

# THE ISGIDAR NEWSLETTER

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## CORRESPONDENCE

### ABOUT ISGIDAR:

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### ABOUT ISGIDAR NEWSLETTER

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## Electronic Access Information

**ISGIDAR Web Address:** <http://views.vcu.edu/cpdd/isgidar/>

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[isgidar@hookup.net](mailto:isgidar@hookup.net)

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## 1997 Meeting of ISGIDAR- Nashville, TN -- June 14, 1997 -- Program

Does information modulate reinforcing or other effects of nitrous oxide in healthy volunteers? (Author: J. Zacny)

Difficulties in establishing oral amphetamine as a reinforcer. (Authors: R. Meisch & M. Macenski)

Oral cocaine as a reinforcer for rhesus monkeys: The role of conditioned place preferences. (Author: R. Meisch)

Non-contingent reinforcer delivery: Effect of alternatives and reinforcer magnitude. (Authors: R. Foltin and S. Evans)

Cocaine and procaine self-administration under progressive ratio schedules in monkeys. (Authors: K. Sonntag, J. Rowlett, & W. Woolverton)

Effects of corticosterone on cocaine self-administration in rats: Role of type I and type II corticosteroid receptors. (Authors: J. Mantsch and N. Goeders)

Psychostimulant-induced increases in responding for electrical brain stimulation in female vs. male rats. (Authors: J. Stratmann, R. Milholland, & R. Craft) Note: J. Stratmann was the winner of the ISGIDAR Student Travel Award.

Is caffeine reinforcing in rodents? (Authors: S. Dworkin & G. Gatto)

Delay discounting in opioid-dependent patients and non-drug-control participants: Drug and monetary rewards. (Authors: G. Madden, N. Petry & W. Bickel)

Oral triazolam self-administration in baboons revisited. (Author: N. Ator)

## New Members in ISGIDAR - November 1996 to October 1997

*Eric Donny*  
*Univ. of Pittsburgh*

*Mohammed Shoaib*  
*Institute of Psychiatry, London, UK*

*Jeffery Kirk*  
*Univ. of Chicago*

*Joshua Rodefer*  
*Univ. of North Carolina*

*Stephen Wachtel*  
*Univ. of Chicago*

*Mitch Macenski*  
*Univ. of Texas*

*Andrew Morral*  
*Allegheny Univ. of Hlth Sci.*

*John Glowa*  
*LSU Medical School.*

### Bibliography of ISGIDAR Members: Recent Publications

**Kelly R. Powell**  
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Powell, K.R. and Holtzman, S.G.: (in press) Lack of NMDA receptor involvement in caffeine-induced locomotor stimulation and tolerance in rats. *Pharmacol. Biochem. Behav.*

Powell, K.R. and Holtzman, S.G.: (submitted) Differential antagonism of kappa opioid agonists by naltrexone and norbinaltorphimine in squirrel monkeys: evidence of kappa receptor multiplicity. *J. Pharmacol. Exp. Ther.*

Powell, K.R. and Holtzman, S.G.: (in press) Opioids modify the discriminative stimulus effects of *d*-amphetamine in squirrel monkeys. *NIDA Research Monograph*. Presented at CPDD, Nashville, TN.

Award: 1997 Recipient of CPDD Travel Award

**John D. Roache**  
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Roache, JD, Stanley, MA, Creson, DL, Meisch, RA, and Shah, NN. Diazepam reinforcement in anxious patients. *Exper. Clin. Psychopharmacol.* 4:308-314, 1996.

Spiga, R, Macenski, MJ, Meisch, RA, and Roache, JD. Human ethanol self-administration I: The interaction between response requirement and ethanol dose. *Behav Pharm.* 8:91-100, 1997.

Roache, JD, Stanley, MA, Creson, DR, Shah, NN, and Meisch RA. Alprazolam-reinforced medication use in outpatients with anxiety. *Drug Alc. Depend.* 45:143-155, 1997.

Spiga, R. and Roache, JD. Drug self-administration in humans: A review and methodologic critique. In: *Drug Addiction and Its Treatment: Nexus of Neuroscience and Behavior*. Johnson, BA and Roache, JD (eds) Lippencott-Raven Publishers, Philadelphia, pp.39-71, 1997.

