



**NATIONAL INSTITUTE ON AGING
BOARD OF SCIENTIFIC COUNSELORS
Laboratory of Molecular Gerontology (LMG),
Translational Gerontology Branch (TGB), Off-Cycle Review, and Concepts**

Tuesday, October 13, 2020

- 8:00 a.m.** EXECUTIVE SESSION* (Virtual)
Opening Remarks, *Richard J. Hodes, M.D., NIA Director, and Luigi Ferrucci, M.D., Ph.D., Scientific Director, NIA*
Board Business, *Ana Maria Cuervo, M.D., Ph.D., Chairperson*
- 8:45 a.m.** **Laboratory of Molecular Gerontology (LMG)- Overview**
Vilhelm Bohr, M.D., Ph.D., Laboratory Chief, Senior Investigator, LMG
- 9:00 a.m.** **Discussion**
- 9:15 a.m.** **“DNA damage leads to mitochondrial dysfunction in aging and neurodegeneration”**
Vilhelm Bohr, M.D., Ph.D., Laboratory Chief, Senior Investigator, LMG
- 9:45 a.m.** **Discussion**
- 10:15 a.m.** **“Molecular-genetic roles of helicases to suppress aging and human disease”**
Robert Brosh, Ph.D., Senior Investigator, LMG
- 10:45 a.m.** **Discussion**
- 11:15 a.m.** **Drs. Bohr and Brosh meet individually and privately with BSC members***
- 11:35 a.m.** EXECUTIVE SESSION* (Virtual)
- 1:00 p.m.** **“Molecular basis and intervention of telomere dysfunction in aging and telomere biology disorders”**
Yie Liu, Ph.D., Senior Investigator, LMG

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- 1:30 p.m.** **Discussion**
- 2:00 p.m.** **“Replisome remodeling in response to replication stress”**
Michael Seidman, Ph.D., Senior Investigator, LMG
- 2:30 p.m.** **Discussion**
- 3:00 p.m.** **Drs. Liu and Seidman meet individually and privately with BSC members***
- 3:20 p.m.** **BSC members to meet with Fellows from LMG***
- 4:00 p.m.** **EXECUTIVE SESSION* (Virtual)**
- 5:30 p.m.** **Laboratory/Branch Chief Leadership Overview*§**
Vilhelm Bohr, M.D., Ph.D., Laboratory Chief, Senior Investigator, LMG
- 5:45 p.m.** **Discussion with the Laboratory/Branch Chief*§**
- 6:00 p.m.** **Leadership Review Discussion*§**
- 6:15 p.m.** **Adjourn**

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Wednesday, October 14, 2020

- 8:00 a.m.** **EXECUTIVE SESSION*** (Virtual)
Opening Remarks, *Richard J. Hodes, M.D., NIA Director, and Luigi Ferrucci, M.D., Ph.D., Scientific Director, NIA*
Board Business, *Ana Maria Cuervo, M.D., Ph.D., Chairperson*
- 8:30 a.m.** **Translational Gerontology Branch (TGB)- Overview**
Rafael de Cabo, Ph.D., Laboratory Chief, Senior Investigator, TGB
- 8:45 a.m.** **Discussion**
- 9:00 a.m.** **“Epigenetic alterations of hematopoietic stem cells (HSCs) during caloric restriction” (2nd Review, NOT Tenure Conversion)**
Isabel Beerman, Ph.D., Earl Stadtman Tenure Track Investigator, TGB
- 9:30 a.m.** **Discussion**
- 10:00 a.m.** **“Nonhuman primates, the core of translation”**
Julie Mattison, Ph.D., Staff Scientist (Facility Head), Non-Human Primate Unit
- 10:30 a.m.** **Discussion**
- 11:00 a.m.** **“Study of Longitudinal Aging in Mice and interventions for healthy aging: drugs, calories, and fasting”**
Rafael de Cabo, Ph.D., Senior Investigator, TGB
- 11:30 a.m.** **Discussion**
- 12:00 p.m.** **Drs. Beerman, Mattison, and de Cabo meet individually and privately with BSC members***

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- 12:30 p.m.** EXECUTIVE SESSION* (Virtual)
- 2:00 p.m.** BSC members to meet with Fellows from TGB*
- 2:45 p.m.** “Developing new treatment strategies for age-related neurodegenerative disorders”
Nigel Greig, Ph.D., Senior Investigator, TGB
- 3:15 p.m.** Discussion
- 3:45 p.m.** Dr. Greig meets individually and privately with BSC members*
- 3:55 p.m.** BREAK
- 4:15 p.m.** “Hypoxia response and mitochondrial function are hallmarks of aging and drive alternative splicing”
Luigi Ferrucci, M.D., Ph.D., Senior Investigator, TGB
- 4:45 p.m.** Discussion
- 5:15 p.m.** Dr. Ferrucci meets individually and privately with BSC members*
- 5:25 p.m.** EXECUTIVE SESSION* (Virtual)
- 6:30 p.m.** Laboratory/Branch Chief Leadership Overview*§
Rafael de Cabo, Ph.D., Laboratory Chief, Senior Investigator, TGB
- 6:45 p.m.** Discussion with the Laboratory/Branch Chief*§
- 7:00 p.m.** Leadership Review Discussion*§
- 7:15 p.m.** Adjourn

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Thursday, October 15, 2020

- 8:00 a.m.** **EXECUTIVE SESSION*** (Virtual)
Opening Remarks, *Richard J. Hodes, M.D., NIA Director, and
Luigi Ferrucci, M.D., Ph.D., Scientific Director, NIA*
Board Business, *Ana Maria Cuervo, M.D., Ph.D., Chairperson*
- 8:30 a.m.** **“Exosomes in Alzheimer’s disease: biomarkers and beyond” (Off-Cycle
Review, Tenure Conversion Decision)**
*Dimitrios Kapogiannis, M.D., Tenure Track Investigator (Clinical),
Laboratory of Clinical Investigation (LCI)*
- 9:00 a.m.** **Discussion**
- 9:30 a.m.** **Dr. Kapogiannis meets individually and privately with BSC members***
- 9:45 a.m.** **“Keeping the BLSA relevant”**
*Luigi Ferrucci, M.D., Ph.D., Senior Investigator, TGB
Eleanor Simonsick, Ph.D., Epidemiologist, TGB (co-presenter)*
- 10:15 a.m.** **Discussion**
- 10:45 a.m.** **“Understanding two novel factors related to motor impairment in the
development of dementia: UK Biobank project” (AD CONCEPT)**
*Luigi Ferrucci, M.D., Ph.D., Senior Investigator, TGB
Qu (Teresa) Tian, Ph.D., Staff Scientist, TGB (co-presenter)*
- 11:00 a.m.** **Discussion**

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- 11:15 a.m.** **Investigation of roles of topoisomerase 3b in Alzheimer’s disease and tauopathy-associated neurodegeneration (AD CONCEPT)**
Weidong Wang, Ph.D., Senior Investigator, Laboratory of Genetics and Genomics (LGG)
- 11:30 a.m.** **Discussion**
- 11:45 a.m.** **EXECUTIVE SESSION* (Virtual)**
Final discussion of all Principal Investigators reviewed on all days.
- 1:30 p.m.** **Adjourn**

** Closed to the Public*

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