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PSYCHOPHARMACOLOGY AND SUBSTANCE ABUSE NEWS



Division 28
American
Psychological Association

From the President's Desk

-John Roll, PhD

I hope you are having an enjoyable summer. With all of the Federal Stimulus money funneling into the research efforts of NIH, I imagine you, like me, have been busy writing and reviewing grants. In fact, I'm on my way to DC as I write this for a review session. One thing I've noted as I have been reviewing and collaborating on grants this summer is that the scientific study of addiction is robust and strong. I've also been pleased to see the respectful and exciting multidisciplinary efforts that have paired addiction researchers and clinicians with researchers



from other fields of inquiry. These collaborations would seem to hold great promise for providing us all with exciting new results that may further advance our field. It has been especially gratifying to me to see the centrality of the work conducted by the early members of Division 28 to establish the utility of a reinforcement based account of drug abuse featured in many of these new efforts. We truly are standing on the shoulders of giants and there are clearly new giants among our members who are charting new territory, which I expect will inform inquiry for decades to come. This year has also been filled with opportunities for us to influence policy matters. Some may shun policy issues but my belief is that we need to take an active role in making sure that, when appropriate, our science influences policy. Clinical policy, after all, dictates the nature of the practice environment into which many of our efforts may eventually be disseminated. One immediate area where we may have the opportunity to impact policy is with the new FDA regulations surrounding tobacco. The Executive Committee is engaged in exploration of how best to participate in the discussions and decisions this new regulation is spawning. We will keep you apprised of relevant information as this unfolds.

As you know, we have also prepared a document on the potential merger of NIDA and NIAAA. The final document will be disseminated to you during July. After surveying the membership and allowing you to respond to several versions of the document we have concluded that we can neither support nor oppose the merger at this time. Instead, we have set forth issues that we believe would need to be addressed if we were to eventually support a merger.

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I would like to acknowledge and thank Dr. John Grabowski for his efforts in preparing this document.

The most exciting news is that Convention time is almost upon us. Dr. Sarah Tragger has done a tremendous job in preparing the program. This is a time-consuming, often thankless job. Sarah has come through for us with flying colors as I think you'll agree when you peruse the programming which is included in the newsletter. I hope many of you will be able to attend this year's convention.

I would also like to congratulate the winners of this year's Divisional Election. Dr. Mark Greenwald has been selected for the position of President-Elect and Dr. Wendy Lynch has been elected Member-at-Large. I know they will make lasting contributions to the Division in their new roles.

Finally, I want to thank each of you for your continued support of Division 28. I understand firsthand how the proliferation of scientific societies and meetings can spread one's time and resources. I appreciate very much your continued support of what I consider to be one of the most important -Division 28 of the American Psychological Association.

As always please feel free to contact me with any ideas you have about improving the Division. Email: johnroll@wsu.edu, Phone: (509) 324-7223

John L. Falk

-Rosalind Cartwright, PhD and Charles R. Schuster, PhD

John Lionel Falk, 81, of Minneapolis, passed away on Monday March 23rd, 2009, at his home on Summit Avenue. Born in Toronto, Dr. Falk was a distinguished research psychologist in Psychopharmacology.

In 2001 Dr. Falk retired after 31 years as Professor of Psychology at Rutgers University where he taught and developed a well-funded laboratory for research in psychopharmacology of drug abuse.

He was educated at McGill University in Montreal where he received a B.A. degree in Psychology and English and M.A. in Psychology. His PhD Degree was awarded from the University of Illinois Urbana in Experimental Psychology.

He held post-doctoral position at Harvard Medical School, Boston, (Departments of Pharmacology and Nutrition). Dr. Falk held academic positions as Assistant Professor at University of Colorado-Boulder, University of Michigan-Ann Arbor, Associate Professor at University of Arizona-Tempe, before his appointment at Rutgers.

Dr. Falk was a long time member of a Study Section for the National Institutes of Health NIDA and from 1991-1995 he was a member of the Advisory Council for NIDA. In 1981 he was elected President of the Psychopharmacology Division of the American Psychological Association. He received a number of awards and honors, among them: Research Scientist Award from the NIDA (1990-1999), the Solvay Award for Psychopharmacology (1997), and the Board of Trustees Award for Excellence in Research, Rutgers University (1997).

