improve population health, reduce disparities, and create high-performing, sustainable health systems. Whether you are a potential student, research collaborator, health journalist, supporter, or someone who simply shares our drive to improve health and health care, they invite you to join them.

At The Dartmouth Institute, they conduct evidence-based research that helps us understand how health care is actually being practiced—what's working, what's not and why. The insights they gain help policy makers, systems leaders, and health care providers improve practices. They also partner with health organizations and systems to develop, test, and scale innovative new health interventions and models of health care delivery.

Website: <http://tdi.dartmouth.edu/>

City: Hanover /NH

Country: USA

Mission/Research Topics:

- Foster important research breakthroughs, particularly in the overlapping areas of biodemography and intergenerational studies, including the transmission of health and longevity.
- Offer first-rate administrative and computing services, including aiding access to the Center's innovative data collections
- Cultivate the next generation of Aging scholars with our cross-discipline postdoctoral and predoctoral Training Program.
- Build a meaningful and permanent joint program of research and training in conjunction with the Carolina Population Center at the University of North Carolina.



Center for Aging Research (IU-CAR), Indiana University

About:

IU School of Medicine is the largest medical school in the US and is annually ranked among the top medical schools in the nation by US News & World Report. The school offers high-quality medical education, access to leading medical research and rich campus life in nine Indiana cities, including rural and urban locations consistently recognized for livability.

IU School of Medicine will lead the transformation of healthcare through quality, innovation and education and make Indiana one of the nation's healthiest states.

IU School of Medicine is committed to maintaining an academic and clinical environment in which faculty, fellows, residents, students and staff can work together to further education and research and provide the highest level of patient care, whether in the classroom, laboratory or clinics. The school's goal is to train men and women to meet the highest standards of professionalism and work in an environment where effective, ethical and compassionate patient care is both expected and provided. To this end, the school recognizes that each member of the medical school community must be accepted as an individual and treated with respect and civility.

Diversity in background, outlook and interest is inherent in the practice of medicine, and appreciation and understanding of such diversity is an important aspect of health care and scientific training. As part of that training, the school strives to inculcate values of professional and collegial attitudes and behaviors in interactions among members of the school community and among school members and patients, their families and community members at-large, that accommodate difference, whether in age, gender, sexual orientation, disabilities, social, cultural, religious or ethnic values.

Website: <https://medicine.iu.edu/research/centers-institutes/aging-research/>

City: Indianapolis / IN

Country: USA

Mission/Research Topics:

It is the mission of Indiana University School of Medicine to advance health in the state of Indiana and beyond by promoting innovation and excellence in education, research and patient care.

Research topics is:

- Aging brain - research on late life depression, dementia, and delirium
- Gero-informatics - research on the use of information technology
- Health promotion - research on self-care, lifestyle, and prevention

Center for Healthy Aging Research, College of Public Health & Human Sciences, Oregon State University

About:

The Center for Healthy Aging Research (CHAR) is a community of Oregon State University scholars committed to investigate and unleash the potential of older adults. Established in 2005 as one of Oregon State University's strategic investment initiatives, CHAR has planned, coordinated and conducted collaborative, multidisciplinary studies designed to optimize the health and well-being of aging individuals and their families.

The center has attracted many of Oregon State's most innovative scientists. Researchers from multiple academic departments, units and centers collaborate in aging research. CHAR also promotes high-quality professional programs in health care, housing and social support for the aging population with a focus on interdisciplinary efforts.

The center is committed to expanding, translating and disseminating knowledge of the science of aging. There are numerous opportunities for graduate and undergraduate students to learn about aging and receive training in scientific procedures related to their disciplines. From collaborative research to research colloquia, students experience the science of aging in an interdisciplinary context. As a vital part of Oregon's land grant university, CHAR delivers the practical implications of research findings to citizens through Extension specialists and field faculty. The center allows for the sustaining coordination of efforts designed to go beyond individual research agendas and to enhance interdisciplinary research at Oregon State University, enhancing the lives of all Oregonians and worldwide societies.

Website: <http://health.oregonstate.edu/healthy-aging>

City: Corvallis / OR

Country: USA

Mission/Research Topics:

- Diet, genes, and aging
- Bone health, exercise, and function in aging
- Psychosocial factors and optimal aging
- Social and ethical issues in technologies for healthy aging



Center for Neural Development and Disease, University of Rochester Medical Center

About:

One of the nation's top academic medical centers, the University of Rochester Medical Center forms the centerpiece of the University's health research, teaching, patient care and community outreach missions. Over the last five years, the UR School of Medicine and Dentistry has received almost \$1.3 billion in total research funding. The School ranks in the top quartile of U.S. academic medical centers in research funding from the National Institutes of Health, attracting nearly three times the federal funding received by the medical schools in Albany, Syracuse and Buffalo combined.

The University of Rochester Medical Center is an integrated academic health center that comprises The School of Medicine and Dentistry, including its faculty practice (University of Rochester Medical Faculty Group); Strong Memorial Hospital; Highland Hospital; Golisano Children's Hospital; James P. Wilmot Cancer Center; School of Nursing; Eastman Dental Center; Visiting Nurse Service; Highlands at Pittsford; and Highlands at Brighton.

The University's health care delivery network—UR Medicine—is anchored by Strong Memorial Hospital - an 800-bed, University-owned teaching hospital which boasts specialty programs that consistently rank among the best in the nation according to US News & World Report. At URMC, our robust teaching and research programs transform the patient experience with fresh ideas and approaches steeped in disciplined science. Here, care is delivered by healthcare professionals who innovate, take intelligent risks, and care deeply about the lives they touch.

Research faculty have attracted external funding totaling approximately \$300 million during the last fiscal year

Website: <https://www.urmc.rochester.edu/neurotherapeutics-discovery.aspx>

City: Rochester / NY

Country: USA

Mission/Research Topics:

- Neural mechanisms in simple model organisms
- Protection against of neural insults (HIV infection, stroke, neurodegeneration)
- Mechanisms and treatment of neuromuscular and neoplastic disorders
- Recovery after traumatic brain injury

Center for Population Health and Aging (CPHA), Duke University

About:

CPHA is a highly synergistic interdisciplinary environment for developing faculty and students in Aging and fostering important research breakthroughs, particularly in the overlapping areas of biodemography (biological and biomedical demography of aging); and intergenerational studies, including the transmission of health and longevity.

It was established in 2007 to facilitate research and training at Duke in topics related to Population Health and Aging. With support from the NIA P30 program, CPHA offers first-rate administrative and computing services, including aiding access to the Center's innovative data collections, and our members are developing new methods of data collection, matching, and analysis that can increase the quality and lower the cost of information on aging populations.

They are also cultivating the next generation of Aging scholars by integrating our cross-discipline postdoctoral and predoctoral Training Program into our Research programs. To further expand opportunities for scholars at all levels, CPHA is building a meaningful and permanent joint program of research and training in conjunction with the Carolina Population Center at the University of North Carolina.

Because aging is a complex and multifaceted process, CPHA research is organized around three major Research Themes that encompass both traditional demographic approaches and interdisciplinary collaborations in a wide range of fields to explore all aspects of Aging.

These efforts have led to the creation of Data Collections that are used by researchers worldwide, as are the many new mathematical and statistical models and methods developed by members of CPHA's Biodemography of Aging Research Unit for analyzing and integrating biomedical data and population data on health and aging.

To keep CPHA members at the forefront of Aging research, they also offer a Pilot Award Program that takes risks on highly innovative projects. Often these seed grants support primary data collection efforts that frequently lead to NIH funding to pursue a larger project.

Website: <https://cpa.duke.edu/>

City: Durham / NC

Country: USA

Mission/Research Topics:



Center for Research and Education in Aging (CREA), University of California

About:

The Center for Research and Education on Aging (CREA) is a joint University of California, Berkeley and Lawrence Berkeley National Laboratory institution. Their mission is to investigate the basic processes that cause aging, with the goal of improving and extending human health span. CREA integrates the efforts of cell and molecular biologists, structural and computational biologists, geneticists, physiologists and public health professionals, who are the intellectual assets and resources of the University of California, Berkeley and the Lawrence Berkeley National Laboratory.

By combining the keen minds of University of California scientists with the steady hands and eager intellect of its student body, the new Center for Research and Education in Aging (CREA) will rise to the challenge. CREA is also associated with the Buck Institute for Age Research, a private nonprofit basic biomedical research institute located in Novato, California.

This unique partnership brings to the study of aging an approach that most medical schools cannot marshal because they focus on specific diseases and their treatments. Aging makes us vulnerable to disease and injury, but we do not know why. Research into the process responsible for aging remains seriously neglected. CREA is designed to create a research/education environment that fosters basic aging research and educates the next generations of scientists.

Support for CREA comes from competitive grants and the generosity of private donors. An endowment for CREA has been established by BioTime, Inc., a Berkeley, California-based biotechnology company, to better understand the mechanisms of aging and improve medical procedures focused on older patients.

By integrating the efforts of some of the world's best academic, government, and biotechnology industry laboratories, CREA will be a vital source for driving breakthroughs in improving health and youthfulness.

Website: <http://crea.berkeley.edu/>

City: Berkeley / CA

Country: USA

Mission/Research Topics:

- Systems biology
- Brain imaging
- Neuroendocrine changes in the hypothalamus
- Creation of bioinformatic systems to study the ageing process
- Hormonal changes and ageing



Center for Research on Aging, School of Medicine, University of Maryland

About:

The Department of Medicine was established in 1807, the same year the University of Maryland School of Medicine was chartered. In two centuries, only 14 men have held the esteemed position of Chair of the Department of Medicine.

The School of Medicine is one of the fastest growing, top-tier biomedical research enterprises in the world -- with 43 academic departments, centers, institutes, and programs; and a faculty of more than 3,000 physicians, scientists, and allied health professionals, including members of the National Academy of Medicine, and a distinguished recipient of the Albert E. Lasker Award in Medical Research.

The School of Medicine faculty, which ranks as the 8th-highest public medical school in research productivity, is an innovator in translational medicine with 600 active patents and 24 start-up companies. The School works locally, nationally, and globally, with research and treatment facilities in 36 countries around the world.

Much of the department's early teaching took place in Davidge Hall, the oldest medical facility in the country continuously used for medical education. The building's secret stairways and hidden exits enabled the students of the early 19th century to escape angry mobs who gathered outside to protest the use of cadavers as teaching tools. Still used for teaching today, the building is much the same as it was then, serving as a constant symbol to our students of the rich history of our department.

The Department of Medicine was the first in the country to offer an in-hospital residency program. From those first two residents in 1823, they have grown into a program that now trains hundreds of residents and fellows in a variety of traditional and emerging specialties. Some of the best doctors in the world also work as professors for the Department of Medicine, training the next generation of healers even as they continue to make historic strides in such fields as infectious diseases, rheumatology and cardiology.

Website: <http://www.medschool.umaryland.edu/medicine/Divisions/Division-of-Gerontology--Geriatric-Medicine/>

City: Baltimore / MD

Country: USA

Mission/Research Topics:

- Rehabilitation
- Obesity, Diabetes, and Nutrition
- Diseases e.g. cardiovascular disease, cancer, osteoporosis
- Health Services and Quality of Life
- Free Radicals, Oxidative Stress



Center for Translational Research in Aging and Longevity, College of Education & Human Development, Texas A&M University

About:

The Center for Translational Research in Aging and Longevity is engaged in ongoing translational research on nutrition, exercise, and metabolism in relation to aging and the common diseases of our aging population. These diseases include, cancer, heart failure, chronic obstructive pulmonary disease (COPD), obstructive sleep apnea (OSA), mild cognitive impairment/dementia, and autism spectrum disorder. Translation of knowledge from basic and applied sciences to care and clinical practice for older adults is the overall goal of their group.

They have the ability to investigate the role of metabolism in the pursuit of healthy aging and are developing knowledge on how changes in nutrition can affect outcomes in disease and aging. They focus is on investigating the role of certain macronutrients, the small molecules that make up the building blocks of the proteins, fats and sugars in metabolism.

Website: <http://ctral.org/>

City: College Station / TX

Country: USA

Mission/Research Topics:

- Photonic
- Molecular biology
- Microtechnology
- Kinetic, microscopic, and spectroscopic methods to study and control cellular activity
- Formerly known as Chemical Biology of Neurodegenerative Diseases
- Metabolic Research at Texas A&M University. Metabolic research is performed at the 23,000 sq ft Center for Translational Research in Aging and Longevity (CTRAL, www.ctral.org) in the Department of Health and Kinesiology (HLKN) at Texas A&M in College Station, TX and is a state-of-the-art translational biomedical research facility to conduct exercise, nutrition and metabolism related studies. The CTRAL Clinical Research Unit (CRU) accommodates basic and applied clinical research in humans suitable for single-day, as well as multi-day 24/7 studies. The CTRAL Human Research Support Core houses a metabolic kitchen, a clean room for clinical preparations, a laboratory to facilitate STAT blood/tissue processing, a secured data archive system, a secured/controlled sample storage/biobank and a clinical waste management system.

Center for Vital Longevity, University of Texas

About:

Founded in 2010 by Dr. Denise Park and currently led by Dr. Michael Rugg, the Center brings together an extraordinary group of research scientists who are using advanced brain-imaging technologies and research techniques in cognitive neuroscience to understand, maintain and improve the vitality of the aging mind. Cutting-edge research tools that allow them to see both pathology and compensation for that pathology in living brains afflicted with amyloid or tau deposits.

Center scientists are working to identify a neural signature in middle-aged adults that will help predict who will and will not age well cognitively and who might be at risk of Alzheimer's disease long before symptoms appear. They are elucidating how memories are formed and retrieved and how these processes change with age. And they are investigating the effects of different types of mental stimulation on memory and cognition in young and older adults. The goal of these wide-ranging studies is to develop ways to maintain and even enhance the cognitive health and vitality of current and future generations.

The Center's facilities, located in Dallas, Texas, include 30,000 square feet of research space including cognitive testing rooms and laboratories. In addition, investigators conduct functional and structural neuroimaging studies at facilities in the Advanced Imaging Research Center (AIRC), a collaborative enterprise between UT Dallas, UT Arlington, and UT Southwestern Medical Center, where the AIRC is located.

Scientists at the Center for Vital Longevity are engaged in a variety of research studies aimed at understanding memory, cognitive aging, and Alzheimer's disease. Their studies combine state-of-the-art structural and functional neuroimaging technologies with research techniques in cognitive neuroscience with the aim of elucidating the changes that occur in the brain over a lifetime and how these changes affect specific cognitive abilities and behaviors.

Results from the center's breadth of research will be instrumental in developing ways to slow cognitive aging and prevent or delay the onset of crippling disorders such as Alzheimer's Disease.

Website: <http://vitallongevity.utdallas.edu/research/>

City: Dallas / TX

Country: USA

Mission/Research Topics:

- Neuronal and cognitive aging across the entire adult lifespan
- Functional Neuroimaging of Memory
- Aging mind health
- Memory Training and Cognition

Center on Aging (COA), University of Iowa

About:

Established in 1990 by Kathleen Buckwalter from the College of Nursing, the University of Iowa Center on Aging (COA) quickly became recognized as a core campus resource facilitating interdisciplinary education, research, and service efforts dedicated to understanding the aging process and improving the health and well being of older people. Then, as part of the state of Iowa Public Health initiative in 1999, the Iowa Board of Regents called on the COA to advance the “health and independence of elderly Iowans.

In July, 2014, the Center underwent a restructuring and reorganization. They rededicated ourselves to that early vision of the Board of Regents; the issues, challenges, and opportunities of the aging population remain their priority.

Research at the University of Iowa has always been a strength, and the research goals of the Center on Aging capitalize on that strength. The Center on Aging works to assist investigators with expertise in aging. Their goal is to help advance the research of these successful investigators by providing resources and support.

The Aging Mind and Brain Initiative (AMBI). The AMBI is a group of investigators that chose to come to the University of Iowa specifically to work on issues related to aging. As faculty members of many different departments and college throughout the University of Iowa, their strength as individual investigators is multiplied by their collaborative efforts.

Website: <https://aging.uiowa.edu/>

City: Iowa City / IA

Country: USA

Mission/Research Topics:

- Interdisciplinary education and research.
- Service efforts dedicated to understanding the aging process
- Improving the health and wellbeing of older people.



Center on Aging, University of Utah

About:

The Center on Aging has a 40 year history at the University of Utah. Beginning with its origination in 1972, the Center on Aging has provided educational and research programs in gerontology at the University of Utah. It has sponsored undergraduate and graduate gerontology certificate programs as well as a Masters degree program in Gerontology. In addition to its strengths in gerontology education programs, it is recognized for a well-established research program focused on bereavement, coping with loss of a spouse and caregiving. In June 2004 its name was changed from the Gerontology Center to reflect a desire to become more comprehensive and expand the scope of its service and research activities.

A strategic planning process was completed in 2005 resulting in a change in its organizational structure to position the center to have a broad institutional impact and allow it to become more comprehensive and interdisciplinary. As a free standing center it is now optimally situated to serve its interdisciplinary mission and objectives. Dr. Supiano was appointed as its Executive Director upon his move to Utah in October 2005.

