

THE ISGIDAR NEWSLETTER

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PLEASE ATTEND!!!

2010 ISGIDAR SCIENTIFIC MEETING — Scottsdale, ARIZONA

The 2010 annual ISGIDAR Scientific Meeting will be held Saturday June 12th as a satellite session immediately preceding the annual scientific meeting of the College on Problems of Drug Dependence. The location is Salon D of the Grand Ballroom, The Fairmont, Scottsdale, Arizona. Continental breakfast and registration begin at 8:30 AM. **Talks are from 9 AM to 4:15** with a 70 min lunch break beginning at 12:20 PM. **Registration is \$80 and can be paid in advance or at the door.** Lunch will be free (courtesy of Grunenthal, USA, Inc.) with pre-registration by May 15th. **If you have not pre-registered but you would like to attend the luncheon, please send an e-mail message to the Treasurer wlynch@virginia.edu ASAP to hold a space.** Preliminary program information and schedule are shown on the next page.

Call for Papers and Preliminary Information on the 2010 Meeting Program

Please **consider presenting your data** at ISGIDAR 2010 in Scottsdale! Send preliminary information regarding the content (such as a title and/or a few sentences of description) to barak@mclean.harvard.edu Please put "ISGIDAR" in the subject line of your email. Please include co-authors and affiliations. Please indicate preferred duration of presentation, if any. Priority will go to talks with data focused on drugs as reinforcers.

Please encourage your students to submit a paper for the **student paper competition!** The winner receives up to \$500 in travel reimbursement and a featured slot in the program. Eligibility: currently a graduate student or a maximum of 3 yrs postdoctoral experience.

Although the schedule below is vague at the time of publication of this newsletter, there are several exciting features of the upcoming meeting worthy of mention. There will be a **symposium** organized by J. L. Katz and J. H. Woods entitled "*Psychomotor stimulants: History and conditioned stimulus effects as determinants of the reinforcing effects of drugs.*" The **Guest Speaker** is Luis de Lecea from Stanford University presenting, "*Optogenetic control of brain reward function.*" And as mentioned above, lunch is free to pre-registrants!

2010 ISGIDAR Meeting *Preliminary* Program

8:30 a.m. - 5:00 p.m. Saturday, June 12th, 2010

SALON D of the Grand Ballroom

The Fairmont, Scottsdale, Arizona

8:30 a.m. **Registration** (\$80) and Continental Breakfast

8:55 Opening Remarks – S. Barak Caine, President

9:00 – 10:20 Scientific Presentations

10:20 – 10:40 COFFEE BREAK

10:40 – 11:50 Scientific Presentations

11:50 *Student Paper Award Winner*

12:20 – 1:30 LUNCH BREAK (Registration required for Luncheon)

1:30 – 2:50 Scientific Presentations

2:50 AFTERNOON SNACK BREAK

3:10 – 4:15 Scientific Presentations

4:15 p.m. ISGIDAR BUSINESS MEETING & **SOCIAL** (OPEN TO ALL ATTENDEES)

Voting in New Members

Update on Listserv and Website

Election of New ISGIDAR Secretary

UPCOMING MEETING ANNOUNCEMENTS

2011 ISGIDAR SCIENTIFIC MEETING—Hollywood, FLORIDA
Westin Diplomat – June 18, 2011
<http://www.cpdd.vcu.edu/Pages/Meetings/FutureMeet.html>

Application of Genetic Approaches to Understand Drug Abuse and Addiction
Official CPDD Satellite Meeting – The Fairmont, Scottsdale, ARIZONA
June 11, 2010
<http://www.seiservices.com/nida/1014076>

12th Annual Meeting of the SRNT Europe, Bath, UK
University of Bath – September 6-9, 2010
<http://www.srnteuropa.org/>

2011 SRNT Annual Meeting, Toronto, Canada
Westin Harbour Castle – February 16-19, 2011
<http://www.srnt.org/>

2011 Behavioral Pharmacology Society—Washington, DC
April 8-9, 2011
<http://www.aspet.org/public/meetings/meetings.html>

PAST MEETING REPORT

2009 ISGIDAR SCIENTIFIC MEETING — Reno/Sparks, Nevada

The 2009 annual ISGIDAR Scientific Meeting was held Saturday 20 June at John Ascuaga's Nugget Casino Resort. As usual, the meeting was held as a satellite session immediately preceding the annual scientific meeting of the College on Problems of Drug Dependence. Scientific papers were presented between 8:30 and 4:15 PM (see below for program) and the business meeting was held immediately thereafter.

