

**U13 Bedside-to-Bench Conference Series  
Sensory Impairment and Cognitive Decline**

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October 2 – 3, 2017  
Bethesda North Marriott Hotel and Conference Center  
White Oak A & B

**DRAFT Conference Agenda and Speakers**

**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? <b>Susan Resnick</b>
2:00–2:15	Therapy: targets and approaches to improve cognitive & sensory outcomes <b>Kirk Erikson</b>
2:15–2:30	Innovative care models: delivering “whole person care” and reducing disparity <b>Sara Mamo</b>
2:30–2:45	Restorative sensory care for seniors: impact on cognitive aging? <b>David Knopman</b>
2:45–3:00	New tools for assessment that account for comorbidity <b>Molly Wagster</b>
3:00–3:30	Moderated discussion on gaps and future directions <b>Carl Cotman, Walter Wittich</b>
3:30–4:00	<b>Break</b>
4:00–5:15	<b>Small Group Discussions</b> <ul style="list-style-type: none"><li>– <u>Multimodal assessment</u> (need for toolkits, protocols for task-based fMRIs, adding outcomes to trials)</li><li>– <u>Disparities</u> (racial/socioeconomic disparities; sensory/cognitive changes as a source of disability)</li><li>– <u>Challenges to translation/implementation</u> (consider 2016 IOM reports on hearing and vision health, resource needs)</li><li>– <u>Common pathways and mechanisms</u> (neuro-inflammation, vascular disease, neurotoxicity)</li></ul>
6:30–9:00	<b>Reception and Dinner</b> (potential poster session where junior investigators would present)

### **DAY 2: Tuesday, October 3**

7:30am–8:30	<b>Breakfast and One-on-one Mentee/Mentor Meetings</b>
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### **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 Investigator Travel Awardees**

12:00–1:00	<b>Lunch/Networking</b>
1:00–2:00	Getting to Know Your Allies and Opportunities Panel of representatives: NIA, NINDS, NEI, AHRQ, AGS (GEMMSTARS)
2:00–3:00	Hands-on mentoring workshop Specific Aims page workshop or roundtables on key topics (building a mentoring team, work-life balance)
3:00–3:30	Evaluations, action item postcards, adjourn

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