Dr. Falk was also a talented poet who published two of his collections: *Snow and Other Guises*, in 2000 and *Holding Out*, in 2005. He was also published in various poetry magazines.

Strategic Mentoring: A Case Study

-Travis Thompson, PhD

Mentor was the guide and advisor of Odysseus's son, Telemachus in Homer's *Odyssey*, which is the origin of the word that we use today to refer to an experienced and trusted advisor or guide. During my formative years, several faculty colleagues served as influential guides who shaped my professional development. More importantly, they served as models of what it means to be a mentor.

As an undergraduate I was drawn to Psychology by Kenneth MacCorquodale, who taught courses on behavior analysis in the Department of Psychology at the University of Minnesota. MacCorquodale was a remarkable teacher, who had been one of the first graduate students to study with B.F. Skinner when he was at the University of Minnesota. Gordon Heistad, who had been a student of Howard Hunt's at the University of Chicago and a classmate of Joseph Brady, served as my doctoral advisor, who stimulated my interest in the newly emerging field of behavioral pharmacology. I consumed Peter Dews's 1955-59 papers with a voracious appetite, concluding Dews was to behavioral pharmacology what Charlie Parker was to jazz. His work turned my scientific world upside down.

When I completed my doctorate, Heistad urged me to pursue postdoctoral work with Joseph Brady at the University of Maryland. At the Psychopharmacology Laboratory of the University of Maryland, Brady modeled scientific leadership. Joe is a strategic thinker who surrounded himself with the brightest people he could find, both at Walter Reed and at the Maryland Laboratory. At Maryland, that included Charlie Ferster, Lou Gollub, Stanley Pliskoff, Jack Findley, and Bob Schuster (who was still a graduate student). I learned from Joe the importance of creating the necessary infrastructure to support research. Our professional staff included a full time veterinarian and an engineer who designed Ed Foringer's original rat operant laboratory equipment. While Joe provided essential infrastructure, the digs weren't always palatial. Bob Schuster and I shared our first monkey drug self-administration lab that was a foyer to the building's men's restroom.

When I returned to the University of Minnesota, I was asked to assume the leadership of the Department of Psychiatry's new animal research laboratory, which became our behavioral pharmacology laboratory. I applied for NIMH and NSF grants, and a University of Minnesota Graduate School research grant in my first year on the faculty, and garnered all three. Fred Shideman (Chair of Pharmacology) and Gordon Heistad (Head of the Psychiatry Research Unit) also asked me to direct the new Psychopharmacology Training Program for which they had received NIMH funding. Applying Joe Brady's maxim of surrounding yourself with the brightest people you could find, I recruited Roy Pickens as our first post-doctoral fellow, fresh out of Ole Miss. Among the first cohort of graduate students that enrolled in our new training program were George Bigelow, John Grabowski, Roland Griffiths, and Richard Meisch, not a shabby lot young scientists.

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“... Dews was to behavioral pharmacology what Charlie Parker was to jazz. His work turned my scientific world upside down.”

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When Sheldon Sparber completed his PhD in pharmacology and joined the faculty, I invited Sheldon Sparber, Roy Pickens and Dick Meisch to join me as the leadership team of our training program. Dick was an MD-PhD with a background in philosophy of science and pharmacology. Roy was a pragmatic experimentalist who was rapidly emerging as moving force in our laboratory, and Sheldon was one of the first pharmacology PhDs trained by Fred Shideman in neurobehavioral pharmacology. Table 1 presents a partial list of the 47 doctoral students whom I have mentored. Table 1 (see page 5) shows doctoral students specifically supported by our training grant in behavioral pharmacology that have gone on to make substantial independent contributions. Some did their dissertation research addressing operant theoretical questions in animal or human subjects, but most pursued pharmacological investigations.

I wanted our doctoral students to look back upon their graduate training as a positive experience that gave direction to their professional lives, and created a set of scientific values. Graduate education is all about the working relationship between student and mentor. If it is a relationship of mutual respect, then you're half

way there. At our weekly mentoring meetings, occasionally students would show up in my office wearing a defeated expression. They muttered something about their data being garbage. The hardest lesson for graduate students to learn is that there are always regularities to be found in their data no matter how chaotic they may initially appear. The secret is helping them learn which questions to ask in ferreting out those regularities.

