

Program for the 4rd Annual ADAR Summit November 9-10, 2021

*A Virtual Gathering and Sharing
With support from the National Institute on Aging R13AG066389*



Link to register and receive Zoom:

<https://berkeley.zoom.us/meeting/register/tJMqcuuqrD4jGdc49-c-msa3qwrjSzsJjaSo>.

Note: UC Berkeley requires that all participants are logged into their zoom account. We also recommend that you are upgraded to the most recent version of zoom (5.8.0) to take full advantage of the break-out rooms and added security.

ALL TIMES ARE PACIFIC STANDARD TIME

Tuesday, November 9

8:45-9:00: Zoom room opens up

9:00-9:05 Welcome – Leora Lawton, Demography and Berkeley Population Center, UC Berkeley.

9:05-9:15 Cerise Elliott, NIA Program Officer: “Overview of the ADAR MSTEM Program”

9:15-10:00 Guest speaker: Alissa Richmond Armstrong, Assistant Professor, University of South Carolina, Dept. of Biological Sciences.

10:00 -10:30 Maria Carranza, NIA Training Officer “NIA Training and Career Development Opportunities.”
Q&A moderated by Leora Lawton.

Short break – 10 minutes to stretch

10:30-11:30 Student Presentations.

Students are assigned to groups to present their work in 10 minute presentations. There will be questions for group discussion after Q&A: introducing each other, their own path.

Group 1: Interventions

- Mahnoor Baig, University of Illinois at Chicago: “Utilizing AM-PAC Score and Age to Define Potential Overutilization of PT Consults”
- Juliette Kline and Anchee Nitschke Durben, St. Catherine University: “Critical Analysis: Barriers and Opportunities for Addressing Oral Health Equity Issues”

- McKenna Paluck, St. Catherine University: “Expanding Prenatal Telehealth to Reduce Disparities in Maternal and Fetal Outcomes”
- Michelle Hefner, Colorado State University: “Associations Between COVID-19 Vaccine Hesitancy and Socio-spatial Factors in NYC Transit Workers 50 Years and Older”

Group 2: Biology & health

- Addison Ali, University of California, Davis: “Acetylation of Tau Induces Alzheimer’s Disease-Associated Tau in Transgenic Mice”
- Tayla Hunter, Howard University: “Over-Expressing hsf-1 in Glia Negatively Affects Reproductive Function in *C. elegans*”
- Mariah Calubag, University of Wisconsin-Madison. “Short-term dietary branched-chain amino acid restriction has persistent metabolic health benefits”

Group 3: Depression & Relationships

- Alex Dang, West Virginia University: “Montani Semper Liberi: Linking Veteran Status and Depression By Age in West Virginia”
- Jennifer De Anda, San Diego State University: “Effects of Tinnitus on Cognition and Depressive Symptoms Over Time”
- Stella Garriga, Columbia University: “Social Support as a moderator as Moderators of the Relationship Between Subjective Cognitive Decline and Cognition”

Group 4: Diseases

- Rehgna Miller, University of South Carolina: “Aryl Hydrocarbon Receptor (AhR) ligands (Resveratrol, TCDD, FICZ) – regulated immune suppression/ inflammation”
- Parish Bracha, UC Davis: “Modeling Huntington's Disease in 3-D Striatal Organoids”
- Damien George University of South Carolina: “The Role of Antibiotics in Early Onset Colorectal Cancer (EOCRC) in a Mouse Model of CRC”
- Akosua Biritwum, Howard University: “Confirming a *Drosophila melanogaster* model of huntingtin aggregation”

11:30-12:30 Break for lunch

12:30-1:00 Dr. Ericka Boone, NIH Director, Division of Loan Repayment, will talk about the Imposter Syndrome. She will give a half hour presentation on the topic, and then those who wish to break into smaller groups for discussion can do so. Others may choose to join a different topic. Break-out groups are headed by PIs and/or former ADAR trainees.

1:00 – 1:30 pm Break Out Small Group Discussions Session I

1. Imposter Syndrome – Facilitators: Ericka Boone NIH; Marci Myers, Professor of Biology, St. Catherine University.
2. Applying to Graduate School – Facilitators: Dominik Aylard, Graduate Student, Molecular & Cell Biology, UC Berkeley; Lily Rahnema, Graduate Student, Molecular and Cell Biology, UC Berkeley; Archana McEligot, Professor, Department of Public Health, California State University Fullerton; Maureen Schmitter-Edgecombe, Regents Professor of Psychology, Washington State University.
3. Pursuing work experience before grad school – Facilitators: Cerise Elliott, NIA.