**\*\*Note a new book of interest to ISGIDAR has recently been published. "Drug Addiction and Its Treatment: Nexus of Neuroscience and Behavior", Johnson, BA and Roache, JD (eds) Lippencott-Raven Publishers, Philadelphia, 1997. 43 authors contributed to 19 chapters addressing Behavioral Processes, Neurobiological Processes, New Horizons in Neuroscience, and Treatment Applications. Many of the contributors are members of ISGIDAR, CPDD, or NIAAA. Chapters are written to illustrate procedures and conclusions drawn from different areas of expertise.**

### Bibliography of ISGIDAR Members: Recent Publications (cont'd)

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Goeders, N.E. and G.F. Guerin. Effects of Self-Administered Cocaine on Schedule-Controlled Responding in Rats. NIDA Research Monograph, Problems of Drug Dependence, 1995, L.S. Harris, ed., NIH publication number 96-4116, pp. 343, 1996.

Simar, M.R., D. Saphier and N.E. Goeders. Cocaine-Induced Neuroendocrine and Behavioral Responses in Fischer and Lewis Rats. NIDA Research Monograph, Problems of Drug Dependence, 1995, L.S. Harris, ed., NIH publication number 96-4116, pp. 239, 1996.

Goeders, N.E. and G.F. Guerin. Role for Corticosterone in Intravenous Cocaine Self-Administration in Rats. Neuroendocrinology 64: 337-348, 1996. Reprints available

Simar, M.R., D. Saphier and N.E. Goeders. Differential Neuroendocrine and Behavioral Responses to Cocaine in Lewis and Fischer Rats. Neuroendocrinology 63: 93-100, 1996. Reprints available

Goeders, N.E. and G.F. Guerin. Effects of Surgical and Pharmacological Adrenalectomy on the Initiation and Maintenance of Intravenous Cocaine Self-Administration in Rats. Brain Research 722: 145-152, 1996. Reprints available

Goeders, N.E., B.D. Irby, C.C. Shuster and G.F. Guerin. Tolerance and Sensitization to the Behavioral Effects of Cocaine in Rats: Relationship to Benzodiazepine Receptors. Pharmacol. Biochem. Behav. 57: 43-56, 1997. Reprints available

Goeders, N.E. Stress, the HPA Axis, and Vulnerability to Drug Abuse. NIDA Research Monograph, Laboratory Behavioral Studies of Vulnerability to Drug Use, (in press), 1997.

Goeders, N.E. and G.F. Guerin. Effects of Ketoconazole on Intravenous Cocaine Self-Administration in Rats. NIDA Research Monograph 174, Problems of Drug Dependence, 1996, L.S. Harris, ed., NIH publication number 97-4236, pp. 180, 1997.

Mantsch, J.R. and N.E. Goeders. Role of Corticosterone in the Discriminative Stimulus Properties of Cocaine. NIDA Research Monograph 174, Problems of Drug Dependence, 1996, L.S. Harris, ed., NIH publication number 97-4236, pp. 81, 1997.

Goeders, N.E. A Neuroendocrine Role in Cocaine Reinforcement. Psychoneuroendocrinology 22: 237-259, 1997. Reprints available

Simar, M.R., D. Saphier and N.E. Goeders. Dexamethasone Suppression of the Effects of Cocaine on Adrenocortical Secretion in Lewis and Fischer rats. Psychoneuroendocrinology 22: 141-153, 1997. Reprints available

Mantsch, J.R. and N.E. Goeders. Generalization of a Restraint-Induced Discriminative Stimulus to Cocaine in Rats. Psychopharmacology (in press) 1997.

Goeders, N.G. and G.F. Guerin. Ketoconazole Reduces Low Dose Cocaine Self-Administration in Rats. Psychopharmacology (in revision) 1997.

Mantsch, J.R. and N.E. Goeders. Reinstatement of cocaine self-administration by a conditioned stressor following chronic extinction. NIDA Research Monograph, Problems of Drug Dependence, 1997, L.S. Harris, ed., NIH publication number (in press) 1997.

**William L. Woolverton, Ph.D.**

Professor and Director, Division of Neurobiology and Behavior Research  
Department of Psychiatry and Human Behavior  
University of Mississippi Medical Center  
2500 N. State Street, Jackson, MS 39216  
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Rowlett, J.K. and Woolverton, W.L.: Discriminative-stimulus effects of zolpidem in pentobarbital-trained subjects: I. Comparison with triazolam in rhesus monkeys and rats. J. Pharmacol. Exp. Ther. 280: 162-173, 1997

Rush, C.R., Madakasira, S., Goldman, N.H., Woolverton, W.L. and Rowlett, J.K.: Discriminative-stimulus effects of zolpidem in pentobarbital-trained subjects: II. Comparison with triazolam and caffeine in humans. J. Pharmacol. Exp. Ther. 280: 174-188, 1997.