In advising graduate students, I adopted the credo, *thou shalt not whine*. If you have a problem, come to me with a description of the problem, your analysis of the situation, and what you've tried so far and what happened as a result. Then you won't need to whine because we'll find a solution together. The opportunity to problem solve and think together is a critical part of mentoring. Faculty, graduate students and postdoctoral fellows affiliated with our laboratory gathered at my home on Wednesday evenings for a *Seminarty*, to discuss research, propose research, and to review relevant literature. Ample beer, chips, and dip were used to lubricate the discussion that began at 7pm and often lasted until after 10pm.

We came up with the idea that drugs serve the same functions as more familiar variables in the analysis of behavior, or modulate those variables. That is what is meant by *behavioral mechanisms of drug action*, the pursuit of which was our laboratory's mission. One of my goals was to assist up and coming stars, like Roy Pickens, Dick Meisch, and John Grabowski to launch independent careers. Roy and Dick garnered faculty appointments at Minnesota. I asked them to serve as Co-Principal investigators on one of the grants for which I was applying. At the beginning of the third year of the five year grant award, I wrote to the funding agency and indicated that our roles as PI and Co-PI were going to be reversed, i.e. Roy or Dick would become PI and I would be Co-PI. That way, when it came time for competitive renewal application, they would have served as PI for two years, making them more credible as PI. The strategy worked well, and I believe both of them successfully obtained cont-

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Editorial Policy:

Psychopharmacology and Substance Abuse News is a thrice-yearly publication of Division 28. It is devoted to keeping its members informed about the activities of Division 28 and to news and comments concerning all aspects of psychopharmacology and substance abuse. Articles, comments, announcements, and advertisements should be sent to Bill Stoops at william.stoops@uky.edu.

Table 1. Selected list of behavioral pharmacology trainees, University of Minnesota 1967-1992

Sparber, Sheldon B., PhD, 1967, The Effect of Centrally Acting Drugs Administered during Embryogenesis upon Behavioral and Biochemical Development. (Co-Advisor: Pharmacology Major).

Bigelow, George, PhD, 1969, Fixed Ratio Schedule of Inter-response Time Reinforcement. (Psychology)

Grabowski, John, PhD, 1970, Temporal Patterning of Avoidance Responding as a Function of Added Stimulus Manifestations. (Psychology)

Meisch, Richard, PhD, 1970, Self-Administration of Ethanol by the Rat. (Pharmacology, Co-Advisor)

Cherek, Don, PhD, 1972, Effects of Schedule Contingencies and Delta 1-Tetra- hydrocannabinol on Schedule-Induced Aggression. (Psychology)

Griffiths, Roland, PhD, 1972, The Effects of Pentobarbital on Extinction Responding in Rats. (Psychology)

Smith, James, E., PhD, 1973, The Uptake and Distribution of H3 Uridine into the Brains of Rats Exposed to Various Behavioral Contingencies - A Biochemical Analysis. (G.T. Heistad, Co-Advisor) (Psychology)

Gray, David B., PhD, 1974, The Effects of Etiology, Drug and Visual Stimuli on Fixed-Interval Panel Pushing in a Population of Down's and non-Down Syndrome Retarded Males. (I.Gottesman, Behavior Genetics, Co-Advisor) (Psychology)

Young, Alice M., PhD, 1976, Effects of Morphine and Naloxone on Schedule-Cont rolled Behavior in the Rat and Pigeon. (Psychology)

Henningfield, Jack, PhD, 1977, Drinking of Ethanol by Rhesus Monkeys: Characteristics of Ethanol as a Positive Reinforcer. (R.A. Meisch, Pharmacology, Co-Advisor) (Psychology)

Penetar, David, PhD, 1977, Adjunctive Self-Administration of Thiopental and Ethanol during Multiple Fixed-Ratio Schedules (Psychology)

Poling, Alan, PhD, 1977, Suppression of Ethanol-Maintained Lever Pressing by Contingently Delaying Food Availability. (Psychology)

