

3rd International Conference on Applications of Neuroimaging to Alcoholism (ICANA-3)

February 16–18, 2013 / New Haven, Connecticut

<http://ctna.yale.edu/icana3>

Dear Colleagues,

We are delighted to cordially invite you to join us for the “3rd International Conference on Applications of Neuroimaging to Alcoholism (ICANA-3)” as part of the NIAAA Center for the Translational Neuroscience of Alcoholism (CTNA) based at Yale University Department of Psychiatry. ICANA-3 will take place from 16-18 February, 2013 in New Haven, CT.



Building on the success of past ICANA conferences, ICANA-3 will foster interest, career development, research and collaboration in this rapidly expanding area of neuroscience technology. The conference will bring together neuroimagers with diverse technical and clinical expertise to consider methodological applications to alcoholism research. A distinctive feature of the design of this meeting is its focus on multi-modality imaging (sMRI, DTI, fMRI, MRS, PET, SPECT), promoting interdisciplinary crosstalk. As with past conferences, ICANA-3 highlights “hot” issues in the field for special focus and emerging technologies within each neuroimaging modality.

We look forward to seeing you at Yale to discuss and promote advances in this exciting area of research.

John H. Krystal, MD
CTNA Director & ICANA-3 Chair

Call for Abstracts

We cordially invite you to submit your abstracts online at:

<http://ctna.yale.edu/icana3/posters.aspx>

Please note the following conference agenda to tailor your abstract submissions.

The proposed agenda will include 4 main chaired sessions and a focused topical session as well as poster sessions throughout the conference:

Magnetic resonance spectroscopy (MRS)

Functional/structural magnetic resonance imaging (fMRI/sMRI)

Functional imaging genomics

Neuroreceptor imaging using Positron emission tomography (PET) & Single photon emission computed tomography (SPECT)

Learning / Computational Modeling / Functional and Anatomical Connectivity

Deadline for all abstract submissions is **December 22, 2012**.

The program committee will review all abstracts. A number of excellent abstracts may be selected for oral presentation. Presenting authors will be notified in January 2013.

ICANA Program Overview *For complete schedule, please see <http://ctna.yale.edu/icana3/agenda.aspx>*

Saturday, February 16, 2013

- 7:30 AM Continental Breakfast
- 9:00 AM Plenary Lecture: Detecting Laminar Specific Neural Plasticity in the Rodent Brain with MRI
Alan P. Koretsky
Director, Laboratory of Functional and Molecular Imaging, National Institute on Neurological Disorders and Stroke
- 10:15 AM Session I (MRS): Neurochemical and Energetic Effects of Chronic Alcohol Consumption
Graeme Mason, Chair
Yale University
- 12:45 PM Lunch and Poster Viewing
- 1:45 PM Session II (fMRI): Brain Mechanisms of Reward and Cognition as Substrates of Addictive Behaviour
Theodora Duka, Chair
University of Sussex
- 4:15 PM Posters
- 7:00 PM Reception (Yale Peabody Museum)

Sunday, February 17, 2013

- 7:30 AM Continental Breakfast
- 9:00 AM Acute and Chronic Effects of Alcohol on the Human Brain
Nora D. Volkow
Chief, Laboratory of Neuroimaging
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
- 10:15 AM Session III (Imaging Genomics): Structural & Functional Genomics of Alcoholism
Godfrey Pearlson, Chair
Yale University
- 12:45 PM Lunch and Poster Viewing
- 1:45 PM Session IV (PET): Imaging the Molecular Mechanisms of Vulnerability and Dependence with PET
Anissa Abi-Dargham, Chair
Columbia University
- 4:15 PM Posters
- 6:30 PM Informal Dinner (BAR and BRU)

Monday, February 18, 2013

- 7:30 AM Continental Breakfast
- 8:45 AM Plenary Lecture: Charting the Human Connectome
David C. Van Essen
Chairman of Neurobiology
Washington University in St. Louis
- 9:45 AM Poster & Young Investigator Awards
- 10:15 AM Topical Session: A Translational Approach to Alcoholism: Understanding Addictive Goals and Habits via Computation, Representation and Neural Instantiation
Philip Corlett, Chair
Yale University
- 12:45 PM Discussion & ICANA Summary
John Krystal
CTNA Director, ICANA Chair, and
Yale Department of Psychiatry Chair

Yale SCHOOL OF MEDICINE
Center for the Translational Neuroscience of Alcoholism (CTNA)