Website: <https://aging.utah.edu/>

City: Salt Lake City

Country: USA

Mission/Research Topics:

- Unite aging-related research, education, and clinical research, education, and clinical programs at the University
- Link its faculty and programs
- Help people lead longer and more fulfilling lives
- Support the development of multidisciplinary clinical and training programs

Center on Demography and Economics of Aging (CoA)

About:

The CoA fosters and supports research on aging through the work of their faculty associates and affiliates and through our training programs. They also work closely with other centers within the Academic Research Centers of NORC at the University of Chicago, such as the Population Research Center (PRC).

The Center on Demography and Economics of Aging (CoA), directed by Linda Waite, is one of eight research centers housed within the National Opinion Research Center (NORC) Academic Research Centers at the University of the Chicago. The CoA was established as an Exploratory Center in 1994 with a P-20 grant from the National Institute on Aging (NIA). Currently, the CoA (Grant P30 AG012857) is one of fourteen NIA funded Centers across the U.S. which investigate aspects of health and health care, the societal impact of population aging, and the economic and social circumstances of the elderly.

The Center supports a highly diverse faculty of 47 research affiliates in sociology, economics/business, the Pritzker School of Medicine, the School of Social Service Administration, and the Harris School of Public Policy. The research portfolios of faculty members draw upon expertise in medicine, epidemiology, and the biological and social sciences. The Center has nourished an environment for research in the demography and economics of aging by providing research support services, encouraging the development of new research projects and research foci, and facilitating collaborative research and teaching among scientists working in the field of aging research.

Website: <https://coa.norc.org>

City: Chicago

Country: USA

Mission/Research Topics:

- Social relationships, living arrangements, and family
- The social context of aging
- Health care research
- Biobehavioral pathways

Centre for Ageing and Mental Health (CAMH)

About:

The Centre for Ageing and Mental Health at Staffordshire University was established in 2005 to provide research, consultancy and education, promoting innovation in health and social care services for older people. The Centre brings together researchers, clinicians and other professionals from a variety of fields to facilitate research and education both nationally and internationally.

Website: <http://www.staffs.ac.uk/faculties/health/research/camh/>

City: Stafford

Country: UK

Mission/Research Topics:

- Darzi Dementia Care Pathway Development
- Core Competencies for Dementia Care
- Workforce Dementia Support Worker
- Older Prisoners and Mental Health
- The reorganisation of Mental Health Services
- The use of “blogs” in end of life care
- Safer Criminal Records Bureau recruitment decision making
- Memory Clinic Services
- Early Intervention in Dementia
- Suicide and Older People

The mission of the centre is to provide research, consultancy and education, promoting innovation in health and social care services for older people.

Centre for Ageing Research (C4AR), Faculty of Health & Medicine, Lancaster University

About:

The Center on Demography and Economics of Aging (CoA), directed by Linda Waite, is one of eight research centers housed within the National Opinion Research Center (NORC) Academic Research Centers at the University of the Chicago. The CoA was established as an Exploratory Center in 1994 with a P-20 grant from the National Institute on Aging (NIA). Currently, the CoA (Grant P30 AG012857) is one of fourteen NIA funded Centers across the U.S. which investigate aspects of health and health care, the societal impact of population aging, and the economic and social circumstances of the elderly.

The CoA aims to: (1) foster an exciting, dynamic intellectual environment for research in the demography and economics of aging; (2) provide research support services; (3) encourage the development of new research projects and research foci in the demography and economics of aging; and (4) support and facilitate the inclusion and analysis of biomeasures of health in new and ongoing projects at the University of Chicago and elsewhere. It provides support for research projects in four key areas: (1) social relationships, living arrangements, and family; (2) the social context of aging; (3) health care research; and (4) biobehavioral pathways.

The Center operates using three cores, which facilitate and support an active program of research and training: (A) the Administration and Research Support Core, directed by Linda Waite, which provides general administrative support to Center associates; (B) the Program Development Core, directed by Kathleen Cagney, consisting of a program of small-scale and pilot projects and support for new faculty development in aging; and (C) the External Innovative Network Core, directed by Stacy Tessler Lindau, with a focus on biomarkers in population-based aging research. The Center supports a highly diverse faculty of 47 research affiliates in sociology, economics/business, the Pritzker School of Medicine, the School of Social Service Administration, and the Harris School of Public Policy. The research portfolios of faculty members draw upon expertise in medicine, epidemiology, and the biological and social sciences. The Center has nourished an environment for research in the demography and economics of aging by providing research support services, encouraging the development of new research projects and research foci, and facilitating collaborative research and teaching among scientists working in the field of aging research.

Website: <http://www.lancaster.ac.uk/fhm/research/centre-for-ageing-research/>

City: Lancashire

Country: UK

Mission/Research Topics:

- Neuro-generative diseases (Alzheimer's Disease, Parkinson's Disease)
- Molecular changes associated with the ageing process
- Design and development of new technologies to support and enhance the health and wellbeing of older people and their care-givers



THE UNIVERSITY *of* EDINBURGH
Centre for Cognitive Ageing
and Cognitive Epidemiology

Centre for Cognitive Ageing and Cognitive Epidemiology (CCACE), University of Edinburgh

About:

The Centre for Cognitive Ageing and Cognitive Epidemiology at the University of Edinburgh (CCACE) focuses on the reciprocal influences of cognition and health across the human life course. The Centre is funded by the Medical Research Council (MRC) and the Biotechnology and Biological Sciences Research Council (BBSRC). The Centre's mission is to elucidate the routes to the vulnerable ageing brain, and thus provide information to prevent or ameliorate cognitive disability and its negative consequences for health and wellbeing; to determine the mechanisms by which lower cognitive ability through the lifecourse renders the body vulnerable to ill health and impaired wellbeing; and to provide an outstanding environment for interdisciplinary research training in cognitive ageing and cognitive epidemiology.

Scientific Objectives:

1. Maintain, develop and exploit the unique long-term human cohort studies assembled in Scotland as new national resources to explore lifecourse influences on cognitive ageing and pathways whereby cognitive ability in early life affects later health—cognitive epidemiology.
2. Advance knowledge by research into biological, neurological, genetic, social, economic, and psychological aspects of cognitive ageing in humans and lifecourse mammalian model systems.
3. Develop and evaluate psychological, genetic, other biological, and brain imaging methods to assess, monitor, and prevent or ameliorate decline in mental functions with a view to providing a rational basis for translating this into potential interventions.
4. Build upon MSc courses unique to our Centre, exploiting the university's resources in innovative methods such as e-learning, to train an essential and novel kind of researcher capable of accessing the best technologies to maximise opportunities for working in multidisciplinary teams in cognitive ageing and cognitive epidemiology across clinical and basic science.

Website: <http://www.ccace.ed.ac.uk>

City: Edinburgh

Country: UK

Mission/Research Topics:

- Cognitive epidemiology
- Cognitive ageing
- Mechanisms of cognitive ageing
- Human and animal brain imaging
- Genetics and statistics of brain ageing



Centre for Education and Research on Ageing (CERA), Concord Repatriation General Hospital, University of Sydney

About:

The Centre for Education and Research on Ageing (CERA) is Australia's premier academic organization for the study of ageing and age-related diseases. Through innovative and multidisciplinary research, CERA aims to expand and share knowledge of human ageing, so that the health and quality of life of older people can be improved.

Their research is achieved through a broad program that incorporates clinical, laboratory, epidemiological and health service evaluation approaches. Allied to this are education programs, at basic and advanced levels of practice, in geriatric medicine and other education programs for aged care workers from a range of professional settings.

CERA is a joint facility of the University of Sydney, Sydney Medical School and Concord Repatriation General Hospital, a teaching hospital within Sydney Local Health Network. CERA is located at Concord Repatriation General Hospital, in the inner west of Sydney, Australia.

Vision:

- To be the national leader in, and internationally recognized for, ageing research
- To undertake and promote multidisciplinary research that will lead to improvement in the quality of life of older people
- To provide quality education in ageing from the undergraduate to professional levels
- To contribute to health services for older people through evidence-based practices and application of research advances
- To promote ageing in the broader community and provide advocacy for the needs of older people.

Website: <http://sydney.edu.au/medicine/research/units/cera/index.php>

City: Concord

Country: Australia

Mission/Research Topics:

CERA's aim is to expand and share knowledge of human ageing through collaborative, multidisciplinary research and education with the purposes of:

- Promoting healthy ageing
- Minimising the impact of disease and disability on older people
- Improving the quality of life of our older population



Centre for Geriatric Medicine and Gerontology (ZGGF), Medical School, University of Freiburg

About:

The Centre for Geriatric Medicine and Gerontology (ZGGF) comprises consultants from internal medicine, neurology, and psychiatry to provide expert outpatient service for patients with age-associated disorders. The ZGGF is a centre of excellence for the diagnosis and treatment of memory disorders. The Memory Clinic as part of the ZGGF provides diagnostic services for more than 400 new patients per annum from Germany and abroad. The high-level diagnostic facilities include magnetic resonance imaging (MRI), positron emission tomography (PET) with several tracers including amyloid imaging for Alzheimer's disease, cerebrospinal fluid (CSF) analysis, and extensive psychological assessment conducted by neuropsychologists. The centre serves as a clinical core centre of the German Competence Network Dementia (KND) and takes part in the research within the German Competence Network Degenerative Dementias (KNDD). Several investigator-initiated or industry-funded randomized controlled trials have been successfully performed. The Out-patient Geriatric Clinic and Geriatric Rehabilitation center of the ZGGF, provides diagnostic services for more than 300 new patients per year from Freiburg and Südbaden. ZGGF's staff consists of board-certified physicians who specialize in treating the specific problems related to older adults. The staff also includes:

- A clinical nurse specialist in geriatrics
- A social worker dedicated to helping people cope with the problems that sometimes confront older adults
- A physiotherapy-department, responsible for estimating the risk of falls and treat the ambulatory and balance
- An occupational therapy-department, in authority to assess and treat the decreases in activities of daily living
- A neuropsychology department to account for cognitive testings
- A logopedics-department who investigates impairment in speech or swallowing.

Website: <https://www.uniklinik-freiburg.de/zggf.html>

City: Freiburg

Country: Germany

Mission/Research Topics:

- Image analysis of the disordered brain
- Molecular analysis of Alzheimer's Disease
- Mild cognitive impairment (MCI)
- Posterior cortical atrophy
- Speech processing problems related to Alzheimer's Disease
- Stress-induced functional concentration and memory impairment
- Vascular dementias, subcortical arteriosclerotic encephalopathy (SAE, Binswanger's disease)
- Evaluation of dementia therapies



Swansea University
Prifysgol Abertawe

Centre for Innovative Ageing (CIA), Swansea University

About:

The Centre for Innovative Ageing (CIA) is a centre of excellence for research and training in the study of ageing and provides the infrastructure, focus, leadership and support for ageing research and scholarship across the University's Academic Colleges. Its underlying philosophy is a positive holistic view of ageing with older people at its core.

The standing and reputation of the Centre's research activity is highly acclaimed. It has achieved international recognition for its work in social and environmental gerontology as a collaborating centre of excellence and a global leader in research by the International Association of Gerontology and Geriatrics (IAGG). Members of the Centre work with other centres in the UK, Europe, Africa, the USA, Canada, South Asia, Australia and New Zealand as collaborators, consultants or advisors for international projects.

The Centre's Director, Professor Vanessa Burholt, represents the UK on the Management Board of EU COST Action Reducing Old-Age Social Exclusion: Collaborations in Research and Policy (ROSEnet). She is also an elected member of the Ministerial Advisory Forum on Ageing, a Senior Research Leader for Health and Care Research Wales, and a Fellow of the Academy of Social Sciences as well as being an invited member of the International Network on Rural Ageing.

The Centre is the only one of its kind in Wales, identifying gaps in ageing research and generating new interdisciplinary knowledge in the field of ageing. The CIA has a philosophy of translating research into practice, achieved through active interaction with policy makers, managers and practitioners. The Centre fosters collaboration between business and academia, with the intention of multiplying the benefits of public and private investment in knowledge. As a result, health and social care policy makers and employers have a robust evidence base to inform care delivery and policy making while Welsh industry and business is well-placed to develop products and services that meet the changing requirements and expectations of the ageing population.

Website: <http://www.swansea.ac.uk/humanandhealthsciences/research/centres-and-groups/centre-for-innovative-ageing/>

City: Swansea

Country: UKл имммммлмлблльльлььь

Mission/Research Topics:

- Civic and social engagement and participation of older people (e.g.: intergenerational relationships, social and support networks)
- Environments of ageing (e.g.: natural and built physical space, functional design)
- Care provision for older people (e.g.: social care, health care, residential care)
- Chronic conditions, falls and prevention in old age (e.g.: falls, stroke, cancer, dementia)

Centre for Integrated Research into Musculoskeletal Ageing (CIMA), University of Liverpool

About:

The MRC-Arthritis Research UK Centre for Integrated research into Musculoskeletal Ageing (CIMA), is a collaboration between researchers and clinicians at the Universities of Liverpool, Sheffield and Newcastle. Established in 2012, CIMA aims to understand why our bone, joints and muscles function less well as we age, and why older people develop clinical diseases of these musculoskeletal tissues, such as arthritis or osteoporosis.

The Centre brings together complementary and specialist expertise in skeletal muscle, bone, cartilage and tendon biology, ageing research, nutrition and exercise interventions, and clinical excellence in musculoskeletal disorders. Through an innovative, comprehensive and sustainable research programme, and through training the next generation of researchers, CIMA is developing an integrative approach to:

- Understand the processes and effects of ageing in tissues of the musculoskeletal system
- Understand how ageing contributes to diseases of the musculoskeletal system
- Understand how these processes may be ameliorated or prevented to help preserve the mobility and independence of older people.

Website: <http://www.cimauk.org>

City: Liverpool

Country: UK

Mission/Research Topics:

- Skeletal muscle, bone, cartilage and tendon biology
- Ageing research
- Nutrition and exercise interventions
- Clinical excellence in musculoskeletal disorders



Centre for Integrated Systems Biology of Ageing and Nutrition (CISBAN), Newcastle University

About:

CISBAN is a multidisciplinary research centre within Newcastle University. It is particularly closely associated with the Institute for Ageing and Health, with which it shares buildings on the Campus for Ageing and Vitality. Its staff members come mainly from the Faculty of Medical Sciences, the School of Computing Science and the School of Mathematics and Statistics.

Their research aims to develop an understanding of the biology of ageing and ageing-related diseases using a systems approach. The way nutrients are used by the body and what nutrients are consumed have been implicated as major influences on longevity.

However, there are multiple causes and mechanisms of ageing. Each mechanism may make only a modest contribution to the whole. By taking a systems-wide approach, CISBAN seeks to capture the whole picture of what drives the ageing process, not simply a limited view of the contributing factors.

In addition to traditional and high throughput laboratory techniques, CISBAN uses a number of modelling and software systems. Very large amounts of data are generated through a range of experimental studies and analysed in silico. This process provides a highly dynamic cycle of interaction between theoretical and experimental activity.

Website: <http://www.ncl.ac.uk/cisban/>

City: Newcastle upon Tyne

Country: UK

Mission/Research Topics:

- Cell senescence
- Dietary restriction
- Modelling
- Software development (e.g.: Saint, SyMBA)
- Other projects (e.g.: Oxidative stress and telomerase in stem cells)

Centre for Research on Ageing (CRA)

About:

Population ageing brings new challenges for individuals and policymakers alike. Understanding ageing over the life course is at the heart of such challenges.

The Centre for Research on Ageing examines key issues in ageing across the life course. Their members of staff are engaged in high-quality postgraduate teaching in gerontology and cutting-edge research in the field. They offer postgraduate programmes, face-to-face or by distance learning, which equip students with substantive knowledge of policy-relevant issues in gerontology and with quantitative and qualitative research methods training.

Through high quality research, the Centre contributes to a better understanding of the experience of ageing amongst different groups and societies, which will in turn place us in a better strategic position to improve the quality of life of older people.

In addition to research, the Centre contributes to capacity building of future academics and professionals by teaching different postgraduate programmes in Gerontology.

Website: <https://www.southampton.ac.uk/ageing/index.page?>

City: Southampton

Country: UK

Mission/Research Topics:

- Ageing in developing and transitional societies
- Diversity in later life and the ageing of ethnic minority communities
- Economic and social resources in old age
- Inequalities in later life, particularly with respect to health and access to health and social care services
- Quality of life
- Retirement prospects of future generations of elders
- Social networks and informal support
- Developing a range of tools for policy analysis



Centre for Research on Ageing (CRA), Curtin University of Technology

About:

Curtin University is Western Australia's largest and most culturally diverse university with Australia's third largest international student population.

Since their inception, they have taken an innovative approach towards teaching and research.

Their campuses are vibrant, welcoming spaces that value diversity and difference, emphasise industry connections and practical learning, have a strong commitment to social justice, and foster a forward-thinking culture for our students, staff and the wider community.

In line with developments in Perth, they are beginning to transform our main Bentley Campus into a cultural hub where members of the community can live, study, work and socialise together as part of the Greater Curtin project.

As they move into their 50 years of innovation, our renewed focus will be on delivering excellence and strengthening our position as a leading global university, according to our vision, mission and values.