Slechta, Deborah Cory, PhD, 1977, The Effects of Chronic Lead Administration in Fixed-Interval Performance in the Rat. (Psychology)

Beardsley, Patrick, PhD, 1982, Oral Ethanol Self-Administration by Monkeys. (R.A. Meisch, Pharmacology, Co-Advisor) (Psychology)

Kelly, Thomas H., PhD, 1983, The Effects of Methadone on the Behavioral Mechanisms of Conditioned Reinforcement and Deprivation in the Pigeon. (Psychology)

Nader, Michael, PhD, 1985, Reinforcement History and Behavioral Effects of Methadone. (Psychology)

Cohen, Carolyn, PhD, 1989, A Comparison of Procedures for Inducing Neonatal Undernutrition on Brain Development and Function: Adult Rats. (S. Sparber, Co-advisor, Pharmacology)

Macenski, Mitchell, PhD, 1991, Effects of Methadone and Buprenorphine on Food Maintained Responding Under a Progressive Ratio Schedule: An Examination of Reinforcement Efficacy. (Co-Advisor with R. A Meisch)

Jewett, David C., PhD, 1992, Discriminative stimulus effects of neuropeptide Y. (A. Levine, Co-Advisor, Psychiatry & Pharmacology; J. B. Overmier, Co-Advisor, Psychology) (Psychology)

Attending the APA Convention? Some Resources and Tips

-Jennifer Brielmaier

This year's APA Convention is just around the corner. The Convention will be held in Toronto, Ontario, from August 6-9 and features plenty of programming geared specifically towards students. If you are attending this year's Convention, be sure to check out the APAGS Convention page at <http://www.apa.org/apags/convention.html>. Here you will find information on APAGS-sponsored programs as well as a Convention survival guide for students. Another very helpful, more general guide (Fischer & Zigmond, 2006) is available at the University of Pittsburgh's Survival Skills and Ethics Program website (<http://www.survival.pitt.edu>). The APA Science Student Council (APASSC) has also put together some great sessions for research-oriented students. More information about the SSC sessions will be sent via email in the coming weeks. Last, but certainly not least, Division 28 has once again organized a terrific program (search for sessions at <http://www.apa.org/apags/convention.html>). Highlights include invited addresses by the Outstanding Dissertation and Young Psychopharmacologist Award winners and poster sessions at which quite a few students will present their research. Plans are also being made for a Division 28 hospitality suite, which is a great place to meet and talk to fellow division members. Information about the hours and location for the suite will be sent via email. If you are attending the Convention, send me an email at jbrielma@gmu.edu or post to the discussion board on the division's Facebook group page. Depending on the number of student affiliates attending, a get-together may be planned.

Postdoctoral Mentoring Plans

-Jennifer Perry, PhD

The National Institutes of Health (NIH) and National Science Foundation (NSF) define a postdoc as *an individual who has received a doctoral degree (or equivalent) and is engaged in a temporary and defined period of mentored advance training to enhance the professional skills and research independence needed to pursue his or her chosen career path.*

Dr. Ignacio David Acevedo-Polakovich, an Early Career Psychologist and faculty member at Central Michigan University concurs. "The postdoc should round out your doctoral training and set you in the direction you envision your career going in." He adds, "In terms of skills, my postdoc added to my predoc training, and I got to practice other very important skills: grant and contract writing. My postdoc mentor also networked me into the community of scholars doing work in that area."

So, how do early-career psychologists, such as Dr. Acevedo-Polakovich know when their training period is over? When they're ready to take the next step towards independence and begin looking for a faculty position?

The National Postdoctoral Association (NPA; www.nationalpostdoc.org) suggests developing a mentoring plan at the onset of one's postdoctoral training. Indeed, some grants that include support for postdocs even require such a plan upon submission (e.g., NSF grants, NIH National Research Service Awards). The mentoring plan provides an outline of the experiences and activities that the postdoc will be involved in, and how each of those activities will contribute to the postdoc's career goals. Upon completion of this mentoring plan, a postdoc should have the skills and resources necessary for developing an independent career.

Self-assessment is critical for the development of a mentoring plan. Assess your skills/strengths and areas that need development. Identify your long-term career goals and the tools that will be necessary to meet these goals. Also identify short-term needs for im-

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Postdoctoral Mentoring Plans, Continued from Page 6

provement, such as laboratory skills that will increase your productivity or written communication skills that will increase your likelihood of publication.

