

IBIS Annual Meeting October 2022 Working Draft Agenda

Welcome to the 2022 IBIS Annual meeting. In past years, when this meeting has been in-person, we have included much time for discussion and small workgroups. Because we have shifted to a remote meeting, and Zoom meetings are not conducive to these activities, this year we are primarily focusing our time on data talks and start up of the ACE-adolescence grant and other projects. We will continue to set aside time on our regular Large Group calls for ongoing discussions.

Since time for discussion is at a minimum, please drop any questions in the chat. We will moderate the presentations and discussion and hopefully be able to select a few questions. Otherwise, they will be forwarded to the presenter for discussion at a later time.

We would also like to welcome our guests/outside presenters:

Karen Berman, NIMH Chief Clinical and Translational Neuroscience Branch
Susan Bookheimer, UCLA, ABCD Study
Lisa Gilotty, NIMH Program Officer
Alice Kau, NIMH Program Officer
Shau-Ming Wei, NIMH Staff Scientist, Behavioral Endocrinology Branch
Peter Schmidt, NIMH Branch Chief, Behavioral Endocrinology Branch
Jeremy Veenstra-VanderWeele, Columbia, PI of new ACE studying early development

Monday, October 24 Morning Session 10:00-1:00

10:00-10:05 Welcome (Joe)

New Data and Projects on IBIS Down Syndrome

10:05 Becca Grzadzinski, Kelly Botteron, Heather Hazlett, Dea Garic, Martin Styner & Guido Gerig (45 min)

Update on Funded Projects Complementary to IBIS Parent Grants

10:50-11:05 Sleep grant– (Annette Estes) – 15 min

11:06-11:16 IPSC Studies -- (Jason Stein) –10m

11:18-11:28 LENA Grant (Meghan Swanson) – 10 min

11:30-11:40 Synchrony- update - Whitney Guthrie (10 min)

11:41-11:56 BREAK (15m)

11:56-12:06 UNC Health Equity Award to Study Barriers to Black families in IBIS - Kelly Caravello (10 min)

- 12:07-12:22 CSF studies (IBIS, IDDRC) - Mark Shen (15 min)
- 12:23-12:33 Sensory Responsiveness/Repetitive Behaviors Grant – Jason Wolff (10 min)
- 12:34-12:44 Translational (human, mouse) Studies of Arousal – Becca Grzadzinski, Jose Rodriguez-Romaguera (10 min)
- 12:45-12:55 IBIS as a Study of Families – Jessica Girault (10m)
- 12:56-1:06 Ethical Social (ELSI) Studies of Autism – Kate MacDuffie (10 min)

Monday, October 24
Afternoon Session
2:00-5:00

Launching the IBIS-Adolescent grant

- 2:00-2:15 Brief Overview of IBIS-A Aims (Joe/Casey – Aim 2): 15 minutes
- 2:16-2:46 NIMH Longitudinal Study of Endocrine and Neurobiological Events in Puberty (30 minutes)
 Peter Schmidt, NIMH Branch Chief, Behavioral Endocrinology
 Karen Berman, NIMH Chief Clinical and Translational Neuroscience Branch
 Shau-Ming Wei, NIMH Staff Scientist
 (NIMH Longitudinal Study, Issues we should consider in IBIS-ADOL, discussion)

IBIS-Adolescent Start up

- 2:47-3:02 Data Coordinating Center (Leigh MacIntyre) (15m)
- 3:03-3:48 Behavior Core (recruitment/retention; data collection/ protocols – includes sex steroid collection): Annette Estes/Tanya St James (45 min)
- 3:49-4:05 BREAK (15m)**
- 4:05-4:30 Imaging Core (Mark Shen, Jed Elison, Bob McKinstry, Martin Styner, John Pruett) 25m time
- 4:31-41 Diversity, Equity, Inclusion Working Group – Steve Dager (10 min)

Data Blitz (5m talk + 3m Discussion)

- 4:42-50 Dylan Stahl (WashU fMRI studies)
- 4:51-4:59 Shruthi Ravi (UT Dallas) language development

Tuesday, October 25

Afternoon Session

1:00-4:00

Adolescent Reference Databases for Brain Imaging, to Shed Light on Diversity in the IBIS Sample

1:00-1:30 ABCD Study summary – Susan Bookheimer (30 min) (description, data sharing, summary of key ABCD and other findings relevant to IBIS-A)

1:31-1:41 John Gilmore/UNC study – Jessica Girault (10m)

New IBIS Analyses

1:42-1:52 Perivascular spaces (Dea Garic)

1:53-2:03 social motivation (Natasha Marrus)

2:04-2:14 fcMRI (John Pruett)

2:15-2:25 Sex differences (Casey Burrows)

2:26-2:36 Amygdala/Anxiety – Casey Burrows/Carolyn Lasch

2:37-2:47 Executive function – Tanya St John

2:48-3:03 Break (15m)

3:03-3:23 Girault Lab Studies (1) Amygdala-Visual Cortex functional connectivity project, (2) School-age functional connectivity project, (3) Latent Cognitive Trajectories & Brain Development Project, (4) White matter and language development in infancy. (Jessica Girault) (20m)

3:24-3:34 measurement invariance (Jed Elison)

3:35-3:45 sensory/repetitive behaviors (Jason Wolff)

3:46-3:56 CBCL (Meghan Swanson)

3:57-4:07 Longitudinal volume/cortical features (Heather Hazlett/Josh Rutsohn)