Website: <http://www.curtin.edu.au/>

City: Perth

Country: Australia

Mission/Research Topics:

With a breadth of research activity, the Faculty of Health Sciences works across disciplines and beyond the University, connecting the brightest minds to find innovative solutions to the world's greatest health challenges. They offer pioneering taught courses, which draw upon our leading research and strong links to global industry. Research students study with experienced researchers in innovative facilities acquiring the knowledge and skills to help them advance health and wellbeing around the world, focusing on:

- ageing
- chronic disease
- Indigenous health
- mental health
- population health



Centre for Research on Ageing and Gender (CRAG), University Surrey

About:

The Centre for Research on Ageing and Gender (CRAG) brings together social scientific expertise to conduct policy relevant research on gender and ageing and their intersection with other forms of social division, identity and (in)equality.

CRAG focuses specifically on the intersections between gender and ageing, in addition to other aspects of social division, identity and inequality, such as sexuality, social class and ethnicity.

The principal aim is to advance understanding of how gender influences the experience of ageing, and how ageing influences gender roles and relationships.

Website: <https://www.surrey.ac.uk/sociology/research/researchcentres/crag/>

City: Guildford

Country: UK

Mission/Research Topics:

- Undertaking research on gender and ageing. CRAG members have expertise in a range of research methodologies, including qualitative research, evaluation research, and secondary analysis of large national data sets
- Collaborating on interdisciplinary projects with psychologists, nutritionists, economists, biomedical scientists, and health specialists
- Taking an holistic approach, which emphasises the interconnections between health, income and material resources, and social roles and relationships, and how these vary according to gender difference and diversity
- Adopting a life course approach, which links socio-economic position, roles and relationships in later life to the earlier biographies and intersectionality, which addresses multiple axes of inequality, power and privilege
- Encouraging scientific exchange through honorary visiting research positions for international scholars. In Spring 2015 CRAG was delighted to host Professor Mark Hughes, Southern Cross University, Australia
- Providing opportunities for doctoral research students in a stimulating research environment
- Collaborating with user groups, activists and advocates concerned with the well-being of all older people
- Organising and participating in conferences, seminars and workshops which disseminate research findings to the academic community, professional groups and wider publics
- Developing a media profile for exchange and dissemination of information and research findings.

Centre for Research on Personhood in Dementia (CRPD), University of British Columbia

About:

The Center for Research on Personhood in Dementia (CRPD) is a BC-based virtual research centre located at UBC (Vancouver campus). Led by co-directors Deborah O'Connor (Social Work) and Alison Phinney (Nursing), the CRPD serves as a hub for research generation, training, and knowledge application around issues of personhood and citizenship in dementia. The CRPD includes researchers located at UBC and other universities in British Columbia.

They conduct theoretical and applied research aimed at understanding and supporting personhood and citizenship in dementia. Their work is situated in three intersecting domains: lived experiences, interactional environments, and socio-cultural contexts.

The CRPD provides an interdisciplinary home for students, post-doctoral researchers, and visiting scholars who are conducting research on topics related to personhood and citizenship in dementia. They are a vibrant scholarly community with connections across BC, Canada, and internationally.

They also work with an active network of community partners to help translate and mobilize new knowledge into real life settings.

Website: <http://crpd.ubc.ca>

City: Vancouver

Country: Canada

Mission/Research Topics:

- Serve as a virtual research centre located at UBC (Vancouver campus).
- Research generation, training, and knowledge application around issues of personhood and citizenship in dementia.

The mission of the CRPD is to initiate, facilitate, and integrate trans-disciplinary research that increases understanding and implementation of personhood approaches to dementia and dementia care. It aims to increase understanding of personhood in dementia and develop interventions for supporting personhood.



Centre Hospitalier Affilié Universitaire de Québec (CHA)

About:

In a world where health needs are constantly and rapidly increasing, and where scientific and technological innovation has the lion's share of the collective wealth of modern societies, the CHU Research Center (CRCHU) in Quebec City 'is already distinguished by the quality and originality of its different teams of researchers, both in the fundamental sector and translational and clinical. This Strategic Research Development Plan is guided by an already proven philosophy that excellence and performance are the key to success in the scientific community and constitute the benchmark against which researchers are evaluated by their peers.

Inspired by the people who animate its daily life, the CHU of Québec-Université Laval (CHU) strives for excellence and offers humanistic care and services to the public. Engaged and innovative, his teams concentrate their efforts on the benefit of the person. They shape the care of today and tomorrow, train the next generation, contribute to cutting-edge research, and evaluate health technologies and practices. With recognized vision and knowledge, the UHC contributes to numerous projects in the fields of health, science, knowledge sharing and economic and social development.

Affiliated with Laval University, the University Hospital of Quebec-Laval University (CHU) provides general, specialized and highly specialized health care and services, integrating teaching, clinical and basic research and technology evaluation. modes of intervention in health.

The CHU offers a full range of general, specialized and subspecialized care. Their teams are recognized here and elsewhere for the quality of their expertise . They have developed very specific knowledge in several specialties. Moreover, in Quebec, some care is only provided in our hospitals!

They also offer a full range of high quality general and specialized care to the people of eastern Quebec and parts of northeastern New Brunswick, a pool of nearly 2 million people.

Website: <https://www.chudequebec.ca/accueil.aspx>

City: Quebec

Country: Canada

Mission/Research Topics:

- Endocrinology and nephrology
- Infectious and Immune Diseases
- Regenerative medicine
- Neuroscience
- Oncology
- Reproduction, health of mother and child
- Public health and best practices in health



Centre on Aging, University of Manitoba

About:

The Centre on Aging, University of Manitoba, was established on July 1, 1982, with a mandate to serve as a focal point for the conduct of research on aging. The Centre has developed a national and international reputation for excellence in research.

The experiences of aging individuals and the dynamics of an aging society are investigated using rigorous scientific standards. Community representatives contribute to projects, and the Centre distributes its findings to administrators, policy makers, practitioners, and seniors to assist them in making decisions.

The Centre on Aging believes listening to older adults and those who work with them ensures more appropriate research. Dialogue is encouraged through:

- An annual spring symposium which brings together researchers and community representatives;
- Informal seminars on current research and future directions;
- Public lectures by internationally renowned researchers;
- Newsletter published three times each year.

The Centre with its partners generates, supports, and promotes interdisciplinary research on aging at Manitoba universities to improve the lives of older adults, their family, caregivers, and communities.

Website: <http://umanitoba.ca/centres/aging/>

City: Winnipeg

Country: Canada

Mission/Research Topics:

- Chronic health problems (dementia, arthritis, depression)
- Consequences of early brain damage to normal aging,
- Changes in memory function with advancing age
- Neuronal plasticity
- Memory encoding/impairments after stroke, trauma, and seizure activity



Centre on Aging, University of Victoria

About:

The Institute on Aging and Lifelong Health at the University of Victoria is a multidisciplinary research centre. The institute takes a leading role in developing and refining research skills and mentoring the next generation of researchers and community-minded citizens.

Much of their work is rooted in a broad orientation to health that includes attention to the social, psychological, environmental, and cultural contexts in which people live, as well as the institutions responsible for the health of aging populations. They recognize that aging is a life-long process that requires attention to developmental changes that occur across the life span.

Their overall goals are to contribute to improving the health and quality of life of an increasingly diverse population of older adults, and to assist their families, health care providers, and the government in meeting the challenges and potentials of an aging society.

In order to achieve these broad goals, the institute has as its specific objectives:

- To add to the body of knowledge on aging and health by stimulating and conducting rigorous basic and applied research.
- To provide a focus and direction to the University's and region's research activities in the area of aging and health.
- To facilitate communication and collaboration among scholars, practitioners, government officials, and older adults.
- To contribute to the training of skilled research personnel which includes promoting and facilitating post-doctoral, graduate and undergraduate training within the area of aging and health.
- To mobilize knowledge on aging and health with scientists, practitioners, and the public.
- To promote the translation of research findings into interventions, services, products, and policies relevant to older adults.

Website: <https://www.uvic.ca/research/centres/aging/>

City: Victoria

Country: Canada

Mission/Research Topics:

- Needs assessments
- Social surveys
- Experimental research
- Program evaluations
- Development of clinical diagnostic tools
- Social policy research



Clinical Ageing Research Unit (CARU)

About:

The Clinical Ageing Research Unit (CARU) is a £5.5 million clinical research facility funded by the Wellcome Trust and Wolfson Foundation.

They opened in September 2008 and are located on the University's Campus for Ageing and Vitality.

Their primary aim is to facilitate the development of early assessment and intervention strategies targeted at age-associated degenerative conditions.

They provide a high quality, patient-friendly environment for phase II-IV clinical studies in the older patient. They employ experienced research nurses with specific training in commonly used, relevant assessment instruments.

Clinical trials are supported by a high quality research infrastructure, embedded within the joint Acute Trust-University research system, with a study coordinator and data manager located on site.

The Newcastle upon Tyne Hospitals NHS Foundation Trust and Newcastle University were jointly awarded the NIHR Newcastle Biomedical Research Centre (BRC) status by the National Institute for Health Research. The NIHR Newcastle Biomedical Research Centre aims to improve the lives of the growing number of older people through translational research into ageing syndromes and long-term conditions. Research themes comprise dementia, liver disease, musculoskeletal Disease, neuromuscular disease, skin and oral disease.

And syndromes common to the older population, such as stroke and cardiovascular ageing, visual failure and diabetes.

CARU has a key role in delivering studies falling within these research themes.

Website: <http://www.ncl.ac.uk/caru/>

City: Newcastle upon Tyne

Country: UK

Mission/Research Topics:

- Dementia and neurodegenerative diseases
- Stroke and cardiovascular ageing
- Musculoskeletal disease
- Visual failure
- Type 2 Diabetes
- Liver disease
- Mitochondrial disease



Cognitive Neurology and Alzheimer's Disease Center (CNADC)

About:

With decades of experience studying dementia and Alzheimer's disease, the CNADC has a wealth of knowledge at its fingertips. The director of the Center, Dr. M.-Marsel Mesulam, is a world-renowned researcher in Alzheimer's disease, behavioral variant frontotemporal dementia (bvFTD), and primary progressive aphasia (PPA), a condition that Dr. Mesulam identified in the 1980's. The Northwestern Alzheimer's Disease Center is one of the prestigious 30 research institutions in the Alzheimer's Disease Centers Program of the National Institute on Aging, one of the National Institutes of Health. Many of the affiliated researchers have national and world-wide recognition.

The Human Cognitive Brain Mapping Program, genetics studies, and experimental treatments are all part of the cutting-edge research conducted at the CNADC. Using powerful imaging technology, researchers are able to visualize areas of the brain that are activated during mental exercises in real time. Researchers study healthy and abnormal human brains to discover how and where neurodegenerative disease affects the brain and why there are different types of symptoms in different people. Research is ongoing at the Center and its affiliated laboratories on the chemistry of memory, the treatment and prevention of Alzheimer's disease, the causes and treatments of PPA and bvFTD, and the nature of cognitive and behavioral changes in Alzheimer's disease.

Breakthroughs are made every day. And researchers use their knowledge to benefit the patients they see in the CNADC.

Website: <http://www.brain.northwestern.edu/>

City: Guildford

Country: UK

Mission/Research Topics:

- To provide the highest quality clinical care, i.e., diagnostic evaluation and Treatment
- To conduct research on how the brain coordinates mental functions
- To transfer the benefits of research to afflicted patients
- To train researchers and clinicians to work in this field

European Research Institute for the Biology of Ageing (ERIBA)

About:

The mission of the ERIBA is to better understand what causes ageing. The studies are focused on the mechanisms that result in loss of cells with age and the decline in the function of old cells and tissues. ERIBA aims to develop novel strategies to prevent or combat age-related disease and to provide evidence-based recommendations for healthy ageing.

Healthy ageing is a lifelong process that starts even before conception, with parents who pass on their genes and with them the risks and opportunities for a healthy life course, or the occurrence of illness later in life. Lifestyle, food patterns and environmental factors influence the development of health. However, new knowledge is required about the influence of these factors, and how they interact with one another

Research into ageing calls for a multidisciplinary approach. In Groningen Healthy Ageing is seen as a joint research challenge for the UMCG, the University of Groningen, the Hanze University of Applied Sciences, and various regional, national and international partners.

The multidisciplinary research extends from fundamental biological and (pre)clinical research through to applied research into social-societal effects of disease and health. In this way results can be translated rapidly into adequate and/or improved prevention and treatment methods. This in turn leads to new products in the field of medication and medical technology for making diagnoses, and for example for the development of new nutritional products – another aspect in which this research is of vital importance.

Website: <https://www.umcg.nl/NL/Zorg/paginas/Default.aspx>

City: Groningen

Country: Netherlands

Mission/Research Topics:

- Investigate how extra years of life can be spent in good health.
- Primary prevention (preventing disease).
- Secondary prevention (timely discovery, treatment and slowing down progression).
- Tertiary prevention (preventing recurrence and aggravation, focusing on job retention).
- Work with knowledge institutions at home and abroad, regional governments and companies to develop knowledge and translate that knowledge into concrete products and services for the patient, consumer and healthcare professionals.



Geriatrics Center & Institute of Gerontology

About:

The University of Michigan Geriatrics Center seeks to increase the span of healthy, active life for older adults through interdisciplinary clinical care, education, research and community service.

Created by the Regents of the University of Michigan in 1987, the Geriatrics Center was established to enhance geriatrics-related research, education and patient care by improving interaction and cooperation among faculty representing various Schools and Institutes at the University. Today, nearly 300 affiliated faculty are principal investigators on grants totaling approximately \$79 million annually. These faculty represent various units in the University including the Medical School, School of Nursing, School of Social Work, Institute of Gerontology, School of Public Health, Dental School, Institute for Social Research, Mental Health Research Institute, Kresge Hearing Research Institute, College of Engineering, and College of Literature, Science and the Arts. The primary goals of the University of Michigan Geriatrics Center are:

- To strengthen the U-M environment for training of future academic leaders in geriatrics.
- To stimulate multidisciplinary research of important healthcare problems of older patients.
- To enhance the productivity of currently funded research.
- To provide exemplary multidisciplinary patient care for older adults.
- To provide outstanding training opportunities for trainees and healthcare professionals from a variety of disciplines involved in caring for the elderly population.
- To establish and maintain a highly-visible, nationally-recognized facility dedicated to geriatrics.

Website: <http://www.med.umich.edu/geriatrics/index.htm>

City: Ann Arbor

Country: USA

Mission/Research Topics:

- Biogerontology
- Biomechanics and mobility
- Ageing populations (understand risk factors and outcomes of diseases)
- Clinical and translational research (age-related diseases)



Gerontology Research Institute at the University of Massachusetts Boston

About:

The Gerontology Institute carries out basic and applied social and economic research on aging and engages in public education on aging policy issues, with an emphasis in four areas: income security, health (including long-term care), productive aging (including transportation), and basic social and demographic research on aging. The Institute's work on income security includes active participation in the national debate on Social Security reform. The Institute's research in this area includes minority participation in private pensions, reverse-equity mortgages, and income adequacy for elders. The Institute's Pension Action Center offers counseling for citizens on their pension rights.

Long-Term Care Projects include analysis of options to strengthen long-term care financing, the development of improved measurements of the quality of long-term care, and technical assistance to the Massachusetts Legislature and the Executive Office of Elder Affairs on long-term care policy and program development. The Institute's work on productive aging focuses attention on employment, volunteer and educational opportunities for older adults, and transportation issues for older adults. Work in these areas has included a demonstration concerned with age discrimination in employment, a demonstration to assist councils on aging to develop stronger volunteer programs, and promoting safe mobility and alternatives for elders who have stopped driving.

The Institute's work on social demography includes research on the changing age composition in Massachusetts and in the U.S., educational attainments of Massachusetts elders, characteristics of householders and homeowners ages 65 and older, among other topics.

The Institute provides editorial leadership for the *Journal of Aging & Social Policy*, a peer-reviewed, quarterly journal published by Taylor-Francis. The Journal is distinguished by its emphasis on policy and its attention to international developments. Support for Educational Programs in Gerontology. The Institute has a close relationship with the University's undergraduate and graduate Gerontology programs. Senior Institute personnel teach in the PhD program in Gerontology. The Institute provides apprenticeship opportunities for graduate students. Gerontology faculty members are active in conducting research in the Institute.

Website: <https://www.umb.edu/gerontologyinstitute>

City: Boston / MA

Country: USA

Mission/Research Topics:

- Basic and applied social and economic research on aging
- Engaging in public education on aging policy issues: income security, health (including long-term care), productive aging (including transportation), and basic social and demographic research on aging.

- .Analysis of options to strengthen long-term care financing,
- Development of improved measurements of the quality of long-term care
- Technical assistance to the Massachusetts Legislature and the Executive Office of Elder Affairs on long-term care policy and program development.
- Research on the changing age composition in Massachusetts and in the U.S., educational attainments of Massachusetts elders, characteristics of householders and homeowners ages 65 and older, among other topics.
- Editorial leadership for the Journal of Aging & Social Policy, a peer-reviewed, quarterly journal published by Taylor-Francis.
- Support for Educational Programs in Gerontology.



Institut für Gerontologische Forschung IGFe.v.

About:

The Institute for Gerontological Research (IGF) is an independent and interdisciplinary research institute located in Berlin and Munich. For more than 30 years they team has been researching aspects of the “ageing society”. Their aim is to identify and promote approaches, methods and frameworks that enable people to continue to lead independent lives as they grow older.

