



National Institutes
of Health

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U.S. Department of Health and Human Services

**Geroscience Interest Group
Summit III**

Targeting Chronic Diseases Through Geroscience

*November 4- 5, 2019
Natcher Conference Center, NIH*

Meeting Objectives

Aging itself is by far the greatest risk factor for most chronic diseases and disabilities which affect older adults. While recent basic research and clinical trials addressing individual diseases has led to increases in life expectancy, this has not always been accompanied by a parallel increase in healthspan, the portion of life spent in good health.

The Geroscience hypothesis posits that since aging physiology plays a role in many – if not all – chronic diseases, therapeutically addressing aging physiology directly will prevent the onset or mitigate the severity of multiple chronic diseases. Thus, the aims of Geroscience are to understand how aging enables diseases and to exploit that knowledge to slow the appearance and progression of age-related diseases and disabilities.

Through developing a deeper understanding of the major underlying causes of age-related vulnerability to chronic disease, Geroscience aims to improve overall health in our later years. Interventions that slow the aging process would dramatically lower health care costs and have societal benefits that are unmatched by the cure of any single disease.

The third Geroscience Summit organized by the trans-NIH Geroscience Interest Group (GSIG) will provide a forum for novel interactions between disease-focused professional societies and foundations, the academic community involved in geroscience research, and drug-discovery groups looking to develop therapies against aging and age-related diseases. The focus will be on drawing the attention of professional societies focused on specific age-related diseases to the emerging field of geroscience and its potential role in combating those diseases.

Specific goals are to:

- Ensure that participants are aware of the potential role of aging biology as a major risk factor in the etiology of the age-related disease of their focus, and the potential benefits of geroscience approaches for treatment of those diseases.
- Identify ways in which advocacy groups, research societies, or foundations can leverage the emerging field of geroscience to support their mission and patient populations.
- Survey the current status of regulatory issues related to geroscience.

Planning Committee

Kristin Abraham, PhD (NIDDK)

Johanna Dwyer, DSc (NIH/OD)

Jovier Evans, PhD (NIMH)

Leslie Frieden, PhD (NIDCR)

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National Cancer Institute (NCI), National Center for Complementary and Integrative Health (NCCIH), National Eye Institute (NEI), National Heart Lung and Blood Institute (NHLBI), National Institute on Aging (NIA), National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institute of Dental and Craniofacial Research (NIDCR), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institute of Mental Health (NIMH), National Institutes of Health, Office of the Director (NIH OD)

Agenda – Day 1

8:00AM – 8:30AM **Registration**

8:30AM – 8:45AM **Welcoming Remarks**

Opening Remarks and Orientation *5 minutes*

Francis Collins (Director, NIH) *10 minutes*

8:45AM – 10:15AM **Session I: Principles of Geroscience**

Co-Chairs: Paige Green (NCI)
Felipe Sierra (NIA)

Felipe Sierra (NIA) *10 minutes*

Anne Newman (University of Pittsburgh) *10 minutes*

Terrie Moffitt (Duke University) *10 minutes*

Gordon Lithgow (Buck Institute for Aging Research) *10 minutes*

Panel Discussion: 50 minutes

10:15AM – 10:45AM **Break**

10:45AM – 12:15PM **Session II: Advances in Basic Biology**

Co-Chairs: Ron Kohanski (NIA)
Youngsuk Oh (NHLBI)

Luigi Ferucci (NIA) *12 minutes*

Helen Blau (Stanford University) *12 minutes*

Michael Seffen Kobor (University of British Columbia) *12 minutes*

Darren Baker (Mayo Clinic) *12 minutes*

Beth Levine (Texas Southwestern Medical School) *12 minutes*

Panel Discussion: 30 minutes

12:15PM – 1:15PM **Lunch**

1:15PM – 2:45PM Session III: Successful Partnerships

**Co-Chairs: Kristin Abraham (NIDDK)
 Johanna Dwyer (NIH OD)**

**Keynote: Joseph Menetski (Foundation for the National Institutes of Health) *20 minutes*
Cyndy B. Cordell (Global Alzheimer’s Platform Foundation) *15 minutes*
Steven Clauser (Patient-Centered Outcomes Research Institute) *15 minutes*
Debra Reed-Gillette (Centers for Medicare & Medicaid Services) *15 minutes***