4. Career paths with a PhD: Facilitators: Leora Lawton, UC Berkeley.

1:30- 2 pm Break Out Small Group Discussions Session II

5. Integrating cultural and academic identities. – Facilitator: Feion Villodas, San Diego State University
6. Applying to Graduate School – Facilitators: Dominik Aylard, Graduate Student, Molecular & Cell Biology, UC Berkeley; Lily Rahnema, Graduate Student, Molecular and Cell Biology, UC Berkeley; Archana McEligot, Professor, Department of Public Health, California State University Fullerton); Maureen Schmitter-Edgecombe, Regents Professor of Psychology, Washington State University.
7. Pursuing work experience before grad school – Facilitators: Cerise Elliott, NIA.
8. Open topic: Have an issue that doesn't fit? Join this session and ask. Facilitator: Leora Lawton (UC Berkeley).

Wednesday November 10

8:45-9:00: Zoom room opens up

9:00-9:05 Leora Lawton, UCB, Introductory comments to Day #2.

9:05-9:20 Dr. Marishka Brown, Director, National Center on Sleep Disorders Research, NHLB - "From Graduate School to Coordinating the National Sleep Research Agenda"

9:20-9:35 Yuan Luo, NIA, Program Director, Division of Neuroscience: "Introducing New ADAR Awardees and NIA Fundings for ADRD Research"

9:35-10:15 New ADAR Programs: Talks by the most recent PIs on their own programs

- Archana McEligot, California State University Fullerton. "Development of ADRD Multimedia Education for Undergraduate Students at HSIs and MSIs."
- Julie Patrick, West Virginia University. "Appalachia Gerontology Experiences - the AGE-ADAR Program"

10:15-10:25 Short break

10:30-11:00 Panel of ADAR (2) alumni. 10 min presentations each. 10 min Q&A, moderated.

1. Caitlyn Fastenau, PhD candidate, Biology of Aging, Univ. of Texas Health Science Center San Antonio.
2. Elizabeth Thompson, PhD candidate, Biomedical Sciences/Cancer, Rockefeller University "A graduate student's (and podcaster's) journey from axon regeneration to cancer"

11:00-11:45 Keynote Speaker –Professor Roland Thorpe, Johns Hopkins University. "A Career in Minority Aging Research: A Dream Realized."

11:45 -12:55 Student Presentations

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Group 5: Cognitive Functioning

- Alan Gonzalez and Jovany Soto, University of Chicago: "Do Resting Metabolic Rate and Body Composition Predict 1-Year Frailty Decline?"

- Niser Babiker, University of Chicago: "African-American Race Predicts 1-Year Cognitive Decline Among Adults Without Moderate Dementia"
- Camila Romero, West Virginia University: "Age, Body Mass Index (BMI) And Cognitive Difficulties In Appalachian West Virginia"
- Lourdes Romero, Washington State University: "The Impact of Mood States on Executive Functioning in a Real-World Planning Task with Older Adults"

Group 6: Health disparities

- Anjelynt Lor, St. Catherine University: "Gender disparities in Healthy Aging: A cross-national comparative study in the United States and South Korea"
- Majayla Page, University of South Carolina: "Racial Differences in Comorbid Conditions for Vascular Dementia Cases in South Carolina"
- Maikel Mansour, University of Pennsylvania: "Whenever you're ready to talk about": Prompts and barriers to inclusive family sex communication with gay, bisexual and queer sons"

Group 7: Genes

- Ricardo Nunez-Medina, Palm Beach Atlantic University: "Alternative splicing of Caenorhabditis elegans insulin receptor leads to truncated isoform DAF-2B expression in vivo"
- Tavia Roache, Howard University. "Consequences of Genomic DNA Mono-Ribonucleotides for Chromosomal Stability"
- Chelsey Jones, Howard University: "Designing a Genetic Screen to Identify Factors Required for Meiotic Nuclear Rejuvenation"
- Millie Ortiz, St. Catherine University: "Investigating the Effects of Phosphorylation Residues Tyrosine-701 and Serine-727 on STAT 1 in Ovarian Cancer"

Group 8: Biological Aging

- Vincent Castillo, University of California, Davis: "The Role of Aging and Advanced Diabetes on Pancreatic Alpha Cell Responsiveness"
- Niaya James, Howard University: "Impact of APOE Genotype on Diet-induced Mitochondrial Adaptations in Mouse Skeletal Muscle"
- Temiloluwa Adanlawo, Howard University: "Genomic Sequencing of sod1D Yeast That Escape Spore Death"
- Teresa Warren, San Diego State University: "Concurrent and Predictive Associations between the Life's Simple 7 and Brain Morphometry in Middle-Age and Early Old Age"

12:55 Closing remarks by Leora Lawton, UC Berkeley.

2:00. Pls meet again for a recap and meeting. Cocktails, wine and beer optional 😊