NEW Brain Aging Center

UNIVERSITY of ROCHESTER · Duke · UCSC · JOHNS HOPKINS UNIVERSITY · Stanford University

FELLOWSHIP SCHEDULE

	FRI 11.10	SAT 11.11	SUN 11.12	MON 11.13	TUE 11.14
8 AM	BREAKFAST				
8:30AM	OPENING REMARKS				
9 AM					
9:30AM					
10 AM	PANEL 1				
10:30 AM					
11 AM					
11:30 AM					
12 PM	LUNCH AND AWARDEE PRESENTATION	LUNCH	LECTURE: CAMILLA BELLONE	LUNCH	
12:30 PM					
1 PM					
1:30PM					
2PM	PANEL 2				
2:30PM					
3 PM	BREAK				
3:30PM	PANEL 3		LECTURE: HUDA AKIL		LECTURE: HEE-SUP SHIN
4 PM					
4:30PM					
5 PM	CLOSING REMARKS			6PM: SOCIAL EVENT	

Preconference Details

Location: Hyatt Place Washington DC/ Whitehouse, 1522 K St NW, Washington, DC

Detailed Schedule	Talk Details
8:00 - Breakfast	Breakfast will be served in the conference room.
8:45 - Opening Remarks and Introduction	Opening remarks by NEW Brain Aging Co-Director Yeates Conwell
PANEL ONE 9:15 - 9:30 - Talk 1.1	Panel One Central Topic: How to study emotional wellbeing in cross-species behavioral neuroscience research? Talk by NEW Brain Aging Co-Director Vankee Lin
9:35 - 9:50 - Talk 1.2	Talk by NEW Brain Aging Advisor Nancy J. Donovan
9:55 - 10:10 - Talk 1.3	Talk by NEW Brain Aging Co-Director Kuan Hong Wang
10:15 - Panel 1 discussion section	Panel facilitated by Matt Sutterer from National Institute on Aging
11:15 - Lunch and Awardee Presentations	Lunch will be served in the conference room. Awardees will each present.
PANEL TWO 1:30 - 1:45 - Talk 2.1	Panel Two Central Topic: Issues and methods for studying causality and, more specifically, causal inference between brain, behavior, and function Talk by Helen Lavretsky
1:50 - 2:05 - Talk 2.2	Talk by Ehsan Adeli
2:10 - 2:25 - Talk 2.3	Talk by NEW Brain Aging Executive Committee Member Yi Zuo
2:30 - Panel 2 discussion section	Panel facilitated by Nancy J. Donovan
3:00 - BREAK	
PANEL THREE 3:15 - 3:30	Panel Three Central Topic: Challenges and opportunities in cross-species translation of behavioral neuroscience research for healthy brain aging Talk by Katalin Gothard
3:35 - 3:50	Talk by Paul Marvar
3:55 - 4:10	Talk by Kerry O'Banion
4:15 - Panel 3 discussion section	Panel facilitated by NEW Brain Aging Advisor Yogita Chudasama
5:15 - Closing Remarks	Closing remarks by Erin Quinlan of the National Center for Complementary and Integrative Health (NCCIH), Janine Simmons of National Institutes of Aging

Additional Event Details

Please see below for content details and specific locations for events included in the fellowship schedule

Fellowship group events:

LUNCH: SATURDAY 11/11	LUNCH: MONDAY 11/13	SOCIAL EVENT : MONDAY 11/13
Time: 12pm-1pm Location: WCC We will gather for lunch* and have a discussion between mentors and fellows regarding career development. *Please plan to bring your own lunch	Time: 12pm-1pm Location: WCC We will gather for lunch* and have a discussion between mentors and fellows regarding topics discussed throughout SFN. *Please plan to bring your own lunch	Time: 6pm-9pm Location: PJ Clarke's Restaurant 1600 K St NW, Washington, DC 20006

Recommended Lectures:

LECTURE: CAMILLA BELLONE	LECTURE: HUDA AKIL	LECTURE: HEE-SUP SHIN
The Neurobiology of Social Interaction Sunday 11/12, 12pm-1pm WCC Hall D	**The Emotional Brain: Embracing the Complexity** Sunday 11/12, 3pm-4:30pm WCC Hall D	**I understand and share your feeling: the neurobiology of affective empathy** Tuesday 11/14 3:30pm-4:30pm WCC Hall D

MEET THE SENIOR FACULTY

YEATES CONWELL, MD

Yeates is Professor and Vice Chair, Co-Director of the Center for the Study and Prevention of Suicide and Director of the Geriatric Psychiatry Program of the Department of Psychiatry, and Director of the University of Rochester Medical Center's Office for Aging Research and Health Services.

F. VANKEE LIN, PHD

Vankee's career is devoted to understanding the neural mechanisms iof brain aging and brain plasticity, with focus on early detection and prevention of Alzheimer's. Her approach integrates cognitive theory, clinical neuroscience, and computational neuroscience - and is complemented by multi-modality neuroimaging, psychophysiology, neuropsychology, and quantitative research methods.

KUAN HONG WANG, PHD

Kuan is professor in the departments of Neuroscience and of Pharmacology and Physiology at the University of Rochester School of Medicine. His research encompasses a series of questions on the cerebral cortical circuits involved in cognitive-affective interactions and adaptive control of behaviors. He uses mouse and marmoset models for mechanistic investigation and cross-species comparison.

