

THE ISGIDAR NEWSLETTER

Volume 33, No. 1

June 2008

President of ISGIDAR

Elise Weerts, Ph.D.
Division of Behavioral Biology
Johns Hopkins Univ. School of Med
5510 Nathan Shock Drive
Suite 3000
Baltimore, MD 21224
eweerts@jhmi.edu

Secretary of ISGIDAR

S. Barak Caine, Ph.D.
Alcohol & Drug Abuse Res Ctr
McLean Hospital
Harvard Medical School
115 Mill Street
Belmont, MA 02478
barak@mclean.harvard.edu

Chief Technology Officer

Jonathan B. Kamien, Ph.D.
Biopsych Consulting
3450 Vista Haven Road
Sherman Oaks, CA 91403
(818) 783-2486
jkamien@biopsych.com

Treasurer of ISGIDAR

Marilyn E. Carroll, Ph.D.
Dept. of Psychiatry
University of Minnesota
Box 392 UMHC
Minneapolis, MN 55454
(612) 626-6289
mcarroll@staff.tc.umn.edu

International Vice-President

Gerald Zernig, MD, Assoc.Prof.
Division of Neurochemistry
Department of Psychiatry
Medical University Innsbruck
Anichstrasse 35
A-6020 Innsbruck
Austria
Ph. +43-699-1714-1714
fax +43-512-504-25866 or -23716
gerald.zernig@uibk.ac.at

ISGIDAR e-mail address: ISGIDAR-L@VENUS.VCU.EDU

ISGIDAR Website: WWW.ISGIDAR.ORG

PLEASE ATTEND!!!

2008 ISGIDAR SCIENTIFIC MEETING – SAN JUAN, PUERTO RICO

The 2008 annual ISGIDAR Scientific Meeting will be held Saturday June 14th as a satellite session immediately preceding the annual scientific meeting of the College on Problems of Drug Dependence. The location is San Cristobal E/F/G, The Caribe Hilton. Continental breakfast and registration begin at 8:00 AM. Papers will be presented from 8:30 AM to 5:30 PM with a 1-hr lunch break beginning at 12:30 PM. Registration is \$80 with optional lunch buffet for an additional \$20. The anticipated schedule is shown on the next two pages.

2008 ISGIDAR Meeting Program
8:00 a.m. - 5:30 p.m. Saturday, June 14, 2008
San Cristobal E/F/G, The Caribe Hilton, San Juan, Puerto Rico

8:00 – 8:30 a.m. Continental Breakfast

8:30 Opening Remarks – Elise M. Weerts, President

8:35 Amy K. Goodwin and Nancy A. Ator. Johns Hopkins University School of Medicine. Self-administration of the tryptamine derivatives 5-MeO-MIPT and 4-OH-DIPT in baboons.

9:00 Carol A. Paronis, Ph.D., McLean Hospital / Harvard Medical School, Belmont, MA. Establishing oral ethanol self-administration under a two-lever concurrent 'choice' schedule in female Sprague-Dawley rats.

9:25 Steven R. Goldberg. NIH/NIDA intramural Research Program, Baltimore, MD Adenosine A_{2A} and cannabinoid CB₁ interactions in squirrel monkeys.

9:50 Jose A. Crespo, Petra Stöckl, Katja Zorn, Alois Saria and **Gerald Zernig**, Experimental Psychiatry Unit, Department of Psychiatry, Medical University Innsbruck, Austria, Nucleus accumbens core acetylcholine is preferentially activated during drug- vs food reinforcement acquisition.

10:15 Richard Foltin. Department of Psychiatry, Columbia University and the New York State Psychiatric Institute. Who put the self in self-administration?

10:25 – 10:45 COFFEE BREAK

10:45 Jennifer Tidey, Brown University, Center for Alcohol & Addiction Studies, Providence RI. Separate and combined effects of nicotine and sensorimotor replacement on smoking behavior in smokers with schizophrenia

11:10 Jin H. Yoon, Stephen T. Higgins & Matthew P. Bradstreet. Depts of Psychiatry & Psychology University of Vermont. Influence of initial abstinence from cigarette smoking on impulsive responding, smoking preference, and participant ratings. **(Student Paper Award Winner)**

11:35 Karine Guillem and Laura L. Peoples, Department of Psychiatry, University of Pennsylvania, Philadelphia, PA. Increase in nicotine-seeking-related signals of accumbal neurons following abstinence: Contribution to nicotine addiction and relapse **(Invited Student Speaker)**

12:00 Morgane Thomsen, McLean Hospital / Harvard Medical School, Belmont, MA. Cocaine self-administration studies in knockout mice lacking DAT or SERT or both

12:30 - 1:30 p.m. LUNCH BREAK

1:30 S. Steve Negus, VCU, Behavioral economic analysis of interactions between mu and kappa opioid agonists in a drug self-administration procedure

1:55 Sandra D Comer, Maria A. Sullivan, Suzanne K. Vosburg, Jeanne M. Manubay, and Ziva D. Cooper, Department of Psychiatry, Columbia University and the New York State Psychiatric Institute. Reinforcing effects of intravenously-delivered buprenorphine compared to buprenorphine/naloxone in individuals maintained on sublingual buprenorphine.