2009 ISGIDAR SCIENTIFIC PROGRAM (PAST MEETING)

John Ascuaga's Nugget Casino Resort, Reno/Sparks, Nevada, June 20, 2009

8:30 a.m. Registration (\$80) and Continental Breakfast

8:55 Opening Remarks – Elise M. Weerts, President

9:00 Angela N. Duke, Barbara J. Kaminski, and Elise M. Weerts
Division of Behavioral Biology, Johns Hopkins University
The Effects of Baclofen on Alcohol Seeking and Consumption under a Chained Schedule of Reinforcement in Baboons

9:20 Richard A. Meisch, Thomas H. Gomez, and John Grabowski
The University of Texas Health Science Center at Houston Medical School
Effects Of d-Amphetamine Pretreatment On Cocaine-Seeking Behavior Maintained Under An Interlocking Schedule.

9:40 Morgane Thomsen and S. Barak Caine
Alcohol and Drug Abuse Research Center, McLean Hospital, Harvard Medical School
Muscarinic modulation of discriminative stimulus and reinforcing effects of cocaine

10:00 Chris Podlesnik, Corina Jimenez-Gomez, and **James H. Woods**
University of Michigan
Choice Procedures And The Aversive Effects Of Drugs In Rats: Preliminary Findings

10:20 – 10:40 COFFEE BREAK

Special Symposium and Discussion of Methods Evaluating Drug Reinforcement

10:40 William E. Fantegrossi
Department of Pharmacology & Toxicology, University of Arkansas for Medical Sciences
Tweaking the assay: are our self-administration methods sufficient to detect reinforcing effects of hallucinogen-like drugs in laboratory animals?

11:00 Francesco Leri, Mark Tucci, and Anne-Marie Levy
Department of Psychology, University of Guelph, Ontario, Canada
Place Conditioning In Rats: The Difficulties Of A Simple Procedure

11:20 Richard De La Garza and T.F. Newton
Baylor College of Medicine
When subjective and reinforcing effects data don't coincide - What does it mean, and are some data always more meaningful than others?

Student Paper Award Winner

12:00 Justin J. Anker
Department of Psychiatry, University of Minnesota
Progesterone metabolite, allopregnanolone, attenuates cocaine-seeking behavior in female rats

12:20 – 1:30 LUNCH BREAK

1:30 Kenneth Perkins, Amy Grottenthaler, and Annette Wilson
University of Pittsburgh
No Reinforcement Enhancing Effects Of Nicotine In Humans

1:50 Mark Greenwald
Dept. of Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine
Behavioral Pharmacogenetic Analysis Of Opioid Seeking Behavior

- 2:10** **Kenneth Grasing** and Shuangteng He
Kansas City Veterans Affairs Medical Center & the Division of Clinical Pharmacology,
Department of Medicine, University of Kansas School of Medicine
Selective Breeding For Differences In Cocaine Self-Administration
- 2:30** **Thomas A. Green**
Center for Addiction Research, Department of Pharmacology and Toxicology, UT Medical Branch
*Mechanisms of Environmental Enrichment-Mediated Decreases in Self-Administration of Cocaine
and Amphetamine*
- 2:50** **AFTERNOON SNACK BREAK**
- 3:10** **Jennifer Newman** and Jack Bergman
Alcohol and Drug Abuse Research Center, McLean Hospital, Harvard Medical School
Effects Of Chronic Modafinil On Methamphetamine Self-Administration
- 3:30** **Fei Shen**, Gloria E. Meredith, and Celeste Napier
Theravance Inc., Chicago Medical School & Rosalind Franklin University of Medicine and
Science, and Rush University Medical Center
*The Critical Role Of Hippocampal Neurotrophic Factor Trkb And Glutamatergic NMDA Receptors
In Amphetamine Reward-Mediated Behavior*
- 3:50** **Stolerman IP**, Meisch RM, Tsibulsky V.
Institute of Psychiatry, De Crespigny Park, London SE5 8AF, UK, Department of Psychiatry and
Behavioral Sciences, The University of Texas at Houston, and Department of Psychiatry,
University of Cincinnati
The Drug Self-Administration Database
- 4:15 p.m. ISGIDAR BUSINESS MEETING & SOCIAL (OPEN TO ALL ATTENDEES)**
Voting in New Members
Election of New ISGIDAR Secretary