They believe that the successful development and realisation of sustainable concepts requires a cooperative process involving all relevant stakeholders. The same also applies to tackling the challenges presented by resurgent old-age poverty, ageing migrant communities, the rise in dementia, and soaring demand for qualified carers and nursing staff.

They develop empirically grounded research and concepts using a broad spectrum of sociological methods, and participate in successful research alliances and networks. Their findings and recommendations address the full spectrum of opportunities for change, from governance and management through healthcare and social work procedure to design, architecture and planning. In our research projects they also make a point of collaborating with partners working in the field: social services, vocational training, housing associations, senior citizens’ groups, and political figures at the municipal, state and national level.

Website: <http://www.brain.northwestern.edu/>

City: Munich

Country: Germany

Mission/Research Topics:

- Research aspects of the “ageing society”.
- Identify and promote approaches, methods and frameworks that enable people to continue to lead independent lives as they grow older.
- Develop empirically grounded research and concepts using a broad spectrum of sociological methods, and participate in successful research alliances and networks.



Institute for Aging Research (IFAR)

About:

For more than 50 years, the Institute for Aging Research has initiated hundreds of studies that challenge health-related assumptions commonly associated with aging. Their findings have a direct and positive impact on the standard of care and quality of life for seniors around the world.

IFAR is one of the largest gerontological research facilities in a clinical setting in the U.S. They are a research affiliate of Harvard Medical School. For more than 50 years, the Institute for Aging Research has initiated hundreds of studies that challenge health-related assumptions commonly associated with aging. Their findings have a direct and positive impact on the standard of care and quality of life for seniors around the world.

Their decades-long relationship with Harvard Medical School has attracted expert teaching staff and top-notch research fellows. Their research portfolio ranks us in the top 15% of institutions funded by the National Institutes of Health, and ranks number one among hospital-based geriatric research facilities.

Because IFAR operates within the Hebrew SeniorLife system, their researchers work in close proximity to more than 3,000 seniors each day, many of whom volunteer to participate in our studies. Their needs, struggles, and challenges drive their work. And their results are used to develop services, programs, and best practices in the treatment of common conditions associated with aging. As a part of Hebrew SeniorLife, their goal is to further their shared mission to redefine the aging experience.

Website: <https://www.instituteforagingresearch.org/>

City: Boston

Country: USA / MA

Mission/Research Topics:

- Cognitive impairment
- Mental health and ageing
- Musculoskeletal disorders
- Palliative care
- Quality of care and health care standards
- Syncope and falls



Institute for Biomedical Aging Research (IBA)

About:

Worldwide, the segment of the population aged 60 or over is increasing rapidly. In the year 2006, in Austria, more than one-fifth of our population has been over 60 years of age. In 2030 this segment will amount to one third. These senior citizens will place an enormous personal and socioeconomic burden on their families and on our society unless we act quickly to develop better prevention and treatment programs for many of the physical and mental ailments associated with old age. The goal of biomedical research on aging is to help people grow old with dignity and in good health.

The IBA has the following specific research goals:

- (a) to study aging processes at the molecular, cellular, and organismic level in order better to understand age-related changes and impairments;
- (b) to define measures to postpone/prevent age-related problems to improve the quality of life in old age.

Website: <https://www.uibk.ac.at/iba/>

City: Innsbruck

Country: Austria

Mission/Research Topics:

- Endocrinology
- Immunology
- Molecular and Cell Biology
- Stem Cell Ageing
- Adipose Tissue and Oncoproteins



Institute for Biostatistics and Informatics in Medicine and Ageing Research (IBIMA)

About:

The core interest of the Bioinformatics department is the investigation of intervention effects using gene expression (next-generation sequencing) data. For example, they predicted which drugs may be repositioned to inhibit fibrosis after glaucoma surgery (BMBF validation research project), and validated the top-ranking compound in vitro. Moreover, they wish to discover the healthspan pathways triggered by interventions proposed to enable healthy ageing (EU Horizon 2020 project). Also, they work with Leukemia, Parkinson, and Alzheimer data, among others. The Bioinformatics department is composed of the following groups: Medical Bioinformatics (Moeller, Fuellen), focussed on intervention effects, Junior Research Group Integrative OMICS Analyses (Hamed), and next-generation sequencing data (Barrantes).

Website: <http://139.30.163.40/IBIMA/index.php>

City: Rostock

Country: Germany

Mission/Research Topics:

The tasks of the Department of Biostatistics of Institute for Biostatistics and Informatics in Medicine and Ageing Research of the University Clinical Centre Rostock are

1. Applications and developments of statistical methodology for all areas of fundamental and patient-orientated medical research.
2. Findings of medical researcher has worked out with suitable correct methodology. Therefore, Biostatistics contributes by accurate planning, purposeful collection and preparation of required data as well as adequate statistical analysis to a appropriate interpretation of obtained research results.
3. Fundamental for their work is the interdisciplinary. Therefore, they put value to a pronounced competency of our staff members to cooperation with medical research partners, to a fair and friendly conduct of talks and to simple presentation of complex mathematical themes.
4. The Department Biostatistics supports the process of transfer of existing knowledge into medical practice. Thereby, it performs a valuable contribution to the continuous improvement of patient care in the university hospital and beyond.
5. By imparting of knowledge of methodical principles of Biostatistics and Clinical Epidemiology they create an important qualification for a professional activity for the purpose of evidence-based medicine (EbM)



Institute for Memory Impairments and Neurological Disorders (UCI MIND)

About:

The UC Irvine Institute for Memory Impairments and Neurological Disorders (UCI MIND) is internationally recognized for its research accomplishments in age-related brain disorders. UCI MIND is the University's center for aging and dementia research, with our faculty seeking to understand the causes leading to neurological disorders such as Alzheimer's disease, frontotemporal dementia, Lewy body dementia, and Huntington's disease.

For more than 30 years, UCI MIND has been at the forefront of Alzheimer's disease research. It is home to one of 30 Alzheimer's Disease Research Centers (ADRC) funded by the National Institute on Aging (NIA), a branch of the National Institutes of Health (NIH), and one of 10 California Alzheimer's Disease Centers funded by the California Department of Public Health.

Website: <https://www.mind.uci.edu/>

City: Irvine

Country: USA / CA

Mission/Research Topics:

The mission of UCI MIND is to enhance the quality of life for older adults by researching genetic, clinical, and lifestyle factors that promote successful brain aging. Toward this end, UCI MIND engages in a variety of activities, some of which are listed below:

- Conduct longitudinal research that follows individuals with and without cognitive impairment to evaluate their clinical, neuropsychological, and biological changes over time
- Perform clinical trials of promising investigational medicines, lifestyle interventions, and other treatment modalities
- Share biological resources such as human brain tissue, serum, DNA, and cerebrospinal fluid from well-characterized clinical subjects with researchers worldwide
- Deliver community outreach with the goal of public education and increased participation in research
- Train and educate the next generation of clinicians and scientists in the fields of brain aging and neurodegeneration
- Stimulate research through individual and collaborative grants and philanthropy
- Sponsor seminars and meetings to promote scholarship and information exchange
- Partner with community-based organizations serving individuals with Alzheimer's disease and related dementias to provide scientific and clinical expertise.



UNIVERSITY OF
LIVERPOOL
INSTITUTE OF AGEING
AND
CHRONIC DISEASE

Institute of Ageing and Chronic Disease Research

About:

The Institute of Ageing and Chronic Disease is using world-class research to improve the quality of life of millions of people on an international scale.

They want to understand the mechanisms of ageing – from the cellular to the muscular skeletal – to find the ways to delay its onset, and to mitigate its effects. Understanding how and why aging happens leads to an understanding of how to intervene.

They are finding new insights into musculoskeletal biology and eye and vision sciences, as well as examining functions like movement, metabolism and sight.

They do that in the laboratory and at the bedside, looking at the impact of lifestyle and patient behaviour, as well bioscience and epidemiology, finding the risk factors which can cause disease, and then finding better prevention measures and methods of care.

They research translates into real benefits for people and animals of all ages - from unique approaches to prevent muscle wasting in intensive care patients, a retina scan to detect cerebral malaria in African children, and exercise and nutritional regimes that can prevent obesity and morbidity. They are also making strides in veterinary medicine, and investigating rare diseases like alkaptonuria, which causes severe early onset osteoarthritis.

And they don't work alone. They have newly-created facilities in the University of Liverpool's William Henry Duncan Building, work closely with other exceptional university teams such as the School of Veterinary Science and its Leahurst animal hospital, and their global partners include the Wellcome Trust, UK Research Councils, NIH (USA), Unilever and GSK.

Website: <https://www.liverpool.ac.uk/ageing-and-chronic-disease/>

City: Liverpool

Country: UK

Mission/Research Topics:

- Musculoskeletal biology
- Eye and vision sciences
- Obesity and endocrinology

Institute of Aging Research, HZNU

杭州师范大学医学院衰老研究所

Institute of Ageing Research

About:

The Institute of Aging Research (IAR) is a professional scientific research institution established with the strong support of Hangzhou Municipal Government. The institute boasts a team of experienced experts and researchers headed by renowned scholars with international and national fame, and it is equipped with internationally most advanced facilities for medical research, including platforms of animal models, cell sorting, microimaging, molecular pathology, proteomics, molecular engineering and trace metal analysis systems.

The institute aims to conduct omnibearing, systematic and fundamental research on aging mechanism by combining basic investigation with clinical practice, integrating studies of major aging related disease conditions and those of key molecules and their interface and networks, and piecing together the defects at the levels of molecules, cells, tissues, organs and the individuals.

IAR has 4 major research programs, namely Stem cells and tumor cell senescence, Immune senescence and diseases, Brain and cardiovascular aging and Metabolic and endocrine aging.

In 2011, the institute's project of "Telomere Binding Proteins and Diseases" has been listed by China's National Science Foundation as a "Major National Project of Scientific Research" and has therefore been granted exceptionally strong support from the Foundation.

Website: <http://ageing.hznu.edu.cn/en/>

City: Hangzhou

Country: China

Mission/Research Topics:

- Tumor cells and stem cell ageing
- Immune system ageing and related diseases
- Metabolism and endocrine system of ageing and related diseases
- Heart ageing
- Brain ageing



Institute of Aging (IA)

About:

At the Canadian Institutes of Health Research (CIHR), they know that research has the power to change lives. As Canada's health research investment agency, they collaborate with partners and researchers to support the discoveries and innovations that improve our health and strengthen our health care system.

CIHR established the Institute of Aging (IA) «to support research, to promote healthy aging and to address causes, prevention, screening, diagnosis, treatment, support systems, and palliation for a wide range of conditions associated with aging.» Unlike many other CIHR Institutes, which are focused on particular diseases, the Institute of Aging's mandate is the aging person in an aging society, and the effects of different diseases and conditions on aging. Its goal is to improve the quality of life and health of older Canadians by understanding and addressing or preventing the consequences of a wide range of factors associated with aging.

Website: <http://www.cihr-irsc.gc.ca/e/8671.html>

City: Vancouver

Country: Canada

Mission/Research Topics:

- Healthy and successful ageing
- Biological mechanisms of ageing
- Cognitive impairment in ageing
- Ageing and maintenance of functional autonomy
- Health services and policy relating to older people

Their mission is to create new scientific knowledge and to enable its translation into improved health, more effective health services and products, and a strengthened Canadian health care system.



Institute of Development, Aging and Cancer (IDAC)

About:

IDAC is Japan's Center for Smart-Aging Research. They are a unique institute that is part of Tohoku University and they are affiliated with other national universities that also promote aging sciences.

It is a well-known fact that Japan's population is aging faster than any other country in the world, and the need for aging research is becoming greater each day. Currently, the elderly make up more than 25% of the population, and in addition to the decline in birthrate, there is also a decline in the working population. In order to maintain a healthy society, it is clear that urgent measures must be taken to support an aging population.

The purpose of their institute is to shed light on the basic mechanisms of aging and to control age-related diseases, such as dementia and intractable cancers. To achieve their goals, they promote research under 3 main groups: (1) molecular mechanisms of aging and the self defense system, (2) molecular mechanism of carcinogenesis and cancer growth, and (3) brain maturation and aging. IDAC is one of the very few research institutes in the world that manages comprehensive multi-hierarchical medical research to focus on the complex mechanism of aging, by methods ranging from studying genes and cells using molecular biology techniques to directly studying people.

Specifically, their ultimate goal is to realize "smart-aging", which refers to the development and maturation of individual abilities as one gets older, where everyone can welcome old age with liveliness and continue to be an active part of society.

To make this possible, their goal is to provide medical support and policies as well as becoming a leading research center by showing the world that they can effectively manage a super-aging society. As time passes, it is critical for individuals and the population as a whole to remain healthy and continue to have the vitality for growth and wisdom.

Website: <http://www.idac.tohoku.ac.jp/site/>

City: Aoba-ku Sendai

Country: Japan

Mission/Research Topics:

- Molecular mechanisms of ageing and self defense system
- Molecular mechanism of carcinogenesis and cancer growth
- Brain maturation and ageing



Institute of Gerontology

About:

The Institute of Gerontology leads cutting edge research and education in the classroom and community. They advance their healthy aging mission through collaborative strengths in mental health and cognition, technology innovation, and positive lifestyle promotion.

Institute coordinates and promotes multi- and inter-disciplinary ageing research, training, and outreach services at the University of Georgia. Keystone research project was The Georgia Centenarian Study (1998 to 2007) of longevity and survival of the oldest old.

Website: <http://iog.publlichealth.uga.edu/>

City: Athens

Country: USA / GA

Mission/Research Topics:

- Functional assessment
- Caregiving
- Long term care
- End of life care
- Genetics of ageing
- Normal to pathological memory changes
- Vision
- Nutrition
- Exercise science
- Pharmacy
- Adult education
- Social work
- Marketing and housing

Institute of Gerontology (IOG)

About:

Research is focused on research in social and behavioral sciences and cognitive neuroscience to issues of ageing and urban health.

Established in 1965, the Institute of Gerontology has long been a leader in outreach to both professionals and members of the community. As a nationally recognized authority on aging issues, their mission is to conduct research and translate that knowledge into meaningful programming for seniors, their caregivers and the professional community serving them. Their team of faculty, students, staff, and countless volunteers all share a passion and dedication to the promotion of successful aging.

Their volunteer core, the Elder Advisors to Research joined with the IOG faculty in 1999 to create a conference organized by seniors for seniors. What began as an experiment has evolved into a much-anticipated annual event with a sell-out crowd of 500 seniors. The conference, anchored by a well-respected keynote speaker and featuring several break-out workshops, promotes creative expression, social connection and information on ways to positively embrace all facets of aging.

Website: [_https://iog.wayne.edu/](https://iog.wayne.edu/)

City: Detroit

Country: USA / MI

Mission/Research Topics:

- Financial Gerontology. Research looking into financial decision-making; assessing community needs; and the impacts of governmental health programs.
- Lifespan cognitive neuroscience. Explores aging and brain health through a variety of psychological pathways.
- Health disparities and disability. Research focused on understanding and eradicating health disadvantages among minority populations.
- Mental health and physical well-being. Research directed at improving the quality of life for people with physical and cognitive impairments.

Institute of Healthy Ageing (IHA)

About:

The Institute of Healthy Ageing is an interdisciplinary centre of excellence for research on the biology of ageing and ageing-related diseases. The biological process of ageing contributes to increased risk of a wide range of diseases, from neurodegenerative diseases (e.g. Alzheimer's and Parkinson's disease) and cancer to cardiovascular disease (causing heart attack and stroke) and age-related macular degeneration (causing blindness in the elderly).

Their primary purpose is to bring together researchers working on the basic biology of ageing (biogerontology) with those working to understand the causes of ageing-related disease. By merging the two, they aim to develop a new translational biogerontology using the ageing process as a point of intervention to protect against the diseases of old age. Their goal is to improve the health and quality of life for older people.

The work of the Institute of Healthy Ageing is pursuing these ends by:

- Conducting world class research on the biology of ageing and ageing-related disease
- Increasing capacity in research on the biology of ageing by training new researchers and nurturing the work of younger principal investigators
- Teaching about the biology of ageing at undergraduate and postgraduate levels

The problem of ageing is not just an issue of biology, but also of social science, economics and the built environment. A secondary aim of the Institute is to nurture broader collaborations across UCL between researchers working on different aspects of ageing.

They aim, through their combined activities, to transform healthcare technology and the social conditions of the elderly to create a future society in which the lives of older people are healthy, meaningful and happy.

Website: <http://www.ucl.ac.uk/iha/>

City: London

Country: UK

Mission/Research Topics:

- Genes and mechanisms that determine the rate of ageing
- Insulin/IGF-like signalling pathway, dietary restriction and resistance to stress
- Sex differences in the biology of ageing
- Evolutionary conservation of mechanisms of ageing
- Bioethical implications of ageing research



Institute of Psychogerontology (IPG)

About:

The Institute for Psychogerontology of the Friedrich-Alexander-University Erlangen-Nürnberg is the only university institution of its kind in Bavaria and is one of the few university institutes within the German-speaking world in the field of socio-behavioral science and behavioral science, which also teaches in the context of a master's program (M. .Sc., Univ) and basic scientific research in gerontology.

