

**Honors Sophomore Apprenticeship Retreat Program
July 30, 2021**

10 – 10:05 AM

Welcome from outgoing Honors Director Sabine Gross and incoming Honors Director Jenny Saffran

Session 1	10:05 – 10:50 AM	Moderator: Sabine Gross
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Michelle	Chi	A role for the integrated stress response in neural stem cell quiescence	Darcie Moore	Neuroscience
Atharva Ankush	Dhamale	Studying Beneficial Mutations Contributing to Evolutionary Rescue	Nathaniel Sharp	Genetics
Ziyan	Guo	Ambassadors and Diplomatic Effectiveness: Evidence from Chinese and American Ambassadors (1980-2019)	Zhenhuan (Reed) Lei	Political Science
Manasi	Passi-Simhan	The Impacts Of Urbanization On Natural Restoration - Insights From Pb Isotope Geochemistry	Sean Scott	State Lab of Hygeine
Tala	Shaibi	Investigating Neural Stem Cell Post-Transcriptional Regulation on Adult Neurogenesis	Darcie Moore	Neuroscience
Mindy	Yadev	Understanding the Contribution of Endogenous Heme Biosynthesis to Adipocyte Function	Andrea Galmozzi	Medicine

Session 2	10:50 – 11:35 AM	Moderator: Matt Kohlstedt
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Ruby	Armstrong	A Perfect Storm: The Experience of Pre-Existing Mental Illness during a Pandemic	Diane Gooding	Psychology
Jillian	Flanagan	Wild Turnips for White Corn: Building Tribal Food Sovereignty on the Fort Peck Reservation Using Oral History and Digitally Mapped Trade Networks	Becca Dower	Civil Society and Community Studies
Abigail	Lesniak	Speech-induced modulation of auditory cortical activity using fMRI (Brain Language & Acoustic Behavior Lab)	Caroline Niziolek	Communication Sciences and Disorders
Allia	Lin	Testing a larval zebrafish's mechanosensory function in vertical flow	David Ehrlich	Integrative Biology
Erin	Payne	Islamist Insurgencies in Sub-Saharan Africa	Scott Straus	Political Science
Ayuka	Sinanoglu	Entertainment Expenditure: The Costs of Musical Tourism in Berlin from the 19th Century to the Present	Pamela Potter	German, Nordic, and Slavic

BREAK 11:35 – 11:40 AM

Session 3	11:40 AM – 12:15 PM	Moderator: Sabine Gross
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Lucas	Chini	Increase in health span of elderly mice after initiation of an isoleucine lacking diet	Dudley Lamming	Medicine
Sonia	Zaacks	Investigating Plant-Bacteria Interactions in Response to Plant Defense Systems	Jeri Barak-Cunningham	Plant Pathology
Lillian	Li	Biologically inspired hierarchical neural network for 3D visual processing	Ari Rosenberg	Neuroscience
Jodie	Ritchie	Exploring Error and Model Domains in Materials Machine Learning	Dane Morgan	Materials Science and Engineering
Stanley	Tzeng	Practical Methods for Domain Determination in Machine Learning Models Using Feature Distance Metrics	Dane Morgan	Materials Science and Engineering

12:15 – 12:45 PM

Lunch on your own, or stay on video if you want to lunch and chat

Session 4	12:45 – 1:30 PM	Moderator: Jenny Saffran
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Dana	Craig	The Cloughjordan Ecovillage: The Past and Present Politics of Irish Land	John Zumbrunnen	Political Science
Lauren	Hando	Social Media Coding for Health and Political Research	Dhavan Shah	Journalism
Mabel	Malhotra	UW Justice Lab: Permanent Injury Beyond Medical Intervention (PIBMI) Documentary	John Eason	Sociology
Victoria	Ylizariturri	UW-Justice Lab: Permanent Injury Beyond Medical Intervention (PIBMI) Documentary	John Eason	Sociology
Allyson	Mills	On Singing and Reading: An Opera Diva, a British Novelist, and Strategies of Memory	Margaret Butler	Music
Sophie	Rewey	Project Title Deficits in behavioral and neuronal pattern separation in temporal lobe epilepsy.	Rama Krishna Maganti	Neuroscience

BREAK 1:30 – 1:35 PM

Session 5	1:35 – 2:20 PM	Moderator: Jenny Saffran
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Hugh	Steiner	Harnessing next generation sequencing and machine learning approaches to delimit new species of cave endemic in the Israeli arachnofauna	Prashant Sharma	Integrative Biology
Lauren	Smith	Using Visual Framing Cues to Help Children Develop a Patterning Lens	Martha W. Alibali	Psychology
Zach	Dyar	A Plague on Both Houses: An Analysis of the Humanitarian Impact of U.S. Sanctions on Vulnerable Populations and the Domestic Politics that Affect Sanction Efficacy.	Dominic Parker	Agricultural & Applied Economics
Connor	Howe	X-ray Astrophysics and the Development of High-Resolution Quantum Calorimeters	Dan McCammon	Physics
Ankit	Raheja	Engineering of BmoR as a biosensor for butyrate	Philip A. Romero	Biochemistry
Andrew	Santamarina	Immigrant Labor in the Iron Range Strikes of 1907 and 1916 and the Copper Country Strike of 1913	Tony Michels	History

BREAK 2:20 – 2:25

Session 6	2:25 – 3:10	Moderator: Matt Kohlstedt
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Apprentice First Name	Apprentice Last Name	Apprenticeship Title	Mentor Name	Mentor Department
Ria	Dhingra	An Ecological Approach to Abolition: A Holistic Analysis of Discrimination Systems	Ingrid Diran	English
Anna	Nelson	An Ecological Approach to Abolition: A Holistic Analysis of Discrimination Systems	Ingrid Diran	English
Lindsey	Knuth	The UW Canon Wars: Placing UW-Madison's English Curriculum in Racial, Social, and Historical Context	Ramzi Fawaz	English
Cade	Hottman	Molecular Characterization of Cortical and Striatal TH-Expressing Interneurons	Andre Sousa	Neuroscience
Nicholas	Schulz	Neurodegeneration in Autosomal Dominant Alzheimer's Disease	Barbara Bendlin	Medicine
Marielena	Trujillo	Investigating the effects of skin microbes on melanoma growth	Anna Huttenlocher	Pediatrics

3:10 – 3:20 PM Closing comments
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