2:20 Francesco Leri, AnneMarie Levy and Shabdis Djazayeri, Department of Psychology, University of Guelph, Guelph (ON), Assessment of conditioned reinforcing effects of oxycodone in rats: dose-response and reinstatement.

2:45 Mark Greenwald, Dept. of Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, Detroit, MI. Rationality of drug seeking in heroin addicts: Sensitivity to drug price, openness of economy, and concurrent non-drug reinforcer magnitude.

3:05 David J. McCann, Medications Discovery and Toxicology Branch, NIH/NIDA. Medications discovery for drug addiction treatment: Methods, results and future directions.

3:30 – 3:50 AFTERNOON SNACK BREAK

2008 ISGIDAR Meeting Program (continued)

8:00 a.m. - 5:30 p.m. Saturday, June 14, 2008

San Cristobal E/F/G, The Caribe Hilton, San Juan, Puerto Rico

LATE AFTERNOON SESSION

- 3:50 S. Barak Caine** McLean Hospital and Harvard Medical School, Belmont, MA. Effects of mGluR5 antagonists in rodents trained to discriminate or self-administer cocaine.
- 4:10 John D. Roache** and Richard J. Lamb. Behavioral Pharmacology Group, University of Texas Health Science Center at San Antonio. Repeated i.v. self-administration of Cocaine in a human laboratory model of conditioning: Correlations with in-study craving and post-study cocaine use.
- 4:35 Kenneth Grasing**, Yungao Yang, and Shuangteng He. Substance Abuse Research Laboratory, Kansas City Veterans Affairs Medical Center, University of Kansas School of Medicine, Kansas City, Kansas. Pharmacogenetics of Tacrine's Effects on Cocaine Self-Administration.
- 5:00 Ian Stolerman**, V Tsibulsky, Richard A Meisch, and Jonathan B. Kamien. Establishment of a new database on drug self-administration: a progress report

5:25 p.m. ISGIDAR BUSINESS MEETING & SOCIAL (OPEN TO ALL ATTENDEES)

UPCOMING MEETING ANNOUNCEMENTS

2009 SOCIETY FOR RESEARCH ON NICOTINE AND TOBACCO (SRNT)
Dublin, Ireland, April 27th – April 30, 2009
srnt.org

2009 ISGIDAR SCIENTIFIC MEETING—SAN JUAN, PUERTO RICO
Reno/Sparks, Nevada – June 20, 2009
<http://www.cpdd.vcu.edu/Pages/Meetings/FutureMeet.html>

PAST MEETING REPORT

2007 ISGIDAR SCIENTIFIC MEETING—Quebec City, Quebec, Canada

The 2007 annual ISGIDAR Scientific Meeting was held Saturday 16 June at the Quebec Hilton, Quebec City. 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 4:30 PM (see below for program) and the business meeting was held immediately thereafter.