The Institute of Psychogerontology owes its existence to the founding director Prof. Dr. Oswald, who initiated the institute in 1986 and chaired it for more than 20 years. The importance of the Institute is also defined by the comprehensive focus on the field of medical, behavioral and social gerontology at the University of Erlangen-Nürnberg, which is the only university in Germany housing two independent institutions in Gerontology: the Institute of Biomedicine of Aging (formerly Institute of Gerontology, Chair: Prof. Dr. med. C. Sieber) and the Institute of Psychogerontology (Chair: Prof. Dr. F.R. Lang).

Since its foundation the Institute for Psychogerontology also experienced a positive development of its research work which received a great amount of attention in the scientific community and as well as in the media.

One focus during the first two decades of the Institute were mainly longitudinal studies on topics of developing dementia in later life.

Website: <http://www.geronto.fau.de/>

City: Erlangen

Country: Germany

Mission/Research Topics:

- Age and ageing in society and science
- Dementia
- Intellectual ageing and lifelong learning
- Mobility in old age
- Caregiving, demands and developmental gains
- Social relationships and personality across the lifespan



Institute on Aging, UC San Diego

About:

The Center for Healthy Aging and the Sam and Rose Stein Institute for Research on Aging at the University of California, Health Sciences, is dedicated to the development and application of the latest advances in biomedical and behavioral science knowledge to issues of successful, healthy aging and the prevention and reduction of the burden of disability and disease in late life.

Website: <http://ageing.hznu.edu.cn/en/>

City: San Francisco

Country: USA / CA

Mission/Research Topics:

- Support research to promote healthy aging and to address causes, prevention, screening, diagnosis, treatment, support systems, and palliation for a wide range of conditions associated with aging.
- Study the effects of different diseases and conditions on aging person in an aging society.
- Improve the quality of life and health of older Canadians by understanding and addressing or preventing the consequences of a wide range of factors associated with aging.

Institute on Aging, University of Florida

About:

The overarching goals of the Institute are:

- To conduct dynamic interdisciplinary research that spans public health, social, health services, behavioral, clinical and basic sciences. Our research focuses on mechanisms, etiology, prevention and rehabilitation of cognitive and physical disability. We strive to accelerate translation, dissemination and implementation of research findings into clinical practice and healthcare policy.
- To educate undergraduate, graduate, professional and post-graduate trainees in an integrated model of care and research.
- To provide state-of-the-art comprehensive patient and community-centered care for older adults that is grounded in respect and understanding and fosters compassion and effective communication with patients, populations and families.

They are committed to the highest level of excellence and integrity in every aspect of our business. They promote and support diversity in opinion, gender, race and ethnicity, promote collaboration and teamwork. They are focused on and committed to the healthcare needs of their patients. They show pride, enthusiasm and dedication in research, education and health care, which are aiming to improve the health, independence and quality of life of older adults. They are concerned about the environment and promote the use of recyclable products and renewable energy.

Website: <http://aging.ufl.edu/>

City: Gainesville

Country: USA / FL

Mission/Research Topics:

The mission of the Institute on Aging is to improve the health, independence and quality of life of older adults by means of interdisciplinary teams in the areas of research, education and health care.



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Institute on Aging (IOA)

About:

The IOA promotes collaborative applied and basic gerontological research, develops innovative programs of interdisciplinary gerontological education and practice, and provides state-of-the-art information to policy makers, program managers, service providers, clinicians, and the general public.

Website:

City: Chapel Hill

Country: USA

Mission/Research Topics:



Institute on Aging, University of Pennsylvania

About:

The University of Pennsylvania's Institute on Aging was created in 1979 to improve the health of the elderly by increasing clinical and basic research as well as educational programs focusing on normal aging and age-related diseases across the entire Penn campus.

Housed within Penn's Perelman School of Medicine, the Institute on Aging is deeply committed to forging new paths in basic science and clinical care for the benefit of older adults.

Under the directorship of John Q. Trojanowski, MD, PhD, nearly 300 Institute on Aging fellows, representing faculty from 12 schools at Penn and aging experts outside of Penn, are focused on age-related areas of interest, including healthy aging, diseases of aging, public policy, law, nursing and economics.

In 2012, Penn ranked second highest for total research funding received from the National Institute of Health's National Institute on Aging (NIA). Current research projects are wide-ranging, investigating neurodegenerative diseases, frailty, and longevity, among other areas.

The Institute on Aging hosts several events per year on the latest research in aging, many of which are open to the public.

The IOA works collaboratively together with:

- Center for Neurodegenerative Disease Research (CNDR)
- Penn Alzheimer's Disease Center and Penn Memory Center
- Penn Udall Center for Parkinson's Disease Research along with researchers within collaborators in other divisions and departments:
- Parkinson's Disease and Movement Disorders Center
- Frontotemporal Degeneration (FTD) Center
- Division of Geriatric Medicine
- Ralston-Penn Clinic for Osteoporosis and Related Bone Disorders
- The Population Aging Research Center (PARC) in Sociology and Demography

In addition, partners include the NewCourtland Center for Transitions and Health, an interdisciplinary group, located in the School of Nursing, that is working to better understand transitions in health where nurses play a pivotal role in health promotion, prevention of health problems, and the effective care of people of all ages and at all stages of health.

Website: <http://www.med.upenn.edu/aging/>

City: Philadelphia

Country: USA / PA

Mission/Research Topics:



Institute on Aging, University of Virginia

About:

The Institute on Aging (IoA) is a pan-university initiative sponsored by the Office of the Vice President for Research. It promotes basic and applied research on topics related to aging, serves as an information and education resource about aging issues, and seeks to influence the development and implementation of public policy that addresses the needs of older adults. To that end, the Institute offers seed-money grants to stimulate new research and educational programs, and sponsors lectures and conferences for scholars, service providers, and the community at large.

The primary mission of the University of Virginia Institute on Aging is to understand and enhance the aging process throughout the human lifespan. It acts as a catalyst and coordinator for interdisciplinary research, education, and service programs within the University.

In the area of research, the primary goal is to promote basic and applied research on topics related to aging.

In the area of education, the primary goals are to serve as an information resource about aging issues, and to contribute to providing comprehensive education in gerontology and innovative practice in geriatrics.

In the area of service, the primary goal is to influence the development and implementation of public policy on aging, and assist in the development, implementation, and evaluation of programs and policies addressing the needs of older adults.

Website: <http://www.virginia.edu/aginginstitute/>

City: Charlottesville

Country: USA / VA

Mission/Research Topics:

- Cognitive ageing, memory loss, dementia
- Diabetes and ageing
- Brain imaging
- Life-span development
- Cell biological basis of Alzheimer's disease
- Neurodegenerative diseases
- Elderly care and caregivers
- Eldercare robotics
- Elder abuse



Institute on Aging, University of Wisconsin - Madison

About:

The University of Wisconsin Institute on Aging was founded in 1973 as the Faye McBeath Institute on Aging and Adult Life. Between 1973 and 1980, the Institute developed programs in community service as well as graduate training and research under the leadership of Professor Martin Loeb of the School of Social Work. Administratively, the Institute was located within the Graduate School of the Madison campus.

Professor David Featherman of the Department of Sociology was named Director in 1980. Under his leadership there was steady growth in the research mission of the Institute. Four multidisciplinary research clusters were conceived: biology of aging, clinical geriatrics, life-span development, and social gerontology. The first two represented basic and applied research in the biomedical sciences, while the latter two reflected social behavioral perspectives on basic and applied research.

Dr. Carol Ryff, Professor of Psychology, served as Interim Director of the Institute from 1995 to 1998, and in 1998, was named Director. One Associate Director, representing the biomedical sciences, was also appointed, a position first held by Dr. Joanne Robbins and then Dr. Neil Binkley, both from Department of Medicine. Fluorescing microscope in a Biomolecular Chemistry lab Under their leadership, the Institute on Aging continues to pursue its research, educational, and outreach objectives. Particularly prominent on the research side is the MIDUS (Midlife in the U.S.) national study of Americans, funded by a grant from the National Institute on Aging and directed by Dr. Ryff. MIDUS constitutes the leading edge of multidisciplinary aging research and involves many scientists from around the U.S., including many investigators from different departments on the UW-Madison campus. Its major objective is to understand the interplay of biological, psychological, and social factors as people age from early adulthood through later life. Also prominent is the Biology of Aging Training Grant (funded by the National Institute on Aging), first headed by Dr. Richard Weindruch and subsequently by Dr. Sanjay Asthana (Head of the Geriatrics Section in the Department of Medicine and Director of the Geriatrics Research, Education, and Clinical Center). This initiative has been a key mechanism for bringing talented new investigators to the field of aging.

Website: <http://aging.wisc.edu/>

City: Madison

Country: USA / WI

Mission/Research Topics:

- Biology of aging
- Clinical geriatrics
- Life-span development
- Social gerontology

Jean Mayer USDA Human Nutrition Research Center on Aging (HNRCA)

About:

The Jean Mayer USDA Human Nutrition Research Center on Aging (HNRCA) at Tufts University, located in Boston, MA, is one of six human nutrition research centers supported by the United States Department of Agriculture (USDA). They are a bench to bedside research center that generates translational scientific results. They are run by a cooperative agreement between the USDA and Tufts University and their center is one of the largest research centers in the world studying nutrition and its relationship to healthy aging and physical activity.

The HNRCA is the Tufts University resource for training graduate students and postdoctoral fellows in human nutrition and aging research. Many HNRCA scientists are faculty at the Friedman School of Nutrition Science and Policy, School of Medicine, and/or Sackler School of Graduate Biomedical Sciences at Tufts University and/or have appointments at Tufts Medical Center. HNRCA scientists have ongoing collaborations across the four Tufts University campuses and serve on university leadership positions.

Website: <http://hnrca.tufts.edu/>

City: Boston

Country: USA / MA

Mission/Research Topics:

- Antioxidants
- Body composition
- Bone metabolism
- Carotenoids and health
- Cardiovascular nutrition
- Dietary assessment
- Energy metabolism
- Epidemiology
- Lipid metabolism
- Nutrition
- Neuroscience
- Obesity metabolism
- Vitamin metabolism

Jena Centre for Systems Biology of Ageing (JenAge)

About:

The JenAge Centre is a multidisciplinary research centre located in Jena / Germany. It was launched in October 2009 as a result of the successful grant application of 10 Jena-based research groups to the German Federal Ministry's of Education and Research call 'Systems Biology for Health in Old Age - Gerontosys'.

The JenAge Centre aims to identify conserved transcriptional and metabolic networks activated by mild stress and to investigate their role in preserving functional integrity in old age. The generally favorable biological response of an organism to low dose exposure of stressors, called hormesis, has been repeatedly suggested to be the biological mechanism of life-extending treatments.

In addition to the use of human cell cultures JenAge adopts a multi-species approach including worms (*C. elegans*), fishes (*N. furzeri*, *D. rerio*) and mice (*M. musculus*) to characterise network modulations by environmental, pharmacological and life-style perturbations. In an iterative process, experimental data are communicated to the analysis and modelling groups to generate testable hypotheses which will in turn be validated by genetic and other manipulations in model organisms. This systems biology strategy is supplemented by automatic text mining and database development.

The general JenAge objective is to gain new insights into the complex interplay of maintenance and repair networks that govern the lifelong accumulation of damage and finally lead to age-related diseases and death. Overall, the knowledge acquired within this initiative will contribute to sustained health in an ageing society.

Website: <http://www.jenage.de/>

City: Jena

Country: Germany

Mission/Research Topics:

- Identify conserved transcriptional and metabolic networks activated by mild stress and to investigate their role in preserving functional integrity in old age.
- Adopt a multi-species approach including worms (*C. elegans*), fishes (*N. furzeri*, *D. rerio*) and mice (*M. musculus*) to characterise network modulations by environmental, pharmacological and life-style perturbations.
- Gain new insights into the complex interplay of maintenance and repair networks that govern the lifelong accumulation of damage and finally lead to age-related diseases and death.



Johns Hopkins Center on Aging and Health

About:

The Center on Aging and Health (COAH) was established in 1998 as a center of excellence for aging research at the Johns Hopkins Medical Institutions. It is sponsored by the Johns Hopkins Schools of Medicine and Public Health. Other core partners include the School of Nursing and the departments of Medicine, Epidemiology, Biostatistics, Health Policy and Management, and Mental Health.

COAH is home to an interdisciplinary group of research faculty from all three schools, as well as the Claude D. Pepper Older Americans Independence Center (Pepper Center), Edward R. Roybal Center for Translational Research, and other key research programs. COAH also houses training programs in the Epidemiology and Biostatistics of Aging, and in Clinical and Population-based Research on Aging, as well as the Bloomberg School of Public Health's Certificate in Gerontology program. COAH is a focal point for interdisciplinary aging research and training at the Johns Hopkins Medical Institutions. COAH aims to establish a critical mass of cutting-edge, multidisciplinary science designed to optimize health in aging and to provide the necessary expertise and infrastructure for the sustainable conduct of such research and its translation into improving the health of older adults. COAH also serves as a training ground for the next generation of researchers on aging.

The goal of COAH is to promote the intellectual interactions that are essential to creative approaches to solving the important health and health care problems for an aging population. The core research in COAH involves population-based and clinical research on the causes and consequences of diseases, frailty and disability in older adults, characterizing groups at risk of adverse health outcomes, identifying causes and developing methods for screening and prevention. Research at COAH covers the full spectrum of aging research, from the biology of aging to health policy, facilitating the translation of research discoveries into applications that will directly improve the health of older adults. COAH provides key infrastructure, such as the Biostatistics Core, that supports clinical- and population-based research and education, with expertise in research with older adults.

COAH's core research facility is located on the Johns Hopkins East Baltimore campus at 2024 East Monument Street, Suite 2-700, focusing on older adults' health from a population-based perspective. The clinical care and geriatric health services research-focused site is located on the Johns Hopkins Bayview Medical Campus on the 7th floor of the Mason F. Lord building.

Website: <http://coah.jhu.edu/>

City: Baltimore

Country: USA / MD

Mission/Research Topics:

- Training programs in the Epidemiology and Biostatistics of Aging, and in Clinical and Population-based Research on Aging

- Interdisciplinary aging research and training at the Johns Hopkins Medical Institutions.
- Establish a critical mass of cutting-edge, multidisciplinary science designed to optimize health in aging
- Provide the necessary expertise and infrastructure for the sustainable conduct of such research and its translation into improving the health of older adults.
- Promote the intellectual interactions that are essential to creative approaches to solving the important health and health care problems for an aging population.
- Population-based and clinical research on the causes and consequences of diseases, frailty and disability in older adults, characterizing groups at risk of adverse health outcomes, identifying causes and developing methods for screening and prevention.
- From the biology of aging to health policy, facilitate the translation of research discoveries into applications that will directly improve the health of older adults.



KEEPS - The KRONOS Early Estrogen Prevention Study at KRONOS Longevity Research Institute (KLRI)

About:

The Kronos Longevity Research Institute (KLRI), founded in Jan., 2000, is a Phoenix-based not-for-profit institution conducting clinical translational research aimed at early detection and prevention of age-related diseases and slowing or reversing the aging process.

KLRI also provides education in biomedical gerontology for regional and national professional and lay communities. KLRI is privately funded, mainly by the Aurora Foundation. S. Mitchell Harman, M.D., Ph.D., founding Director and President is board-certified in internal medicine and endocrinology and a former section chief and acting clinical director of the National Institute on Aging, NIH, with an international reputation as a leader in the field of hormones and aging. Other professional staff are: a Clinical Director, Director of Exercise Sciences, Senior Scientist, and Clinical Study Coordinator. KLRI's facility includes a clinical study center (CSC), an exercise study center (ESC), and a molecular laboratory.

Current research focuses on relationships among aging, endocrine function, oxidative stress, and sarcopenia. All research projects are pre-reviewed by KLRI's Scientific Advisory Board, a distinguished group of biomedical investigators. KLRI sponsors a series of bimonthly seminars in Phoenix and an annual two-day national symposium, with talks on biomedical gerontology presented by world-renowned experts. The institute has plans to double faculty, staff, and research activities by 2006, which will require new sources of funding. The aging demography of the first half of the century will make KLRI's research increasingly relevant to the population of the U.S. and the world.

Website:

City: Phoenix

Country: USA / AZ

Mission/Research Topics:

- Conduct clinical translational research aimed at early detection and prevention of age-related diseases and slowing or reversing the aging process.
- Provide education in biomedical gerontology for regional and national professional and lay communities.
- Research relationships among aging, endocrine function, oxidative stress, and sarcopenia



Leibniz Institute on Aging - Fritz Lipmann Institute (FLI)

About:

The Leibniz Institute on Aging – Fritz Lipmann Institute (FLI) is the first national research institute in Germany focusing on biomedical research on human aging, a multifactorial process controlled by environmental and genetic factors.

The legal status of the FLI is that of a registered association (e.V.), registered in 1992 as Institute for Molecular Biology (IMB). In accordance to the new research orientation, the institute was renamed to Leibniz Institute for Age Research – Fritz Lipmann Institute (FLI) in 2005.

The FLI is a member of the Leibniz Association (Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz e.V.). Due to the importance of Leibniz Institutes for the country as a whole, they are funded jointly by the Federation and the Länder.