**The 2009 ISGIDAR Meeting was supported in part by the generous
contribution of Grunenthal USA, Inc.**



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POSITIONS AVAILABLE

RESEARCH ASSISTANTSHIP: Funds have become available for a four-year research assistantship in the conditioning, learning and drug self-administration laboratory of **Stan Weiss** and **Dave Kearns** at American University. With our recent five-year renewal from NIDA we will continue our research program concerned with the stimulus control of drug self-administration, the "deepened" conditioned inhibition of drug self-administration and "treatments" to eliminate the residual effects of a drug-related conditioning history. It is late in the game for Fall 2010 admissions, but if you know of a well qualified student with experience and interest in animal learning models of drug abuse, please let him/her know about this opportunity. Interested potential students can find information about our research program plus the Behavior, Cognition & Neuroscience doctoral program through <http://www.american.edu/cas/psych/sw-info.html>. Please contact Stan Weiss at sweiss@american.edu.

TWO POSTDOCTORAL FELLOWSHIPS and ONE RESEARCH ASSISTANTSHIP: Two postdoctoral and one research technician position are currently available in the Preclinical Pharmacology Section of NIDA and collaborating Universities (Johns Hopkins and University of Maryland) in Baltimore Maryland. Our wide-ranging program of neurobiological research includes studies in which the endocannabinoid system is manipulated as a potential target for nicotine addiction and other types of drug abuse. Research uses translational approaches to study drug abuse (primarily of nicotine, methamphetamine and THC) in rodents and non-human primates. The core methodology is behavioral analysis accompanied by examination of underlying neuropharmacological mechanisms. The predominant behavioral method is intravenous self-administration in rats and squirrel monkeys, supplemented by other behavioral techniques, including drug discrimination and conditioned place preference. Non-behavioral techniques include in-vivo microdialysis, cardiovascular and electrophysiological investigations. A recent area of research is cognitive (learning and memory) and emotional (anxiety, depression) effects of drugs, for which the core research on drug abuse has implications. Research will be conducted in the new Biomedical Research Center of NIH on Johns Hopkins Bayview Medical Center campus in East Baltimore. Contact **Dr. Steven R. Goldberg**, Chief, Preclinical Pharmacology Section, Intramural Research Program, National Institute on Drug Abuse, NIH Biomedical Research Center (BRC) Suite 200 (NIDA), Room #05A711, 251 Bayview Blvd., Baltimore, MD 21224. Tel: 443-740-2519, fax: 443-740-2733; email: sgoldber@mail.nih.gov

POSTDOCTORAL FELLOW: I am looking for one or two candidates to fill post-doctoral research positions in my laboratory at the NIDA Intramural Research Program (formerly the Addiction Research Center). Fellows will have opportunities for training in a wide range of behavioral and in vitro techniques for studying drugs of abuse. Applicants must have completed doctoral training in pharmacology, psychology, neuroscience or a related discipline. Salary is competitive commensurate with experience. For more details on the positions please contact me

directly at the e-mail address or phone number shown below. To apply please forward a curriculum vitae, statement of research interests, and three letters of reference to me at the address below. **Jonathan L. Katz**, Ph.D. Medications Discovery Research Branch Psychobiology Section NIDA Intramural Research Program 251 Bayview Boulevard, Suite 200 Baltimore, MD 21224 ph: 443-740-2582 fax: 443-740-2829

POSTDOCTORAL FELLOWSHIP: A Postdoctoral position is available in the Department of Psychiatry and Behavioral Sciences at the University of Miami Miller School of Medicine to study the behavioral and neurochemical effects of drugs of abuse. The emphasis is on studying the roles that the social and physical environment play in mediating the behavioral and neurochemical effects of psychostimulants in adult and adolescent male and female rats. Studies include drug self-administration, locomotor activity, conditioned place preference, receptor binding, neurotransmitter uptake and release, and second messenger function of receptors. Experience with self-administration studies is preferred. Applicants must have completed doctoral training in Psychology, Neuroscience, Pharmacology or a related discipline and should have a strong interest in integrating behavioral and neurochemical studies. To apply, please contact: **Sari Izenwasser, Ph.D.**, Dept. of Psychiatry & Behavioral Sciences (D-80), University of Miami Miller School of Medicine, 1600 NW 10th Ave, Room 4113A, Miami, FL 33136 Phone: 305-243-2032, sizenwasser@med.miami.edu