2007 ISGIDAR PROGRAM

Porte Kent Room, Hilton Hotel, Quebec City, Quebec, Canada

June 16, 2007

- 8:30 Opening Remarks - **Richard W. Foltin**, President
- 8:40 **William E. Fantegrossi & James E. Goeders** (Emory University): What's drug got to do with it? Is "escalation" of drug self-administration a specific model for addiction?"
- 9:00 **Gerald Zernig, Jose A. Crespo, Petra Stöckl & Alois Saria** (Medical University Innsbruck): Why we see sensitization only to psychostimulants but not opioids.
- 9:20 **Gregory T. Collins & James H. Woods** (University of Michigan): Drug, reinforcement, and operant history as determinants of the response-maintaining effects of quinpirole in the rat. (Student Award Runner-up)
- 9:40 **S. Barak Caine** (Harvard University): Self-administration of the D2/D3 agonist 7-OHDPAT in rats: influence of history, schedule of reinforcement and comparison with a D3 selective agonist.
- 10:20 **Dick Meisch & Ralph Spiga** (University of Texas HSC-H): Convergence of measures of relative reinforcing effects: The relation between the relative persistence of responding and normalized demand curves.
- 10:40 **Richard De La Garza** (UCLA): A preliminary analysis of the impact of GVG treatment on methamphetamine self-administration and subjective effects in methamphetamine-dependent participants.
- 11:00 **Morgane Thomsen, Howard H. Gu, & S. Barak Caine** (Harvard University): Mice carrying a mutant cocaine-insensitive dopamine transporter do not self-administer cocaine. (Student Award winner)
- 11:20 **Richard Yi, Delia West, & Warren K. Bickel** (University of Arkansas for Medical Sciences): Binge eating symptoms, Obesity and temporal discounting.
- 11:40 **James MacKillop, Sean O'Hagen, James Murphy, John McGeary, & Stephen Lisman** (Brown University): Subjective craving for alcohol reflects a state-dependent increase in the relative reinforcing efficacy of alcohol.
- 1:30 **Chesley J. Christensen, Alan Silberberg, Steven R. Hursh, Mary E. Huntsberry, Peter G. Roma & Anthony L. Riley** (American University): The Reinforcing Strength of Cocaine is less than Food but Increases with Increased Cocaine Self-Administration History as Measured Using a Recently Developed Exponential Model of Demand.
- 1:50 **Ian Stolerman** (King's College, London): Update on Databases.
- 2:10 **Ziva D. Cooper & James H. Woods** (Columbia University, University of Michigan): Development and application of a method for rapid assessment of demand for the fast- and short-acting mu-opioid agonist remifentanyl in rodents.
- 2:30 **Margaret Haney, Carl L. Hart, Stephanie Collins Reed, Suzanne K. Vosburg and Richard W. Foltin** (Columbia University): Aripiprazole increases cocaine self-administration in humans.
- 3:10 **Elise Weerts** (Johns Hopkins): The effects of alcohol-related cues, alcohol concentration and availability on behavior maintained under a chained schedule of alcohol reinforcement .
- 3:30 **Thomas Newton** (UCLA): The effects disulfiram treatment on cocaine self-administration in cocaine-dependent participants: Preliminary findings.
- 3:50 **Kirshenbaum, A.P., Hughes, D.M., & Brown, S.J** (Saint Michael's College): DRL performance and nicotine administration: A systematic investigation of dose and schedule requirement.
- 4:10 **Paul Czoty, J.L. Martelle & M. A Nader** (Wake Forest University School of Medicine): Effects of timeout length on progressive ratio responding by monkeys self-administering cocaine
- 4:30 Business Meeting -- Election of new Secretary

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Recent publications of ISGIDAR Members

Barak Caine

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Richard De La Garza

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William E. Fantegrossi

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Kenneth Grasing

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Margaret Haney

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Carl Hart

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Richard A. Meisch

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Kenneth Perkins

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Morgane Thomsen

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Elise M. Weerts

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William Woolverton

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Gerald Zernig

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POSITIONS AVAILABLE

SUBSTANCE ABUSE & PSYCHOPHARMACOLOGY HUMAN RESEARCH AT JOHNS HOPKINS Postdoctoral research fellowships in stimulating, productive program with excellent resources. Prepare as independent investigator.

HUMAN LABORATORY -- behavioral & clinical pharmacology of abused drugs (abuse liability, self-administration, cognitive/memory function, neuroimaging); anti-drug-abuse medications development. Opioids, cocaine, anxiolytics, alcohol, caffeine, nicotine, hallucinogens, MDMA, club drugs.

CLINICAL TRIALS – testing medications, behavioral therapies (esp. incentive/contingency-based), and combinations; psychiatric comorbidity research; addiction & pregnancy/women. Opioid, cocaine, tobacco, mixed/other dependencies.

Eligibility: U.S. citizen, permanent resident. Many backgrounds are appropriate – from clinical/counseling to experimental/neuroscience.

NIH stipend levels: \$37K - 51K+.

Start Date: Flexible; both before and after July 1.

Faculty: George Bigelow, Roland Griffiths, Maxine Stitzer, Eric Strain, Ken Silverman, Robert Brooner, Miriam Mintzer, Una McCann, et al

Contact George Bigelow; BPRU, Behavioral Biology Research Center;. 5510 Nathan Shock Drive; Johns Hopkins Bayview Campus; Baltimore, Maryland 21224-6823. (410) 550-0035; bigelow@jhmi.edu. See www.bpru.org

POSITIONS AVAILABLE (continued)

Postdoctoral Fellowships at The University of Texas Health Science Center at San Antonio