Woolverton, W.L. and English, J.A.: Effects of some phenylethylamines in rhesus monkeys trained to discriminate (+)-amphetamine from saline. Drug Alc. Dep. 44: 79-85, 1997.

Woolverton, W.L., English, J.A. and Weed, M.R.: Choice between cocaine and food in a discrete trials procedure in monkeys: A unit price analysis. Psychopharmacology, in press.

Weed, M.R., Paul, I.A., Dwoskin, L.P., Moore, S.E. and Woolverton, W.L.: The relationship between reinforcing effects and in vitro effects of D1 agonists in monkeys. J. Pharmacol. Exp. Ther., in press.

Rowlett, J.K. and Woolverton, W.L. Self-administration of cocaine and heroin combinations by rhesus monkeys under a progressive-ratio schedule. Psychopharmacology, in press.

## POSITIONS AVAILABLE

### FACULTY POSITION: DRUG ABUSE RESEARCH

Applications are invited for a non-tenure track faculty position in the Department of Psychiatry and Human Behavior at the University of Mississippi Medical Center. The position will be at the ASSISTANT or ASSOCIATE PROFESSOR level, depending upon qualifications. Candidates should have a Ph.D. in Pharmacology, Psychology, or Neuroscience and expertise in drug abuse research using non-human subjects. Preference will be given to individuals with expertise using non-human primates. The successful candidate will be expected to develop an externally-funded research program and to establish collaborative relations with other scientists within the department. Salary will be commensurate with rank. Applicants should send curriculum vitae, a statement of current and future research goals and names of three references to:

William L. Woolverton, Ph.D.  
Chair of Search Committee  
Department of Psychiatry and Human Behavior, The University of Mississippi  
Medical Center, 2500 North State Street  
Jackson, MS 39216.

Applications will be accepted until the position is filled. Equal Opportunity Employer, M/F/D/V.

### POST-DOCTORAL/RESEARCH ASSOCIATE

Division of Neurobiology and Behavior Research, Department of Psychiatry, University of Mississippi Medical Center. Develop, implement and publish research relating to the behavioral neuropharmacology of abused drugs, particularly drug self-administration and drug discrimination in non-human primates. The relationship between in vitro or in vivo neuropharmacology and behavior is of central interest. Ph.D. in pharmacology, neuroscience or psychology is required. Salary commensurate with experience. Send c.v., statement of research goals, and names of three references to: William L. Woolverton, Ph.D., Department of Psychiatry and Human Behavior, The University of Mississippi Medical Center, 2500 N. State Street, Jackson, MS, 39216. EOE, M/F/D/V.

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### MEDICAL COLLEGE OF VIRGINIA, DEPARTMENT OF PHARMACOLOGY

Postdoctoral research positions are available in laboratory animal behavioral pharmacology. Positions are possible utilizing almost any behavioral pharmacological approach to the study of the behavioral and/or neurochemical mechanisms mediating the activity of the drugs of abuse. Ongoing studies utilize mice, rats, squirrel monkeys, and rhesus monkeys in discrimination, self-administration, and other operant and respondent procedures involving several routes of drug administration including the intravenous, oral, and inhalation routes. Of particular current emphasis are studies involving the pharmacology of excitatory amino acid agents, the development of medications for the treatment of drug-dependency disorders, the pharmacology of behaviorally-active inhalation agents, and the development of drug relapse procedures synthesizing operant and respondent methodologies. Many opportunities exist for collaborating with other researchers in the department who have major research foci upon the cannabinoids, nicotine, and the opiates. Send vita, letter of interest, and names and telephone numbers of 2 references to: Patrick M. Beardsley, Ph.D. or Robert L. Balster, Ph.D.; Medical College of Virginia, Department of Pharmacology, P.O. Box 980613, Richmond, VA 23298-0613. (804) 828-5185.

### Secretary's Notes:

*For ISGIDAR bibliography submissions, transmit references via e-mail or snail mail to James P. Zacny, Department of Anesthesia & Critical Care, MC4028, University of Chicago, 5841 S. Maryland Avenue, Chicago, IL 60637. E-mail address: [zacn@midway.uchicago.edu](mailto:zacn@midway.uchicago.edu)*

*NOMINATIONS FOR ISGIDAR: Everyone is encouraged to submit nominations for ISGIDAR membership to the president at the address on the front of the newsletter. New members are essential to maintaining ISGIDAR as a vigorous organization. A letter of recommendation and vita are needed to be considered.*

*The ISGIDAR membership would like to thank Richard Lamb for his most excellent service to ISGIDAR serving as President the last two years, and before that secretary to ISGIDAR. Thanks for a job well done!*