Postdoctoral Fellowship in Behavioral Pharmacology and Brain Imaging: A postdoctoral research fellowship is available in behavioral pharmacology in the Department of Physiology and Pharmacology at Wake Forest University School of Medicine in Winston-Salem, NC. The research utilizes nonhuman primate models of addiction and offers training in in vivo brain imaging using PET and MRI, primate social behavior, schedule-controlled behavior, cognition, drug discrimination and drug self-administration. The applicant will have the opportunity to interact and train with world-renowned behavioral pharmacologists, neuroscientists and neuropharmacologists. This laboratory has an excellent track record for trainees receiving funding and publishing. The applicant should have a Ph.D. in Pharmacology, Neuroscience or Psychology. Applicants should send C.V. and letter of interest to **Dr. Michael A. Nader** at mnader@wfubmc.edu or by mail at Wake Forest University School of Medicine, Department of Physiology and Pharmacology, Winston-Salem, NC 27157. Wake Forest University is an equal-opportunity employer.

POSTDOCTORAL FELLOW: Funds are available for up to three years of postdoctoral training in the Neuroscience Program, Alcohol & Drug Abuse Research Center, McLean Hospital, Harvard Medical School, in the laboratory of **Barak Caine**. The principal criteria upon which candidates will be evaluated, in order of importance, are as follows. (1) Overlapping research interests with the P.I.; (2) potential to carry out the work with initiative, intellectual contribution, and a degree of independence; (3) potential and willingness to actively contribute within (a) a small group of students, technicians, postdoctoral trainees and faculty in the laboratory (i.e., “works well with others”), and (b) weekly meetings of postdoctoral fellows and investigators from the entire Alcohol & Drug Abuse Research Center (i.e., data presentations and scientific discourse); (4) eligibility for support under a NIDA T32 training grant mechanism. For research interests, see representative publications in “Bibliography” in this newsletter (see both Barak Caine and Morgane Thomsen). Send preliminary inquiries to barak@mclean.harvard.edu

EXCIPIENTS

- **Karen Anderson** has been promoted to the rank of Associate Professor (with tenure granted) in the Department of Psychology at West Virginia University.
- **Meg Haney** has been promoted to the rank of full Professor of Clinical Neurobiology in the Department of Psychiatry at Columbia University.
- **Sandy Comer** has been promoted to the rank of full Professor of Clinical Neurobiology in the Department of Psychiatry at Columbia University.
- Registration is free for the Application of Genetic Approaches to Understand Drug Abuse and Addiction satellite meeting (see above), and limited travel awards will also be available to help defray the cost of an extra night's stay at The Fairmont. This meeting will enable you to get acquainted with exciting new findings and approaches to understanding the role of genetics in drug abuse and addiction. What do we know about innate differences in vulnerability, impulsivity, response to natural rewards and compulsive behavior? Are you confused by the "alphabet soup" of genetics research? What is QTL, what's a SNP? How about micro-RNAs? Our experts can help you understand what it all means, using a combination of lecture style and research presentations from both contemporary animal models and human laboratory investigation. They will describe new discoveries from genetics research in drug reinforcement, conditioned associations, endophenotypes, and response to pharmacotherapy for addiction, showcasing powerful techniques for understanding individual differences. Examples of successful translational research (between animal models and research with human subjects) will also be presented. This is a great opportunity for both clinical and basic researchers, especially graduate students and post-doctoral fellows, to hear about the latest findings, understand how genetic variation can influence drug abuse and the development of addiction, and appreciate possible directions for emerging collaborations. Whether you are merely curious and want to get your feet wet, or gain practical knowledge on how to embark upon research involving genetics approaches, these satellite presenters can provide examples that draw upon first-hand experience. Informal Q&A sessions following each presentation will help answer your questions and broaden your knowledge of this growing field and its potential for understanding abuse and addiction. For additional information please visit <http://www.seiservices.com/nida/1014076> or contact **Dr. Minda Lynch**, Branch Chief, Behavioral and Cognitive Science Research Branch, mlynch1@nida.nih.gov, 301-435-1322. Pre-registration is available at the web site until May 15th and you may also input suggestions for content you would like covered by our expert panel.