Demographic Change is one of the great challenges of our time but also offers great opportunities. If a better understanding of the aging process contributes to the extension of healthy lifespan, the burdens on society and the individual can be minimized and our society's future development enriched by the wealth of knowledge and experience that is the gift of the older generation.

The mission of the Leibniz Institute on Aging (FLI) is to identify the basic mechanisms that lead to dysfunctions and disease during aging.

The society's increasingly older population is one of the major social challenges of the present. Their mission is to expand the healthy lifespan – i.e. to increase the time we can age healthier and enjoy an active lifestyle. As a member of the Leibniz Association, they are committed to inform the public about new insights in aging - because we all are aging.

Their Research aims to provide a knowledge basis for the development of future therapies which extend the health span during aging.

Website: <http://www.leibniz-fli.de/>

City: Jena

Country: Germany

Mission/Research Topics:

- Secure better understanding of the aging process contributes to the extension of healthy lifespan
- Identify the basic mechanisms that lead to dysfunctions and disease during aging.
- Provide a knowledge basis for the development of future therapies which extend the health span during aging.

Leibniz Research Institute for Environmental Medicine (IUF)

About:

The IUF was founded in 2001. Its legal form is that of a non-profit, limited liability company. Sole shareholder is the “Gesellschaft zur Förderung umweltmedizinischer Forschung e.V.” (GFUF, Society for the Promotion of Environmental-Medical Research) – a non-profit association of seven highly prestigious medical associations. In January 2011, the IUF became a member of the Leibniz Association and was renamed IUF – Leibniz Research Institute for Environmental Medicine.

The IUF’s major task is to carry out molecular preventive medical research of environmentally-induced disorders. The main objective is to improve health care with regard to environmental pollution and to develop preventive strategies. The IUF carries out research projects addressing the biological effects that pollutants (in particular particles, non-ionizing radiation and chemicals) have on humans. Environmentally-induced aging processes of the cardiovascular system and the skin as well as environmentally-induced disturbances of the immune system and damages to the brain are in focus. Based on the scientific competence in the institute these investigations are carried out interdisciplinarily. The IUF bundles scientific expertise in the fields of toxicology, immunology, molecular aging research and epidemiology. This interdisciplinary research approach needs experimental models of one or more barrier organs (boundary surface medicine). The impact of environmental factors is mainly investigated in the organ systems skin, lung, cardiovascular system, and brain. Besides in vitro examinations on cultured cells and (partly genuinely at the IUF developed) human 3 dimensional organic model systems, in vivo examinations are conducted in animal models as well as in humans using a specially established research unit for this purpose. Additionally, epidemiological studies are conducted.

The IUF has about 130 employees at the moment. Approximately half of them are being financed through external project-bound grants provided by the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG), the European Union, the Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF) and other research-funding institutions.

Website: <http://www.iuf-duesseldorf.de/home.html>

City: Düsseldorf

Country: Germany

Mission/Research Topics:

- Environmental-induced ageing processes
- Environmental-induced impairment of the immune system (immunotoxicology)
- Molecular mechanisms of premature ageing
- Degenerative diseases



Lifespan Health Research Center (LHRC)

About:

IDAC is Japan's Center for Smart-Aging Research. They are a unique institute that is part of Tohoku University and they are affiliated with other national universities that also promote aging sciences.

It is a well-known fact that Japan's population is aging faster than any other country in the world, and the need for aging research is becoming greater each day. Currently, the elderly make up more than 25% of the population, and in addition to the decline in birthrate, there is also a decline in the working population. In order to maintain a healthy society, it is clear that urgent measures must be taken to support an aging population.

The purpose of their institute is to shed light on the basic mechanisms of aging and to control age-related diseases, such as dementia and intractable cancers. To achieve their goals, they promote research under 3 main groups: (1) molecular mechanisms of aging and the self defense system, (2) molecular mechanism of carcinogenesis and cancer growth, and (3) brain maturation and aging. IDAC is one of the very few research institutes in the world that manages comprehensive multi-hierarchical medical research to focus on the complex mechanism of aging, by methods ranging from studying genes and cells using molecular biology techniques to directly studying people.

Specifically, their ultimate goal is to realize "smart-aging", which refers to the development and maturation of individual abilities as one gets older, where everyone can welcome old age with liveliness and continue to be an active part of society. To make this possible, their goal is to provide medical support and policies as well as becoming a leading research center by showing the world that they can effectively manage a super-aging society. As time passes, it is critical for individuals and the population as a whole to remain healthy and continue to have the vitality for growth and wisdom.

We call this approach "SMART-AGING".

Website: <http://www.idac.tohoku.ac.jp/site/>

City: Dayton

Country: USA / OH

Mission/Research Topics:

- Growth, maturation and aging
- Body composition
- Risk factors for cardiovascular disease
- Genetic epidemiology of complex traits

Manchester Institute for Collaborative Research on Ageing (MICRA)

About:

MICRA supports a community of over 100 active academics, bringing together international experts and leading researchers working across the field of ageing. Over 60 research projects and programmes span the Faculties of Humanities; Biology, Medicine and Health; and Science and Engineering. Ageing research is a strategic priority for The University of Manchester, as part of its commitment to social, economic and cultural impact. Founded in 2010, MICRA is recognised as a leading international centre for research on ageing.

Its researchers address fundamental research questions about ageing and society through collaborative research, with funders for ageing research including the European Union, UK Research Councils, Government, the Big Lottery, industry, NGOs and the charity sector.

Influencing policy, practice and debate

MICRA is situated in the heart of Manchester, the UK's first city to achieve World Health Organization age-friendly status. We engage critically with stakeholders and policy makers at global, national, regional, local and community levels to deliver research with demonstrable policy impact.

It aim to embed contributions from older people and stakeholders into all stages of research, ensuring that our work has meaning and direct societal relevance. MICRA is part of the Greater Manchester Ageing Hub, tasked with bringing together plans to support local older people. A range of key policy actors from across Manchester and the UK participate as hub partners.

Website: <http://www.micra.manchester.ac.uk/connect/events//>

City: Manchester

Country: UK

Mission/Research Topics:

- Biology of ageing and lifespan
- Engineering, environment and technology
- Frailty, cognition and dementia
- Inequalities, health and well-being
- Later life work, retirement and pensions
- Physical decline and tissue regeneration
- Public policy and care provision
- Social and cultural change and later life



Max Planck Institute for Biology of Ageing

About:

Research at the Max Planck Institute for Biology of Ageing is dedicated to deciphering the mystery of growing old: Why do organisms age at all? How can we influence our ageing and lifespan? And how can we ensure that with increasing age, our bodies remain vital and healthy?

As one of more than 80 independent non-profit research institutions under the umbrella of the Max Planck Society, the overall goal of our institute is thus to understand the natural ageing process and to discover how to intervene in it to ameliorate age-related diseases.

Max Planck Institute strive to uncover the underlying molecular, physiological and evolutionary mechanisms by using laboratory model organisms such as fish, mice, flies and worms. (For more information on our animal studies, please look here.) Since its long-term goal is to pave the way towards increasing health during ageing in humans, a key line of research is to investigate interventions that can ameliorate the ageing process.

In this respect, a ground-breaking discovery of recent years is that mutations in single genes in the simple, single-celled yeast, in multi-cellular animals such as worms and flies as well as in mice, can extend lifespan and produce a broad-spectrum improvement in health during ageing. The mechanisms involved seem to be similar in these very different organisms, and the same kinds of genes are turning out to be associated with survival to later ages in humans.

Hence, there is an unprecedented opportunity to use simpler organisms to make discoveries of relevance to the amelioration of human ageing. At the forefront of basic biomedical science and in close cooperation with its scientific partner organisations, they contribute to meeting the challenges of global changes associated with the health challenges of increasing human lifespan.

In particular, its research focuses on the roles of signaling through insulin/insulin-like growth factor and steroidal hormones, cellular components involved in growth control and nutrient sensing, factors regulating metabolism and function of mitochondria and mechanisms of neurodegeneration and other ageing-related diseases.

Website: <https://www.age.mpg.de/>

City: Cologne

Country: Germany

Mission/Research Topics:

- Mitochondrial biology
- Biological mechanisms of ageing
- Molecular genetics of ageing
- Skin homeostasis and ageing

Max Planck Institute for Demographic Research

About:

The Max Planck Institute for Demographic Research (MPIDR) in Rostock is one of the leading demographic research centers in the world. At the MPIDR, researchers from all over the world investigate demographic change, aging, fertility, biological demography and other issues at the forefront of population research. The Institute is headed by its directors Mikko Myrskylä and James W. Vaupel.

The Max Planck Institute for Demographic Research (MPIDR) in Rostock (directions and map) investigates the structure and dynamics of populations. The Institute's researchers explore issues of political relevance, such as demographic change, aging, fertility, and the redistribution of work over the life course, as well as aspects of evolutionary biology and medicine. The MPIDR is one of the largest demographic research bodies in Europe, and is a worldwide leader in the study of populations. The Institute is part of the Max Planck Society, the internationally renowned German research organization.

Research projects form the core of the scientific work at the Max Planck Institute for Demographic Research (MPIDR), bringing together researchers to work on individual research questions, and producing project-specific publications. Currently there are over 150 projects covering various research topics, ranging from formal demography to the social and political implications of demographic change.

Website: <http://www.demogr.mpg.de/en/default.htm>

City: Rostock

Country: Germany

Mission/Research Topics:

- Evolutionary biodemography - genetic, medical, and biological aspects of ageing
- Economic and social demography - transformation of the human life-cycle
- Population and policy - coherence between policy and demographic change
- Historical demography - European focus on the persistence of family patterns over the centuries and mortality decline around 1800
- Survival and longevity - ageing of human populations
- Lifecourse dynamics and demographic change - impact of micro and macro conditions at critical stages of life on individual and population-level outcomes later in life, focusing on health, mortality, and fertility
- Generations- and Gender Programme - demographic consequences of institutional, political, and economic change in Europe
- Evolution of ageing



McGill Centre for Studies in Aging (MCSA)

About:

The McGill University Research Centre for Studies in Aging (MCSA) has developed a strong expertise in the field of brain aging. It is recognized as one of the world's leading research centres in the fields of memory, cognition and forms of dementias such as Alzheimer's disease and other age-related disorders.

In addition to the individual research activities of the scientists of the centre, they launched a common research activity of the Centre in 2010: The Program for the Prevention Of Neurodegenerative Disease in Everybody at Risk (PONDER; <http://ponder.mcgill.ca/>). This cognitive testing and training initiative recruits adult subjects (40 to 90 years of age) from the local community and assesses their cognitive abilities over time in areas that have been identified as showing the earliest changes in neurodegenerative disease (e.g., digit-span, trail-making, word-list). At the same time, it allows participants to engage in cognitive training in areas that have been shown to be sensitive for enhancement through training, i.e. memory, processing speed, and attention. The Program was launched in April, 2010, for a beta-testing phase, and has without active recruitment and advertisement already attracted more than 100 participants

Website: <http://aging.mcgill.ca/rt.htm>

City: Verdun

Country: Canada

Mission/Research Topics:

The clinical research programme of the MCSA was established to examine and determine the clinical characteristics of normal and abnormal aging in human subjects.

- The HEALTHY AGING research programme that focuses on the characterization of psychological and biological markers associated with normal healthy aging.
- The UNHEALTHY AGING research program that focuses on diseases of the elderly that affects primarily the brain and the nervous system.
- The HEALTHY AGING research programme based at the Douglas Hospital was put in place several years ago under the leadership of Dr. N.P.V. Nair who, in collaboration with the World Health Organization, established a monitoring research programme that invited healthy elderly volunteers to visit the clinic twice yearly for a complete physical, neuropsychological and biochemical check-up. More than 400 volunteers were enrolled in this long term study of healthy aging and several discoveries were made on the physiological consequences of age-related deterioration of the endocrine system. In addition to Dr. N.P.V. Nair, Drs. S. Lupien, M. Meaney, D. Dastoor and M. D. Schwartz have all played crucial roles in the development of this research programme.



Medawar Centre for Healthy Ageing Research

About:

The University has a longstanding interest in ageing that began when Peter Medawar was the Mason Professor of Zoology in the late 1940s. Medawar is probably best known for his work on immune tolerance, for which he received a Nobel prize, but he also developed one of the key theories relating to the evolution of ageing – the Mutation Accumulation Theory of Ageing.

In the last decade ageing has become a growing research interest at the University. To reflect the importance of ageing research at Birmingham, the University has set up the Centre for Healthy Ageing Research and is making significant new appointments in 2011 at senior level in Stem Cells and Ageing research to support the work of the centre.

We are an ageing population, with current demographic trends indicating that 1 in 5 adults in the UK will be aged over 65 by the year 2020.

Whilst this is a cause for celebration, there is also evidence that healthspan (the time spent in good health) is not keeping pace with the increases in average lifespan, with significant consequences for quality of life in old age and for health and social services provision. Thus medical advances have ensured that a greater proportion of the population make it through to the third age of man, but they have made less impact upon the quality of life in old age.

Age is the most important risk factor for many disabling human diseases and on average men will still be unwell for the last 6 years of their lives and women for the last 11 years.

Website: <https://www.birmingham.ac.uk/research/activity/mds/centres/healthy-ageing/index.aspx>

City: Birmingham

Country: UK

Mission/Research Topics:

- Aging and the cardiovascular system
- Aging and the immune system
- Aging in nematodes
- Ensuring good health in old age
- Aging brain



Michigan Alzheimer's Disease Center (MADC)

About:

Established at the University of Michigan Health System and based in the Department of Neurology, the Michigan Alzheimer's Disease Center aims to.

Conduct and support research on Alzheimer's disease and related disorders;

Promote state-of-the-art care and wellness for individuals and families affected by memory loss;

Increase dementia awareness through collaborative education and outreach efforts.

The center's goals include:

- Support recruitment for memory and aging research.
- Connect interested volunteers to research opportunities.
- Provide programs focusing on whole-body health and well-being through our Wellness Initiative.
- Collaborate with three local chapters of the Alzheimer's Association to enhance our community outreach through education programs.

Website: <http://alzheimers.med.umich.edu/>

City: Ann Arbor

Country: USA / MI

Mission/Research Topics:

- Biomarkers used for early detection
- Disease modifying treatments
- Basic disease mechanisms
- Effective strategies to help individuals with memory loss

Michigan Center on the Demography of Aging (MiCDA)

About:

The Michigan P30 Center on the Demography of Aging is a joint program of the Population Studies Center and Survey Research Center, Institute for Social Research, University of Michigan. Funding is provided by the Behavioral and Social Research (BSR) Program of the U.S. National Institute on Aging (P30 AG012846). The goal is to spur new research on the economics and demography of aging and encourage use of major datasets in the field.

The Michigan Center on the Demography of Aging promotes new research on the demography and economics of aging across four signature themes: chronic disease and disability; life course determinants of late-life health and well-being; aging, genetics, and social science; and economics of savings and retirement. The Center also promotes the wide use of Michigan's key aging-related data collections, notably the Health and Retirement Study and the Panel Study of Income Dynamics. In addition, the Center fosters national and international collaboration through coordination of several research networks, funds pilot projects, distributes research findings by affiliates, and supports a secure statistical enclave for access to restricted aging-related data. The Center provides coordinating support to all NIA Centers and collaborates with the Population Reference Bureau to widely disseminate all Centers' research findings.

The National Institute on Aging of the National Institutes of Health supports research centers on the demography and economics of aging based at the University of California at Berkeley; Duke University; Harvard University; the University of Michigan; the National Bureau of Economic Research; the University of Pennsylvania; the RAND Corporation; Stanford University; the University of Southern California and the University of California at Los Angeles; the University of Washington; and the University of Wisconsin.

Website: <https://micda.psc.isr.umich.edu/>

City: Ann Arbor

Country: USA / MI

Mission/Research Topics:

- Surveys/Data collection
- Economics of saving and retirement in the U.S.
- Disparities by race, ethnicity, and socioeconomic status
- Chronic diseases
- Cognition, mental health
- Historical demography

National Ageing Research Institute (NARI)

About:

The National Ageing Research Institute (NARI) has for the past four decades been bringing research to life to improve health outcomes and aged care practice as well as to guide policy to invest in solutions for positive ageing for Australia's older people.

NARI is a national leader in ageing research, producing work of international significance to apply to real lives, particularly in falls and balance, pain, dementia, physical activity, healthy ageing, psychosocial and mental health, and health systems evaluation.

NARI is recognised as a leading research institute in ageing including falls and balance, pain, dementia, physical activity, healthy ageing, public and preventive health, and health systems evaluation. NARI also conducts a broad range of other clinical and psychosocial research including research into cognitive decline and music therapy, and older women's health.

The Institute concentrates its research in several key divisions. These divisions cover ageing research from a variety of perspectives including both a public and preventive health, perspective, service development, biomedical and from a and clinical perspective. NARI currently employs over fifty staff and at any one time manages over fifty research projects.

These range from large, competitive NHMRC projects to commissioned and self-initiated research. NARI's funding is mainly derived from competitive government and other grants and it also receives a small amount of infrastructure funding from the state Department of Health (Victoria).