Panel Discussion: 25 minutes

2:45PM – 3:15PM Break

3:15PM – 5:00PM Session IV: Opportunities I

**Co-Chairs: Jovier Evans (NIMH)
 Kevin Howcroft (NCI)**

**Russell Shilling - American Psychological Association *5 minutes*
Diane Bovenkamp - BrightFocus Foundation *5 minutes*
Olivia Okereke - American Association for Geriatric Psychiatry *5 minutes*
Stephen Rose - Foundation Fighting Blindness *5 minutes*
Alison Steiber - Academy of Nutrition and Dietetics *5 minutes*
Shelley Fuld Nasso - National Coalition for Cancer Survivorship *5 minutes*
Heidi D. Klepin - American Society of Clinical Oncology *5 minutes*
Douglas P. Kiel - American Society of Bone and Mineral Research *5 minutes*
Jennifer Westendorf - Orthopedic Research Society *5 minutes*
Sue Peschin - The Alliance for Aging Research *5 minutes***

Panel Discussion: 45 minutes

Agenda – Day 2

8:00AM – 8:30AM **Registration**

8:30AM – 8:35AM **Opening Remarks and Orientation**

8:35AM – 10:00AM **Session V: Advances on Interventions**

Co-Chairs: Chamelli Jhappan (NCI) and Gayle Lester (NIAMS)
Kristy Nicks (NIAMS) and Yisong Wang (NCCIH)

James Kirkland (Mayo Clinic) *12 minutes*

Eric Verdin (Buck Institute for Aging Research) *12 minutes*

Thomas Rando (Stanford University) *12 minutes*

Joan Mannick (resTORbio) *12 minutes*

Mary Goldring (Hospital for Special Surgery) *12 minutes*

Panel Discussion: 25 minutes

10:00AM – 10:30AM **Break**

10:30AM – 12:15PM **Session VI: Opportunities II**

Co-Chairs: Leslie Frieden (NIDCR)
Mercy Prabhudas (NIAID)

Marc W. Heft - American Association for Dental Research *5 minutes*

Marcelo Araujo - American Dental Association *5 minutes*

Gwen Nichols - Leukemia and Lymphoma Society *5 minutes*

Rita Kalyani - American Diabetes Association *5 minutes*

Sarah Ohlhorst - American Society for Nutrition *5 minutes*

Kathryn Richmond - Allen Institute *5 minutes*

Wilson Tang - Heart Failure Society of America *5 minutes*

James Appleby - The Gerontological Society of America *5 minutes*

Stephanie Lederman - American Federation for Aging Research *5 minutes*

Jacques Banchereau - Federation of Clinical Immunology Societies *5 minutes*

Panel Discussion: 45 minutes

12:15PM – 1:30PM **Lunch**

1:30PM – 3:15PM Session VII: Biotech and Implementation

**Co-Chairs: Ron Kohanski (NIA)
 Gayle Lester and Kristy Nicks (NIAMS)**

Farshid Guilak (Wash Univ.)	12 minutes
Marco Quarta (Rubedo Life Sci.)	12 minutes
Livia Brier (Valitorbio)	12 minutes
Anthony Oliva (Longeveron)	12 minutes
Tony Ratcliffe (Synthasome)	12 minutes
Kelsey Moody (Ichor Therapeutics)	12 minutes

Panel Discussion: 33 minutes

3:15PM – 3:45PM Break

3:45PM – 5:00PM Session VIII: A Look to the Future

**Co-Chairs: Evan Hadley (NIA)
 Francesca Macchiarini (NIA)**

Cynthia Kenyon (Calico)	30 minutes
Tom Kalil (Schmidt Futures)	30 minutes

Closing Remarks

Richard Hodes (Director, NIA)