Next, find experiences that will enhance your skills in areas that need development. For example, if you struggle with public speaking, find opportunities to present your research to your colleagues. Discuss your self-assessment and opportunities with your postdoc mentor. He/she would likely be a great resource for identifying additional strengths/needs and creating more opportunities. Furthermore, scheduling regular meetings with your mentor to discuss your mentoring plan will help both you and your mentor track your progress, identify additional strengths/needs, and keep you focused on achieving your goals – namely, research independence and that first faculty position.

For more information on developing a mentoring plan, see: <http://opa.faseb.org/pdf/idp.pdf> or <http://www.nationalpostdoc.org/publications/mentoring-plans/mentoring-plan>

Division 28 Award Winners

-David Festinger, PhD

Division 28 is pleased to announce this year's distinguished group of award winners. This year's nominations resulted in a particularly close race in all categories due to the stellar group of candidates. As such, all nominees should be congratulated. Division 28 traditionally presents three separate awards to honor individuals who have displayed excellence and achievement at different stages of their academic and scientific careers.

The first award, the **Outstanding Dissertation Award**, must be based on a completed dissertation in psychopharmacology or substance abuse. This award honors the best doctoral dissertation in psychopharmacology and substance abuse of the past year. The winner of this award receives a \$250 cash prize, an engraved plaque, and travel support to attend and present an address at this year's annual APA convention. This year's very deserving winner is Darrick Balu, PhD for his dissertation entitled "Enhanced Sensitivity of the MRL/MpJ Mouse to the Neuroplastic and Behavior Effects of Antidepressant Treatments."

The second award, the **Wyeth Young Psychopharmacologist Award**, encourages excellence in research at the interface between the disciplines of pharmacology and psychology, by honoring a young scientist who is conducting meritorious work in psychopharmacology. The winner of this award receives a cash prize of \$500, an engraved plaque, and travel support to attend and present an address at this year's convention. The division is honored to name Jennifer Perry, PhD the recipient of this year's award. Dr. Perry's address at this year's convention is entitled "Psychostimulants and impulsive choice in rats."

Finally, the **Brady-Schuster Award (sponsored by MED Associates)**, is designed to honor senior scientists who have conducted outstanding research underscoring the fundamental importance of behavioral science to psychopharmacology or substance abuse. The winner of the award receives a cash award of \$500, an engraved plaque, and travel support to attend and present an address at this year's annual convention. This year, Division 28 proudly honors Victor G. Laties, PhD, for his unmatched commitment to exceptional research and his revolutionary contributions to the field of behavioral pharmacology. His interests in the human behavioral effects of psychoactive drugs and toxic substances pioneered a series of influential reviews on, for example, meprobamate, carbon monoxide, and amphetamine. In addition to his tremendous scientific contributions, Dr. Laties has served as the Secretary-Treasurer for the Society for the Experimental Analysis of Behavior (SEAB) and Executive Editor of the Journal of the Experimental Analysis of Behavior (JEAB). Since his retirement in 1993, he remains an active and influential voice, carefully managing the Web page for the SEAB journals. Dr. Laties' address at this year's meeting will focus on B. F. Skinner's Contributions to Behavioral Pharmacology.

Division 28 is proud to honor this year's winners who truly exemplify dedication and excellence in psychopharmacology and science. We strongly encourage all members to attend the awardees' addresses during this year's conference in Toronto.

Strategic Mentoring, Continued from Page 4.

inued funding on their own based on an established track record. It is useful to remember that a graduate student is a young colleague who will one day vote a priority score on your grant application.

We also wrote and edited several books together, including *Readings in Behavioral Pharmacology*, *Stimulus Properties of Drugs* and a book on the first major behavior analysis-based intervention program for people with developmental disabilities (*Behavior Modification of the Mentally Retarded*), by John Grabowski and me, which played a role in deinstitutionalization in Minnesota. These experiences gradually exposed them to the successes that came with professional competence.

