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| **Workshop: Is there a causative role for infectious agents in Alzheimer’s Disease?**  **National Institute on Aging**  **Division of Neuroscience**  **October 5-6, 2021**  The goal of this workshop is to discuss whether microbial pathogens may represent a causal component of Alzheimer’s disease, review knowledge gaps, and establish scientific priorities to address these gaps.  Draft Agenda | | |
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| **DAY ONE** | | |
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| 10:00 a.m. | Welcome Remarks | Eliezer Masliah (NIA) |
| 10:10 a.m. | Workshop Objectives | NIA DN Staff |
| **Keynote** | | |
| 10:20 - 10:55 a.m. | The Antimicrobial Protection Hypothesis of Alzheimer’s Disease | Rudolph Tanzi  (Harvard University) |
| Break– 5 min | | |
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| **Session I: Herpes simplex and Alzheimer’s Disease – the epidemiological perspective**  **Session Chair:**  **Steven Jacobson** | | |
| 11:00 a.m. | Herpes virus infections, antiviral treatment and Alzheimer's disease | Hugo Lövheim  (Umeå University, Sweden) |
| 11:15 a.m. | Association of herpesvirus diagnosis, anti-herpesviral treatment and herpesvirus vaccination with dementia | Christian Schnier  (University of Edinburgh, UK) |
| 11:30 a.m. | Interrogating the brain microbiome in Alzheimer’s disease: Challenges and opportunities | Benjamin Readhead  (Arizona State University) |
| 11:45 a.m. | Human Herpesvirus 6 detection in Alzheimer's disease cases and controls across multiple cohorts | Steven Jacobson  (NINDS IRP, NIH) |
| 12 – 12:30 pm | **Moderated Discussion** | Moderator: Steven Jacobson  (NINDS IRP, NIH) |
| Lunch Break – 30 min | | |
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| **Session II: Herpes Viruses and Alzheimer’s Disease -The Debate Continues**  **Session Chair: Maria Nagel** | | |
| 1:00 p.m. | Amyloid beta and HSV1: A model for examining infection and innate immunity in Alzheimer's Disease | William Eimer  (Harvard University) |
| 1:15 p.m. | Testing the hypothesis on viral etiology of late onset Alzheimer's disease | Ilia Baskakov  (University of Maryland) |
| 1:30 p.m. | Exposure to Infectious Agents and Cognitive Function: the Baltimore Epidemiologic Catchment Area Study Follow-Up | Adam Spira  (Johns Hopkins Bloomberg School of Public Health) |
| 1:45 p.m. | The potential role of Bacteroides in Alzheimer’s disease | Laura Cox  (Harvard) |
| 2:00 p.m. | Enterobacterial infections as drivers of tauopathies | Irene Salinas  (University of New Mexico) |
| 2 – 2:30  p.m. | **Moderated Discussion** | Moderator: Maria Nagel  (University of Colorado) |
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| ADJOURN DAY ONE | | |
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| **DAY TWO** | | |
| **Session III: Pathogens and Alzheimer’s Disease - Is there evidence for causation?**  **Session Chair: Adam Spira** | | |
| 9:55 a.m. | Welcome to Day Two | NIA DN Staff |
| 10:00 a.m. | Single-cell dissection of pathogen-associated changes in Alzheimer's Disease | Manolis Kellis  (MIT) |
| 10:15 a.m. | Periodontal disease and cognitive aging in a multiethnic cohort: Findings from the Washington Heights-Inwood Columbia Aging Project (WHICAP) Ancillary Study of Oral Health | James Noble  (Columbia University) |
| 10:30 a.m. | Porphyromonas gingivalis in Alzheimer's disease brains: Evidence for disease causation and treatment with small-molecule inhibitors | Stephen Dominy  (Cortexyme, Inc.,  San Francisco) |
| Break – 15 min | | |
| 11:00 a.m. | Clearance of amyloid beta in Toxoplasma-infected murine models of Alzheimer’s disease | Melissa Lodoen  (UC Irvine) |
| 11:15 a.m. | Microglia, genetics and pathogens in AD | Elisabeth Bradshaw  (Columbia University) |
| 11:30 a.m. | Cerebrospinal fluid immunity in Alzheimer’s disease | David Gate  (Northwestern University) |
| 11:45 -  12:15 a.m. | Moderated Discussion | Moderator: Adam Spira  (Johns Hopkins Bloomberg School of Public Health) |
| Lunch Break- 30 min | | |
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| **Session III (cont.): Pathogens and Alzheimer’s Disease - Is there evidence for causation?**  **Session Chair: Avindra Nath** | | |
| 12:45 p.m. | HIV/AIDS and Alzheimer’s Disease | Eliezer Masliah |
| 1:00 p.m. | Virus and olfactory system interactions accelerate Alzheimer’s disease pathology | Maria Nagel  (University of Colorado) |
| 1:15 p.m. | HHV6A and Alzheimer’s disease | Chris Proschel  (University of Rochester) |
| Break 15 min | | |
| 1:45 p.m. | Effects of Chlamydia pneumoniae infection on the brain and retina in Alzheimer’s Disease | Timothy Crother and Maya Koronyo-Hamaoui  (Cedars-Sinai Medical Center) |
| 2:00 p.m. | Polymicrobial “Lichenoid” Cerebritis in Alzheimer’s Disease and Preclinical Models | David Corry  (Baylor College of Medicine) |
| 2:15 p.m. | Repurposing of existing vaccines for Alzheimer’s prevention | Svetlana Ukraintseva  (Duke University) |
| 2:30 -3:00 pm | **Moderated Discussion** | Moderator: Avindra Nath  (NINDS, IRP) |
| Break 10 min | | |
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| 3:10 pm | **Synthesis by Moderators** |  |
| 3:40 pm | **Final discussion** | Mack Mackiewicz |
| 4:10 pm | **Closing Remarks** | Eliezer Masliah |
| MEETING ADJOURNS | | |

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