DAY 1: Monday, October 2

Opening Session
8:00am–8:30 Co-Chairs Welcome Heather Whitson, Frank Lin
8:30–8:55 Plenary: Visual and auditory systems Cynthia Owsley, Nina Kraus

Topic 1: Comorbid Sensory and Cognitive Impairment: What We Do (Not) Know
9:00am–9:15 Defining the “triple threat”: Frequency of co-occurrence and notable disparities Karen Cruickshanks
9:15–9:30 Consequences of co-existing sensory and cognitive impairment for older adults David Bennett
9:30–9:45 Risk factors for neurodegeneration of brain, eyes, and ears: from societal to genetic Luigi Ferrucci
9:45–10:00 Evidence for a causal link between age-related sensory loss and brain changes? Marilyn Albert
10:10–10:40 Moderated discussion on gaps and future directions Jonathan Peelle, Bonnielin Swenor
10:40–11:00 Break

Topic 2: Sensory Loss and the Aging Brain
11:00–11:15 Plasticity and the aging brain Caterina Rosano
11:15–11:30 Animal models of sensory loss and brain Gregg Recanzone
11:30–11:45 Animal models of cognition and cognitive assessment Carol Barnes
11:45–12:00 Changes in the human brain with vision loss Alice Cronin-Golomb
12:00pm–12:15 Changes in the human brain with hearing loss Anu Sharma
12:15–12:45 Moderated discussion on gaps and future directions Grover Gilmore, Kristine Yaffe
12:45–1:45 Lunch and Networking – Mentors Sit with Mentees
**Topic 3: Bench to Bedside Innovations and Opportunities**

1:45–2:00  Shared mechanisms underlying age-related change in cognition/vision/hearing?  [Susan Resnick](#)

2:00–2:15  Therapy: targets and approaches to improve cognitive & sensory outcomes  [Kirk Erikson](#)

2:15–2:30  Innovative care models: delivering “whole person care” and reducing disparity  [Sara Mamo](#)

2:30–2:45  Restorative sensory care for seniors: impact on cognitive aging?  [David Knopman](#)

2:45–3:00  New tools for assessment that account for comorbidity  [Molly Wagster](#)

3:00–3:30  Moderated discussion on gaps and future directions  [Carl Cotman, Walter Wittich](#)

3:30–4:00  Break

4:00–5:15  **Small Group Discussions**

- Multimodal assessment (need for toolkits, protocols for task-based fMRIs, adding outcomes to trials)
- Disparities (racial/socioeconomic disparities; sensory/cognitive changes as a source of disability)
- Challenges to translation/implementation (consider 2016 IOM reports on hearing and vision health, resource needs)
- Common pathways and mechanisms (neuro-inflammation, vascular disease, neurotoxicity)

6:30–9:00  **Reception and Dinner** (potential poster session where junior investigators would present)

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**DAY 2: Tuesday, October 3**

7:30am–8:30  **Breakfast and One-on-one Mentee/Mentor Meetings**

**Moving the Field Forward: Priorities, Agenda-setting, Wrap-up**

8:30–9:00  Panel w/ co-sponsors, stakeholders, possibly a patient representative

9:00–10:30  Small groups provide 10-minute reports from each break-out group

10:30–11:15  Moderated discussion on agenda-setting and prioritizing

11:15–12:00pm  Wrap-up, final remarks, evaluations

(Dismissal of those not involved in Rising Stars Session)

**Rising Stars: Afternoon Session for Junior Investigators**

12:00–1:00  **Lunch/Networking**

1:00–2:00  Getting to Know Your Allies and Opportunities

Panel of representatives: NIA, NINDS, NEI, AHRQ, AGS (GEMSSTARS)

2:00–3:00  Hands-on mentoring workshop

Opportunity to share Specific Aims page and/or discuss key topics including building a mentoring team and work-life balance

3:00–3:30  Evaluations, action item postcards, adjourn
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