NANCY J. DONOVAN, MD

Nancy is a geriatric psychiatrist and researcher. She provides care for patients with late-life mood and cognitive disorders and investigates aging and Alzheimer's at MGH and clinical research interventions at BWH. Her research focuses on neurobehavioral and related brain changes in aging and early Alzheimer's, late-life neurobehavioral symptoms, as well as changes in social engagement and loneliness.

YI ZUO, PHD

Yi is a professor of Molecular, Cellular, and Developmental Biology at UC Santa Cruz. Her research aims to decipher the dynamic neural circuit in the living brain, specifically to investigating synaptic mechanisms of learning and memory, and neuronal circuits for cognitive flexibility

YOGITA CHUDASAMA, PHD

Yogita has interest in functional neuroanatomy, and specifically elucidating the brain mechanisms underlying the control of executive function. Her lab focuses on the cognitive effects of manipulating particular brain circuits. Dr. Chudasama's work places a strong emphasis on translation to understanding human brain circuits, cognition, and dysfunction observed in mental disorders.

MATT SUTTERER, PHD

Matt is a Program Director in the Behavioral and Systems Neuroscience Branch of the National Institute on Aging, where he manages a portfolio of research on neural mechanisms underlying cognitive and emotional changes and/or stability with age.

ERIN QUINLAN, PHD

Erin is a program director in the Basic and Mechanistic Research Branch of the Division of Extramural Research at the NCCIH. She oversees research grants investigating the neurobiological mechanisms of psychological approaches such as meditation and hypnosis.

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MEET THE SENIOR FACULTY

HELEN LAVRETSKY, MD

Helen is a Professor in Psychiatry at UCLA and a geriatric integrative psychiatrist with research in geriatric depression and mental health using mind-body interventions. Her research studies include investigations of psychopharmacological treatment of geriatric depression, mild cognitive impairment and use of Tai Chi and yoga for treatment and prevention of late-life mood and cognitive disorders.

EHSAN ADELI, PHD

Ehsan's research uses machine learning, computer vision, healthcare, and computational neuroscience. He works on automatic analysis of human behaviors from video and connecting behavior to the brain by analyzing MRIs. He explores explainable machine learning algorithms to understand the underlying factors of neurodegenerative and neuropsychiatric diseases and their ramifications for everyday life.

KATALIN GOTHARD, PHD

Katalin's research aims to understand the neural basis of emotion and social behavior, working with rhesus monkeys as they share social behavior and hierarchical societal organization with humans. She explores brain activity during behaviors; joint monitoring neural and autonomic activity reveals dynamic interactions in areas involved in social perception, decision-making, and control of social behaviors.

PAUL MARVAR, PHD

Paul is an Associate Professor in the Department of Pharmacology and Physiology at George Washington University's School of Medicine and Health Sciences. His research interests are in anxiety disorders and cardiovascular risk with a focus on the brain neurocircuitry and neurohormonal systems involved in autonomic control of blood pressure and immune system regulation.

KERRY O'BANION, MD, PHD

Kerry's pioneering work in the area of cyclooxygenase-2 and inflammation led to research that focuses on understanding the role of neuroinflammation in Alzheimer's and neurodegenerative diseases. His goal is to understand roles of neuroinflammation and oxidative stress in promoting injury and determine whether interventions targeting these processes can alleviate late radiation effects.

JANINE SIMMONS, MD, PHD

Janine is Chief of Individual Behavioral Processes Branch in Division of Behavioral and Social Research at NIA. She ran the Social and Affective Neuroscience Program at NIMH- where she worked on the RDoC working group, the Office of Basic and Social Sciences Research, and the Common Fund Science of Behavior Change initiative. She still co-Chairs the Behavioral Ontology Development Working Group.

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MEET THE FELLOWS

HAYLEY WNUK

Hayley is a PhD student in the Biology Department at University of Rochester Medical Center. She works in Dr. Wang's lab and the focus of her research project is to examine the effect of socialization on a mouse model of Alzheimer's Disease.

ARCHER BOWMAN

Archer is a PhD student in the Neuroscience Department at University of Arizona. He works in Dr. Gothard's lab and he aims to examine longitudinally, in adolescent macaques, changes in social+non-social reward motivated behaviors and their neural substrate in the amygdala and prefrontal cortex.

LIA CALCINES-RODRIGUEZ

Lia is a PhD student in the Neuroscience Department at University of Rochester. She works in Dr. O'Banion's lab doing research revolving around understanding the sex differences in microglial interactions with amyloid-beta and how this influences AD pathogenesis

JOANNA CULLIGAN

Joanna is a PhD student at Virginia Polytechnic Institute and State University. She is interested in the potential benefits of intentional music application to support wellbeing and connectedness between caregivers and those experiencing dementia, which could be life changing.

PEIWEI LIU

Peiwei is a PhD student in Psychology at University of Florida. Her dissertation will determine the modulatory role of 1) acute intranasal OT administration on resting-state functional connectivity within the salience network among younger and older adults, and 2) chronic intranasal OT administration on brain structural biomarkers in older adults

QIANRU XU

Qianru is a postdoctoral researcher at the Center for Machine Vision and Signal Analysis at University of Oulu in Finland interested in Sundown Syndrome. She aims to identify the characteristics of SS in Arctic regions to determine how lighting conditions affect SS. And to investigate the relationship between dementia and SS.

YIYI ZHU

Yiyi is a Postdoctoral Research Associate working on the Midlife in the U.S. (MIDUS) Affective Neuroscience Project at University of Wisconsin-Madison, WI. She aims to explore the affective neuroscience mechanisms within aging populations using the rich MIDUS dataset

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