Website: <http://www.nari.net.au>

City: Parkville

Country: Australia

Mission/Research Topics:

- Vascular system
- Stroke
- Dementia
- Clinical research
- Pain - dementia and memory loss, age differences, management and assessment, pain experience
- Drug trials
- Falls prevention
- Service evaluation - community care, health care and rehabilitation, residential care
- Health promotion
- Population studies

National Institute for Mental Health Research

About:

Australian Primary Health Care Research Institute (APHCRI) was established at The Australian National University in 2003 as part of the Primary Health Care Research Evaluation and Development (PHCRED) Strategy of the Australian Government Department of Health and Ageing. APHCRI sat within the PHCRED strategy sharing the common overall aim of embedding a research culture in Australian primary health care.

The Australian National University's contract with the Department of Health for APHCRI ceased on 31 December 2015. Ongoing externally conducted research is being managed by the Research School of Population Health to ensure contract compliance and associated payments. Most projects will end in 2016; but some Centres of Research Excellence will continue into 2017 and 2019.

The vision of the Centre for Mental Health Research (CMHR) is to be recognised as a leader in excellent, innovative, population-based mental health research that is relevant to policy and practice.

Their goals include:

- Excellence in research
- Dissemination of high-quality research through translation into policy and practice
- Training future leaders through research supervision and teaching
- A focus on research that is designed to be highly relevant to the mental health sector and to the broader population.
- Incorporating the crucial lived experience perspective that consumers and carers bring, contributing to research directions, informing research design and in conducting research.
- Collaboration with the mental health sector to reach common goals, including collaboration with academics from across disciplines, policymakers, service providers, consumers and carers.
- Building capacity and sustainability in population mental health research.

Website: <http://rsph.anu.edu.au/research/centres-departments/australian-primary-health-care-research-institute>

City: Canberra

Country: Australia

Mission/Research Topics:

- Depression
- Anxiety disorders
- Substance abuse
- Bipolar disorders

National Institute for the Study of Ageing and Later Life (NISAL)

About:

The university carries out world-leading, cross-border research in close collaboration with business and society, including materials, IT and hearing. In the same spirit, Linköping University, LiU, offers a large number of innovative programs, not least many professions for, for example, doctors, teachers, civil economists and civil engineers.

The university has 27,000 students and 4,000 employees at four campuses who together seek answers to complex issues of the day. The students are among the most sought after in the labor market and according to international rankings, LiU is among the foremost in the world.

Linköping University has always worked with innovation in education and research. In 1980 the newly formed Department of Thematic Studies adopted an approach that was new in Sweden. Research was organized in interdisciplinary themes, such as Technology and Social Change or Water and Environmental Studies. Scientists worked across boundaries to solve complex problems. LiU was also first in Sweden to introduce graduate research schools for the different themes. The model later spread to other parts of the university and became a national success.

The new Faculty of Health Sciences (Hälsouniversitetet), formed in 1986, combined governmentally and regionally funded education. It introduced a radically changed methodology, being the first in Sweden to use problem-based learning, PBL. Furthermore, LiU became the first university in the world to allow students at educational departments to treat actual patients.

Website: <https://old.liu.se/personal/isv/nisal?l=en>

City: Linköping

Country: Sweden

Mission/Research Topics:

- Socio-cultural, political and historical context
- Care and welfare
- Ageing in time and space: home, housing, and technological landscape

National Institute on Aging (NIA)

About:

NIA, one of the 27 Institutes and Centers of NIH, leads the federal government in conducting and supporting research on aging and the health and well-being of older people. The Institute seeks to understand the nature of aging and the aging process, and diseases and conditions associated with growing older, in order to extend the healthy, active years of life.

In 1974, Congress granted authority to form NIA to provide leadership in aging research, training, health information dissemination, and other programs relevant to aging and older people. Subsequent amendments to this legislation designated NIA as the primary Federal agency on Alzheimer's disease research.

The Institute's mission is to:

- Support and conduct genetic, biological, clinical, behavioral, social, and economic research on aging.
- Foster the development of research and clinician scientists in aging.
- Provide research resources.
- Disseminate information about aging and advances in research to the public, health care - professionals, and the scientific community, among a variety of audiences.
- NIA pursues this mission by funding extramural research at universities and medical centers across the United States and around the world; maintaining an active communications and outreach program; and conducting a vibrant intramural research program at NIA laboratories in Baltimore and Bethesda, Maryland.

Aging Well in the 21st Century: Strategic Directions for Research on Aging, most recently updated in 2016, is NIA's «road map» for progress in aging research and outlines our goals and vision. It provides a point of reference for setting priorities and a framework for systematically analyzing the Institute's scientific portfolio and assessing progress.

Website: <https://www.nia.nih.gov>

City: Bethesda

Country: USA / MD

Mission/Research Topics:

- Mechanisms of ageing
- Processes of ageing
- Ageing in relation to health and disease
- Age-related changes in physiology and the ability to adapt to environmental stress
- Pathophysiology of age-related diseases



New Zealand Institute for Research on Ageing (NZIRA)

About:

The IGPS is a public policy think tank, working to lift environmental, social and economic outcomes for New Zealand via research and engagement.

The aim of the Institute for Governance and Policy Studies is to deliver independent, high quality and high-impact research that informs the policy-making process and influences policy development and implementation across a number of significant areas. While such research will focus in particular on issues of direct relevance to New Zealand and its citizens, it will also (where appropriate) have an international and comparative dimension. Whatever the precise nature of the research, it will relate to one or more of the Research Objectives of the Institute and act as the critic and conscience of society.

Website: <http://igps.victoria.ac.nz/Ageing/Index.html>

City: Wellington

Country: New Zealand

Mission/Research Topics:

- To enhance the quality of public body decision-making.
- To contribute to the improvement of public management and governance in New Zealand and Internationally.
- To carry out independent public policy research in order to achieve better social, environmental and economic outcomes for the benefit of all New Zealanders.
- To seek through the Institute's various programmes and activities to help solve (or at least ameliorate) some of the big policy problems facing contemporary governments).
- To deliver independent, high quality and high-impact research that informs and influences the policy-making process.
- To influence policy development, management and implementation in order to achieve better outcomes for New Zealanders and New Zealand.
- To widely disseminate the findings from research projects to better inform elected representatives, officials, policy-makers and the general public.
- To engage with the community through regular news releases and media commentary, workshops and public seminars.
- To have Institute staff and associates contribute to public debate in areas where they have relevant expertise, including preparing submissions on government bills and discussion papers.
- To raise the profile and public standing of the University and of the School of Government.

Oxford Institute of Population Ageing

About:

The Oxford Institute of Population Ageing was established in 1998. Based on the US Population Center, it was funded by a grant from the National Institute of Health (National Institute on Aging - NIA) to establish the UK's first population centre on the demography and economics of ageing populations. It achieved Institute status in 2001.

Their aim is to undertake research into the implications of population change. They are a multi-disciplinary group with demography as our main disciplinary focus, and links into all four University Divisions. Their researchers work in Africa, Latin America, Asia and Europe, and they run the Population Networks AFRAN (Africa) LARNA (Latin America) EAST (Central and Eastern Europe).

«Changes in the demographic age structure of populations has become one of the major challenges for the 21st century. Driven predominantly by falling fertility rates across the globe as the Total Fertility Rates of two thirds of the globe's countries now reach around or below replacement level, this age compositional shift has huge implications for all aspects of society and economy. Falling mortality rates, especially among the older population has enhanced this age shift, especially in advanced economies.

Key questions addressed by the Institute concern the ageing of populations, the potential of the growing labour pool in Emerging Economies, and the progress of the fertility transition in Least Developed Economies. This demographic change affects all regions of the world, from demographic deficits in Europe, demographic dividends in Asia and youth bulges on the Middle East.» - Professor Sarah Harper, Director, Oxford Institute of Population Ageing

Website: <http://www.ageing.ox.ac.uk>

City: Oxford

Country: UK

Mission/Research Topics:

- Understanding demographic change
- Demography and economy
- Demography and society
- Bio-Demography and health
- Demography, science and innovation
- Demography and environment



Perceptual & Cognitive Aging Lab

About:

Many older adults are excellent drivers, yet they are more likely to be involved in a collision and to be injured or killed as a result. The increased risk of collisions is a result of many factors, including physical and cognitive declines that can accompany the aging process. Families, doctors, governments and the general public have become quite interested in assessing driving skills in older adults and in providing training to correct poor driving habits. If you want to improve your golf game, you go to the expert. Why not take the same approach to driving?

The Perceptual and Cognitive Aging lab will soon offer driving assessments to let you know if there are any issues that could potentially impact your ability to drive safely. They don't take away licenses; they educate. Who gets your test results is completely up to you.

Don't just think you're safe. Know you are.

The Perceptual and Cognitive Aging Lab has the tools that can alert you of potential issues that could impact your ability to drive safely. One completely free visit can give you or your loved ones peace of mind and can point you towards resources that can help you become a safer driver.

Website: <http://psych.ucalgary.ca/PACE/PCA-Lab/>

City: Calgary

Country: Canada

Mission/Research Topics:

- Early detection of declines in driving ability
- Driving safety



Research Centre on Aging

About:

The Research Centre on Aging (CDRV) is home to approximately fifty researchers who work in a variety of scientific disciplines. The Centre also has around twenty associate researchers and over one hundred people who are committed to research in one form or another. The CDRV is one of the most important centres on aging in Canada.

Work conducted at the CDRV can help us all - young and seniors alike – lead more active life and to adopt healthier lifestyles with a view to successful aging. The CDRV supports social initiatives at large to offer the best response to the needs of seniors and to offer them better services.

Their ultimate goal is to improve the quality of life of seniors and to help us make the right decisions throughout our lives so that we can age well in a healthy, autonomous manner.

Since its foundation in 1988, the Research Centre on Aging has been pursuing its mission first under the Health and Social Services Centre – University Institute of Geriatrics of Sherbrooke (CSSS-IUGS), then under the CIUSSS de l'Estrie - CHUS.

The proximity of the CIUSSS de l'Estrie - CHUS allows students to come into contact with both the research and clinical spheres of their professions such as short and long-term care, geriatric rehabilitation, the Day Hospital, gerontopsychology, outpatient clinics (memory, incontinence), and so on.

Website: <http://cdrv.csss-iugs.ca/home>

City: Sherbrouke / Quebec

Country: Canada

Mission/Research Topics:

- Nutrition and senior autonomy;
- Cardiovascular and neurodegenerative diseases (i.e. Alzheimer's), cancer, endocrine dysfunctions (i.e. diabetes);
- Processes and effects of sarcopenia (loss of muscle mass)
- Home support in the context of an aging population;
- Fall prevention;
- Social and psychological vulnerability among seniors;
- Telehealth, telerehabilitation and telemonitoring;
- Driving and road safety;
- Study of the biological mechanisms of aging and associated pathologies;



Salford Institute for Dementia

About:

Their approach is putting the humanity and personhood of the person with dementia at the heart of what they do. The institute is engaged in research, innovation and education in supportive design and care for people living with dementia. The focus of this work is the maintenance of independence and the promotion of integrated support in the communities where people live.

At the University of Salford they have made the decision to utilise our resources to benefit those in our society whose lives have been changed by dementia today. In November 2013, they established the Salford Institute for Dementia, building on over three years of successful collaboration across a unique network of academics at the University. The Institute has at its heart a spotlight on the humanity and personhood of those living with dementia. Its driving philosophy is to enable people to live positive, fulfilled lives and instil in everyone a confidence that they can make a difference to an individual's experience of dementia.

At Salford they are offering a multi-disciplinary lens on this urgent global challenge. As part of their work to become a "dementia friendly" university, over 50 colleagues from across the institution including the School of the Built Environment, the College of Health and Social Sciences and the School of Arts and Media, have created new collaborations to focus our work in this area. This has been supported by their key partners at a local, national and international level, including Alzheimer's UK, Four Seasons Healthcare and the Dementia Action Alliance through the establishment of their own local organisation, the Salford Dementia Action Alliance. Through these relationships and our wider discussions they have discovered that demand for knowledge, networks, expertise and investment in this area is urgently needed and significant.

Website: <http://www.salford.ac.uk/salford-institute-for-dementia>

City: Salford

Country: UK

Mission/Research Topics:

- Personhood and humanity
- Purposeful activity for people with dementia
- Design of private and public spaces
- Experience of black and ethnic minorities
- Experience of people living with dementia in hard to reach communities and individuals



Sanders-Brown Center on Aging (SBCoA)

About:

Established in 1979, the SBCoA conducts research, education and outreach, and clinical programs on healthy brain aging and neurodegenerative disorders.

Highly productive and collaborative basic and clinical scientists work together, producing synergistic and high impact research that is changing the field of aging and age-related neurodegenerative disorders.

Center scientists are focused on understanding the mechanisms involved in development and progression of age-related neurodegenerative diseases, such as Alzheimer's disease and related dementias and stroke, and are seeking new knowledge breakthroughs to combat these diseases of the elderly.

The ultimate goal of the SBCoA is to catalyze innovative and outstanding research while ensuring a more rapid rate of progress toward new therapies to delay or prevent age-related brain disorders, so that our human volunteers, patients and caregivers become the beneficiaries of our advances in knowledge

In 1985, the SBCoA was named as an Alzheimer's Disease Center, one of the original ten centers funded by the National Institute on Aging. The University of Kentucky Alzheimer's Disease Center (UK-ADC) supports and facilitates research aimed at elucidating the pathogenic mechanisms underlying the transitions from normal cognitive aging to the development of cognitive impairment, with a long-term goal of enabling more effective translation of this mechanistic knowledge to intervention strategies. The UK-ADC also promotes education and outreach, provides clinical and neuropathological diagnoses and care of patients with cognitive impairment, and runs an active clinical trials program to test potential new therapies. These activities are critical because, with the aging of the population worldwide, age-related cognitive disorders such as Alzheimer's disease are reaching epidemic proportions requiring a desperate need to identify strategies for effective therapeutic intervention.

Website: <http://www.uky.edu/coa/>

City: Lexington / KY

Country: USA

Mission/Research Topics:

- Alzheimer's disease and neurodegenerative diseases
- Stroke



香港大學秀圃老年研究中心
Sau Po Centre on Ageing
The University of Hong Kong

Sau Po Centre on Ageing

About:

Hong Kong has been an aging society since 1990s. It is estimated that in 2041, 30% of its population will be aged 65 or above. At the same time, the elderly dependency ratio is projected to rise to 497, which will represent a 1.94 times increase as compared with that in 2011. They believe that this demographic change will bring challenges as well as opportunities.

In picturing ourselves in a society in the year of 2041, they are more passionate than ever in contributing new and effective solutions that are highly sensitive to the needs of older adults, their families, and the communities at large so that all will benefit from the advances in knowledge. They are also taking a leading role in educating and mentoring the next generation of social gerontologists and health professionals through our Master of Social Sciences (Gerontology) and research postgraduate programs.

The Centre focuses on enhancing the quality of life of elderly through gerontology research. They have a strong research team which comprises experts in different areas of gerontology. The team investigates into various ageing-related issues through multi-disciplinary and multi-cultural studies in conjunction with local and overseas experts.

Other than the research themes, Their researchers also look into issues faced by different populations. For example, the team has devoted a lot of effort in dementia studies such as non-pharmacological interventions (e.g. cognitive stimulation therapy) and caregiver support for dementia patients. They have developed family-based intervention programme for caregivers of stroke patients. They also investigate into the difference in ageing process between people with Down syndrome and the general public, and examine how physical fitness and functioning of adults with Down syndrome changes when they age. Many of Their projects involve community engagement of both frail and healthy older people. This effectively promotes elderly volunteerism as empowerment which enforces productive aging and a thriving society.

Website: <http://ageing.hku.hk>

City: Hong Kong

Country: China

Mission/Research Topics:

- Health Ageing
- Geriatric and long-term care
- Financial security and housing
- Cross-cultural psychosocial gerontology

School of Aging Studies

About:

Welcome to the School of Aging Studies in the College of Behavioral and Community Sciences at the University of South Florida.

The University of South Florida School of Aging Studies, formerly Department of Gerontology, was established in 1967. It is one of the nation's oldest and largest degree-awarding programs in Gerontology. Its graduate and undergraduate degree programs are multidisciplinary. Its faculty members have degrees in diverse areas including Aging Studies, Anthropology, Economics, Education, Gerontology, Law, Medicine, Neurosciences, Nursing, Pharmacology, Political Science, Psychology, Public Administration, Public Health, Social Work, and Sociology. Faculty bring their expertise in these scholarly and professional areas, and their specialized experience in gerontology, to bear on the many complex issues faced in understanding the biological, psychological, social, and public policy aspects of aging.

Its faculty are engaged in extensive research activities concentrated in three areas; Aging and Health; Cognitive Aging and Alzheimer's Disease; and Public Policy and Long-Term Care. They have a particular emphasis on applied research that is aimed at improving clinical practice, public policy, and the well-being of older adults and their families.

They offer programs that can be completed by full-time or part-time students and most of our degree programs allow students a great deal of freedom in choosing electives that suit their interests. At the undergraduate level, the School of Aging Studies offers courses of study leading to a minor in Gerontology, Bachelor of Arts in Gerontology, and Bachelor of Science in Long-Term Care Administration.

At the graduate level, they offer a Master of Arts in Gerontology. The Department also hosts the University-wide interdisciplinary Ph.D. in Aging Studies program. They also offer several graduate certificate programs which can be completed without having to take the GRE or be formally admitted to the graduate program. These include the Graduate Certificate in Gerontology, the Advanced Graduate Certificate in Gerontology, and the Advanced Graduate Certificate in Geriatric Social Work/Clinical Gerontology.