The Behavioral Pharmacology Group at The University of Texas Health Science Center at San Antonio invites applications from highly motivated individuals for POSTDOCTORAL FELLOWSHIPS. This group includes Drs. Charles France, Rick Lamb, Wouter Koek, John Roache, Don Dougherty, Lance McMahon, Brett Ginsburg and Lisa Gerak; these highly collaborative investigators within the Departments of Pharmacology and Psychiatry are well funded by NIH to study behavioral and pharmacological mechanisms underlying the therapeutic and/or abuse potential of GABAergics, opioids, alcohol, stimulants, nicotine and cannabinoids, to study behavioral and pharmacological treatments for smoking, alcoholism and cocaine addiction, and to study the behavioral and biologic basis of vulnerability to addiction. Participating pre-clinical faculty have broad expertise in drug self-administration, drug discrimination, place conditioning, and many other behavioral assays, conducted within a spacious, state-of-the-art animal facility housing a variety of laboratory animal species. Participating clinical faculty have broad expertise in human laboratory and treatment research which is being conducted in newly renovated space especially designed for these purposes.

San Antonio is a vibrant, multicultural city that borders the Texas Hill Country and offers museums of art and culture, diverse cuisine, and professional sports including basketball, baseball and hockey. South Texas boasts many state and national parks which can be enjoyed year round under sunny skies and pleasantly warm temperatures. San Antonio is an ideal place to live for those transitioning from graduate training to a career in science.

Individuals who have completed or will complete their Ph.D. training in pharmacology, psychology, biology, neuroscience or a related field are encouraged to apply. Applicants should send a curriculum vitae, a brief statement of research interests and career goals, and letters of reference to **Lisa Gerak**, Department of Pharmacology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Dr, mail code 7764, San Antonio TX 78229 or by email to gerak@uthscsa.edu.

Postdoctoral Fellowship University of Miami Miller School of Medicine

A postdoctoral fellowship position is available immediately at the University of Miami Miller School of Medicine to study the behavioral and neurochemical effects of drugs of abuse. The emphasis is on sex differences in the effects of psychostimulants in adult and adolescent rats as part of a new Specialized Center of Research. Studies include drug self-administration, locomotor activity, conditioned place preference, receptor binding, neurotransmitter uptake and release, and second messenger function of dopamine, cannabinoid, and nicotinic receptors. 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

POSITIONS AVAILABLE (continued)

Master's thesis level fellowship (EUR 440,- per month).

The successful applicant will be involved in our ongoing investigation of the role of acetylcholine in chronic drug use. For more information, please contact:

gerald.zernig@i-med.ac.at

EXCIPIENTS

Larry Carter has joined Jazz Pharmaceuticals, based in Palo Alto, CA.

Lawrence P. Carter, Ph.D
Medical Affairs Scientist
Jazz Pharmaceuticals, Inc.
1206 E. Wylie Street
Bloomington, IN 47401
Office: 812-961-8988
Cell: 812-325-5693
Fax: 812-961-2989
Email: Larry.Carter@jazzpharma.com

Bill Fantegrossi has joined the University of Arkansas for Medical Sciences

William E. Fantegrossi, Ph.D.
Assistant Professor
Department of Pharmacology & Toxicology
College of Medicine
University of Arkansas for Medical Sciences
4301 W. Markham Street - Mail Slot 638
Little Rock, AR 72205-7199
Phone: (501) 686-8883
Fax: (501) 686-8970
email: WEFantegrossi@uams.edu

Steve Negus has joined the Virginia Commonwealth University

S. Stevens Negus, PhD
Professor, Dept. Pharmacology & Toxicology
Virginia Commonwealth University
410 North 12th St.
Robert Blackwell Smith Building
P.O. Box 980613
Richmond, VA 23298-0613
Phone: 804-828-3158
Fax: 804-828-2117
email: ssnegus@vcu.edu

EXCIPIENTS (continued)

Jenn Newman has joined the Alcohol & Drug Abuse Research Center at McLean Hospital
Jennifer L. Newman, Ph.D.
Harvard Medical School
Alcohol and Drug Abuse Research Center
McLean Hospital
115 Mill St.
Belmont, MA 02478
P: 617.855.2167
F: 617.855.2195
Email: jnewman@mclean.harvard.edu

Gerald Zernig would like to have some work just briefly mentioned in the ISGIDAR newsletter. Recent findings of our group: After having demonstrated that acetylcholine and not dopamine – is systematically increased during the acquisition of drug reinforcement (Crespo et al. 2006, J Neurosci 22:6004), we could show that muscarinic and nicotinic acetylcholine receptors in the nucleus accumbens core are preferentially activated by drug- vs food reinforcers. To summarize, our results require a modification of the dopamine theory of reward.

Jonathan Katz would like to know: Is it too late to list my Bar Mitzvah under “Excipients?”