Website: <http://www.usf.edu/cbcs/aging-studies/>

City: Tampa / FL

Country: USA

Mission/Research Topics:

- Ageing and health
- Cognitive ageing and Alzheimer's disease
- Public policy and long-term care

Smart Ageing International Research Center (SAIRC)

About:

The Smart Ageing International Research Center (SAIRC) was founded on October 1st 2009. This center proposes the creation of a new field of science to produce well-rounded personnel who have gained “totally comprehensive intelligence” from their experiences, in order to aid society in coping with the various problems associated with a diverse and complex super-aging society. To this end, the Center will promote interdisciplinary cooperative research, international collaborative research projects, and research collaborations with industry, as well as disseminate and facilitate exchange of information by holding international conferences and symposia.

The percentage of elderly people in Japan age 65 years or over (aging ratio) was 22.0% in 2008, an unprecedented ratio making Japan the world’s first super-aging society. In the 2020s, it is estimated that the aging population percentage will exceed 30%, urgently necessitating the formulation of specific countermeasures against a super-aging society. It is obvious that without intelligent personnel willing and capable of concentrating their ability dealing with aging-related problems, a prescription for accommodating growth in the super-aging society cannot be developed. At present industry, government and academia around the world are not prepared to cultivate human resources that can address the needs of the unprecedented super-aging population. Their center is a step toward addressing and more importantly meeting those needs. With the shared objective of creating a “smart aging” research field that will help individuals and society age and mature intellectually, the center will gather researchers who have been conducting state-of-the-art aging-related research in the fields of natural science, humanities, and sociology to establish an interdisciplinary and integrated educational research system, and cultivate human resources capable of comprehensively coping with the problems super-aging societies face.

Website: <http://www2.idac.tohoku.ac.jp/dep/sairc/index.html>

City: Sendai

Country: Japan

Mission/Research Topics:

- Functions of the prefrontal cortex (PFC) in humans
- Intervention methods for maintaining and improving cognitive functions
- Entertainment and smart ageing
- Development of high precision imaging and sensor technologies
- Biomedical engineering evaluation of skin conditions
- Evaluation of Atherosclerosis

Stanford / VA Alzheimer's Research Center

About:

The Stanford Alzheimer's Disease Research Center (ADRC) is part of a nationwide network of Alzheimer's Disease Centers supported by the National Institutes of Health. The centers work together to translate research advances into improved diagnosis and care for people with Alzheimer's disease and related brain disorders. The ultimate goals are to cure Alzheimer's disease and, even more important, to prevent it from developing.

The clinical and research focus of the Stanford ADRC includes both Alzheimer's disease and Parkinson's disease. They are the most common and the second most common neurodegenerative disorders.

The Stanford ADRC has particular strengths in neuroimmunity, synapse biology, brain imaging, clinical assessment and clinical research, biostatistics and bioinformatics, epidemiology, and caregiver outreach. Our outreach activities include Latino and American Indian communities in the Bay Area. Its ADRC partners include Stanford Medicine, the VA Palo Alto Health Care System, the Palo Alto Medical Foundation Research Institute, and the Northern California and Northern Nevada chapter of the Alzheimer's Association. The ADRC have strong ties to the Pacific Udall Center, the Stanford Neurosciences Institute and other Stanford centers.

Website: <http://med.stanford.edu/svalz.html>

City: Palo Alto / CA

Country: USA

Mission/Research Topics:

- Mild cognitive impairment (MCI)
- Medication reassessment in Alzheimer's disease patients
- Sleep disorders in Alzheimer's patients
- Psychosocial factors in Alzheimer's disease progression
- Sexuality in Alzheimer's disease



Stanford Center on Longevity (SCL)

About:

Longer lives are, at once, among the most remarkable achievements in all of human history and the greatest challenges of the 21st century. Whereas most discussions about aging societies are premised on the assumption that older people are frail and infirm, our premise is that problems of older people demand solutions so that the substantial increase in life expectancy can ultimately benefit individuals and societies. The mission of the Stanford Center on Longevity is to accelerate and implement scientific discoveries, technological advances, behavioral practices, and social norms so that century long lives are healthy and rewarding.

It is a center on longevity, not old age, because building a world where the majority of people thrive in old age requires attention to the entire life span. Research shows clearly that education, exercise, nutritional habits, financial decisions, and social choices early in life have substantial implications for quality of life at advanced ages. Increased longevity demands that they reconsider traditional models of the life course which will necessitate new norms and practices for education, work and families that span multiple generations.

To inspire change on a grand scale, the Center works with more than 150 Stanford faculty, their students and research staffs, as well as leaders from industries that are poised to distribute innovative products and services to the public, thought leaders who help to shape the ideas that influence cultural change, and policy makers who target important challenges and opportunities for long lived societies. By fostering dialogue and collaborations among these typically disconnected worlds, the Center aims to develop workable solutions for urgent issues confronting the world as the population ages. With these partners, they aim to redesign how we live our lives so that the great potential of longer life is fully realized.

Website: <http://longevity3.stanford.edu>

City: Stanford / CA

Country: USA

Mission/Research Topics:

- Mind - early detection of decline, behavioral and biological interventions, and decision aids
- Mobility - promote lifelong mobility by preventing or reducing barriers to physical movement
- Financial security - products, technologies, fraud and financial education that will help people better plan, save for their futures and guard against financial fraud
- Demographics - economic and political implications of population ageing around the world as people live longer and have fewer children

The Center for Healthy Ageing

About:

Our society is rapidly aging and more people are living longer than ever before. This increase in longevity presents both exciting opportunities and urgent challenges to society. Some of these challenges include managing an increasingly older workforce, controlling health care costs and informing policies that support an older and more active population. Promoting healthy aging in the 21st century requires a better understanding of how social, psychological and biological processes interact to confer either risk or resilience for the aging individual.

The mission of the Center for Healthy Aging is to facilitate research that promotes emotional, physical, and cognitive health in adulthood. A major strength of our center is its interdisciplinary and developmental approach to research on health and well-being in adulthood. Investigators in our center study the ways in which our everyday experiences behaviors influence our health and quality of life. To achieve its mission, the Center's efforts are concentrated on:

1. Stimulating the interdisciplinary study of aging within and across the biological, behavioral and social sciences and conducting cutting-edge research that tackles prominent questions of aging and old age;
2. Coordinating new interdisciplinary partnerships to develop innovative programs of research and education that capture the complexities and inter-connections of aging issues;
3. Translating research advancements into practical understandings and interventions and promoting sound policy to enhance the quality of life and promote the health and welfare of our citizens;
4. Offering post-graduate, graduate and undergraduate students excellent training in contemporary issues of aging and old age and instruction in state-of-the-art methodological tools suited to the study of aging.

Website: <http://healthyaging.psu.edu>

City: University Park / PA

Country: USA

Mission/Research Topics:

- Developmental methodology
- Daily experiences
- Health behaviors
- Work-family health
- Interventions for healthy ageing



The Charles F. and Joanne Knight Alzheimer's Disease Research Center (Knight ADRC)

About:

The Charles F. and Joanne Knight Alzheimer's Disease Research Center (Knight ADRC) is part of the Department of Neurology, at Washington University School of Medicine in St. Louis, Missouri, USA. The Washington University Knight ADRC is one of 29 centers funded by the National Institute on Aging with the collective aim of facilitating advanced research on clinical, genetic, neuropathological, neuroanatomical, biomedical, psychosocial, and neuropsychological aspects of Alzheimer's disease and related brain disorders.

The Center and its clinical research arm - the Memory and Aging Project (MAP) along with the Memory and Aging Project Satellite (MAPS) - are at the forefront of a worldwide effort to uncover key causal factors in the development of Alzheimer's disease, with a goal of developing more effective treatments and an eventual cure. Since 2000, the Center is guided by an African American Advisory Board (AAAB) on matters of cultural sensitivity and research inclusion.

Website: <http://alzheimers.med.umich.edu/>

City: St. Louis / MO

Country: USA

Mission/Research Topics:

- Biomedical aspects
- Clinical aspects
- Genetic aspects
- Neuroanatomical aspects
- Neuropathological aspects
- Neuropsychological aspects
- Psychosocial aspects

Tulane Center for Aging

About:

One of the nation's most recognized centers for medical education, Tulane University School of Medicine is a vibrant center for education, research and public service. Tulane University School of Medicine is the second-oldest medical school in the Deep South and the 15th oldest medical school in the United States. Tulane School of Medicine is fully accredited by the Liaison Committee on Medical Education.

The demographic reality today and in the foreseeable future is a graying population, both in terms of an increase in life expectancy and in the number of people over the age of 65. The retirement of the baby boomers, 77 million strong, will place a strain on Social Security and Medicare in the next decades. Only a compression of morbidity, coupled to changes in health systems management and healthcare delivery, can relieve this pressure. This will require significant research effort, in biological sciences, clinical medicine, behavioral and social sciences, as well as demography, economics, and policy planning. The research will engage basic, clinical, and translational scientists in multidisciplinary teams. The issues surrounding the expansion of the elder population transcend medicine and public health. The design and implementation of elder-friendly communities is emerging rapidly with abundant economic impact on this state and country. Furthermore, the increase in elder health that is an essential social and economic imperative will require planning for second and even third careers. The concept of 'active retirement' is taking on new meaning under current economic conditions. This in turn engages universities in forms of continuing education that have yet to be thoroughly explored, and it also has important implications for the model of the workplace.

Website: <http://medicine.tulane.edu>

City: New Orleans / LA

Country: USA

Mission/Research Topics:

- Cardiovascular ageing
- Endocrine function, obesity, and musculoskeletal aging
- Genetics and epigenetics
- Health systems
- Immunosenescence
- Neurocognitive ageing, neurodegeneration, and dementia
- Proliferative Homeostasis, cancer, and ageing
- Regenerative medicine and translation
- Systems biology of ageing
-

The Tulane Center for Aging is dedicated to the enhancement of the quality of life of an aging population through research, education, and innovative approaches to healthcare and community planning and design.

UAB Center for Aging

About:

The Center's mission and goals are met through a wide variety of programs under the overall supervision of the director, Cynthia J. Brown, MD, MSPH. Dr. Brown reports to the Vice President for Research and ten sponsoring school and college deans. The director, associate and assistant directors serve as the Executive Committee and provide leadership and oversight for all aspects of the Center's programs.

The Steering Committee includes all the members of the Executive Committee and additional faculty members appointed by the director and sponsoring deans to assist with providing guidance for the development, on-going evaluation, and administration of the Center's programs.

External Advisory Committee of nationally recognized experts in aging meets every two to three years to provide recommendations about the Center's programs to the Director and the Steering Committee. In addition, Deans, Department Chairs, and other Center Directors provide ongoing guidance on how the Center can most effectively carry out its mission. A Community Advisory Committee of community leaders with interests in the problems of older adults meets regularly with the Center Director to provide recommendations that will help the Center be more responsive to the needs of older adults in the community. A Board of Advocacy provides guidance and leadership for community outreach and development activities.

Website: <http://www.uab.edu/medicine/aging/>

City: Birmingham / AL

Country: USA

Mission/Research Topics:

- Clinical - mobility, muscle loss (sarcopenia), exercise, genito-urinary disorders such as incontinence, end-of-life and advanced illness care, Alzheimer's disease and other memory disorders, stroke, vision, osteoporosis, osteoarthritis, age-related cancers, nutrition, and heart failure
- Social and behavioral - interventions to prevent and treat age-related disorders and caregiver stress
- Basic biomedical - molecular genetics and cellular biology of ageing and age-related diseases, such as atherosclerosis, Alzheimer's disease, and osteoporosis
- Public policy - health services delivery, economics of ageing, health care quality, long-term care, and transportation
- Neuroscience - ageing and memory

UCLA Longevity Center

About:

Since 1991, the UCLA Longevity Center has focused on helping people live better, longer. It achieves this mission through cutting-edge research, innovative education, comprehensive patient care, and effective community service. By translating scientific discoveries into practical applications, the Center has distinguished itself as a pioneering leader in the field of longevity and aging well.

The Center's commitment to improving quality of life focuses on early detection and prevention of age-related maladies, including memory loss and cognitive decline. Research shows that age is the single greatest risk factor for developing memory loss. With Baby Boomers now beginning to turn 65, they are reaching the age when risk for Alzheimer's disease climbs to 10 percent. According to the United States Census Bureau, by 2050, people 65 and over will comprise more than 20 percent of the U.S. population. Today, five-million-plus Americans suffer from Alzheimer's disease—a number projected to triple in the next few decades. UCLA scientists and others will continue to pursue a cure. In the meantime, they have made great strides in our understanding of both genetic and non-genetic factors that impact Alzheimer's risk, and current treatments are helping patients live productive lives much longer than ever before.

Website: <http://www.semel.ucla.edu/longevity>

City: Los Angeles / CA

Country: USA

Mission/Research Topics:

- Comparison of Levomilnacipran to Placebo in Older Adults with Depression
- Health Education and Wellness for Older Adults
- Late-Life Depression and Memory Research Study
- Optimize Your Treatment for Depressio

UCSF Memory and Aging Center

About:

The mission of the UCSF Memory and Aging Center is to provide the highest quality of care for individuals with cognitive problems, conduct research on the causes and cures for degenerative brain diseases, and educate health professionals, patients, and their families.

From heart disease and immunology to specialty services for women and children, UCSF brings together the world's leading experts in nearly every area of health. They are home to five Nobel laureates who have advanced the understanding of cancer, neurodegenerative diseases, HIV/AIDS, aging and stem cell research. UCSF Medical Center, UCSF Benioff Children's Hospitals, all four of their professional schools — dentistry, medicine, nursing and pharmacy— and many UCSF graduate programs consistently rank among the best in the country.

UCSF is a collection of dedicated scientists, clinicians, students and staff who share a common drive to make the world a better place by advancing health and the human condition. Care and compassion are as critical as science and discovery in fulfilling our mission to drive change, and make a difference for individual patients and whole populations.

In a field where lives often hang in a delicate balance, UCSF recognizes that time is of the essence – for patients in the hospital and for populations facing an epidemic. They harness the efficiency of multidisciplinary teams to accelerate learning and scientific progress and speed the development of new therapies and cures. They are constantly pushing forward the policies and partnerships that ensure that people in need are getting access to the most cutting-edge care and treatment.

UCSF is also San Francisco's second-largest employer — attracting talented faculty and staff who mirror the energy and entrepreneurial spirit of the Bay Area. Their ability to recruit top talent leads to a constant influx of new ideas and approaches across each of our missions: research, patient care and education.

Website: <http://memory.ucsf.edu>

City: San Francisco / CA

Country: USA

Mission/Research Topics:

- Alzheimer's disease
- Corticobasal degeneration
- Creutzfeldt-Jakob disease
- Frontotemporal dementia
- Mild cognitive impairment (MCI)
- Progressive supranuclear palsy
- Vascular dementia
- Healthy ageing

USC Davis School of Gerontology & Ethel Percy Andrus Gerontology Center

About:

Founded in 1975, the USC Leonard Davis School of Gerontology is the oldest and largest school of its type in the world. They offer the most comprehensive selection of gerontology degree programs found anywhere, a variety of outstanding research opportunities and a challenging yet supportive academic environment.

As a small school rooted in a world-class research university located in the heart of one of the most important cities on earth, the USC Leonard Davis School of Gerontology—and its research and services arm, the Ethel Percy Andrus Gerontology Center—are home to today's leaders in the field, as well as to tomorrow's.

Their program studies the human lifespan by exploring the biological, psychological, sociological, political, medical and business dimensions of adult life. The curriculum is aimed at equipping future professionals in the field of aging with the specific skills and knowledge necessary to respond effectively to the needs of an aging population.

With a distinguished faculty representing various disciplines, the School is able to offer students a wide range of scientific and professional gerontology courses.

Website: <http://gero.usc.edu>

City: Los Angeles / CA

Country: USA

Mission/Research Topics:

- Demography
- Molecular biology
- Neuroscience
- Psychology
- Public policy
- Sociology

USC/UCLA Center of Biodemography & Population Health (CBPH)

About:

The USC/UCLA Center on Biodemography and Population Health (CBPH) is a multisite center located at the Andrus Gerontology Center of the University of Southern California and the Program in Geriatric Medicine in the School of Medicine of the University of California at Los Angeles. It is one of 14 centers in the Demography and Economics of Aging Centers Program sponsored by the National Institute on Aging (NIA).

The primary purpose of the CBPH is to provide a synergistic research environment for the integration and translation of research findings from a variety of disciplines to understand population health. The Center takes a multidisciplinary approach by linking demographers, biologists, economists, psychologists, epidemiologists, health policy specialists, medical researchers and clinical geriatricians. This integration of biological, epidemiologic and medical risk information which characterizes Center research is fundamental to understanding and projecting demographic trends and differences in population health.

Website: <http://gero.usc.edu/CBPH/>

City: Los Angeles / CA

Country: USA

Mission/Research Topics:

- Provide a synergistic research environment for the integration and translation of research findings from a variety of disciplines to understand population health.
- Link demographers, biologists, economists, psychologists, epidemiologists, health policy specialists, medical researchers and clinical geriatricians. U
- Understanding and projecting demographic trends and differences in population health.