I have always believed in the value of providing high attainable expectations for trainees, combined with positive support. Nearly all students rise to the occasion if given the opportunity. Effective mentoring involves assisting students and postdoctoral fellows in developing their own strategies for posing and answering important questions. Technique-oriented tactics are generally ineffective because their applicability is limited. Big picture strategies based on solid theoretical underpinnings, that can apply to nearly any new problem are generally more successful. It is easy for a faculty member to look good if they surround themselves with bright students who are excited about what they're doing, and who assimilate these effective strategies, which are essential ingredients in effective mentoring.

Integrative Neuroscience Initiative on Alcoholism: Stress, Anxiety, and Alcohol Abuse. Call for Pilot Projects. Application Deadline: October 1, 2009

The Integrative Neuroscience Initiative on Alcoholism: Stress, Anxiety, and Alcohol Abuse (aka INIAstress) is soliciting pilot project applications to compliment and enhance the research ongoing in this consortium. The major goal of the INIAstress is to more fully understand neural responses to stress and alcohol, and how they may influence excessive alcohol consumption in organisms ranging from mice to monkeys and humans. We have put together this research consortium to gain much needed information about the neural effects of stress, alcohol and stress/alcohol interactions. Our projects address the expression and function of key neuronal molecules, neuronal activity and synaptic efficacy, genetic factors that contribute to alcohol-stress interactions, as well as stress-related conditioning and ethanol self-administration. Potential applicants are encouraged to visit our web site at www.iniastress.org. Instructions for preparation of pilot projects

Pilot applications must address at least one aspect of our consortium specific aims and actively interact with our Informatics Core. Interaction with the other cores (Gene-Targeted Mouse Core, Mouse Resources Core, Neurosteroid Core) is also encouraged. Again, detailed information concerning all cores and funded projects are available on the web site.

Four pilots will be considered for funding for one to two years with a budget up to \$50,000 per year direct costs, plus indirect costs (per applicant's institutional agreement with DHHS). Second year funding will be contingent upon progress and the availability of funds.

Research descriptions should be prepared using PHS 398 forms found on the NIH website. The information provided should include: a. Face page fully completed and signed by institutional representative. b. Abstract and key personnel. c. A budget, including a **detailed budget** for the first year and a budget for the entire proposed project period (normally two years). Do not include travel funds for either year. d. A biosketch of essential personnel. The following information should not exceed five pages total e. Specific Aims, f. Background and Significance, g. Research Design and Methods. Please describe studies for a two-year period. The following are exempt from the five-page limit h. As applicable, human and animal subjects, women and minority subjects, i. Consortium/collaborative arrangements if applicable, j. Literature cited, k. Appendices.

Submit an electronic copy of the application, including appendices, to Chris Larsen, INIA Manager, at larschri@ohsu.edu. You will receive a confirmation upon submission.

Deadline – October 1, 2009

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- 2) P. Romanowich, J. Mintz, R.J. Lamb. The Relationship Between Self-Efficacy and Reductions in Smoking in a Contingency Management Procedure. Pages 139-145.
- 3) J. Bell, J. Shearer, A. Ryan, R. Graham, K. Korompay, S. Rizzo, D. Sindhusake, A.A. Somogyi. The Acceptability, Safety, and Tolerability of Methadone/Naloxone in a 50:1 Ratio. Pages 146-153.
- 4) P.R. Giancola, C. A. Levinson, M.D. Corman, A.J. Godlaski, D.H. Morris, J.P. Phillips, J.C.D. Holt. Men and Women, Alcohol and Aggression. Pages 154-164.
- 5) R. Vuchinich, D. Wallace, J.B. Milby, J.E. Schumacher, S. Mennemeyer, S. Kertesz. Relations Between In-Treatment and Follow-Up Abstinence Among Cocaine-Dependent Homeless Persons in Three Clinical Trials. Pages 165-172.
- 6) J.M. Carlson, D.G. Gilbert, H. Riise, N.E. Rabinovich, C. Sugai, B. Froeliger. Serotonin Transporter Genotype and Depressive Symptoms Moderate Effects of Nicotine on Spatial Working Memory. Pages 173-180.
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**Congratulations to our newly elected
Division 28 officers: Mark Greenwald
(President) and Wendy Lynch
(Member-at-Large).**

Postdoctoral Alcohol Research Fellowship in Neurocognitive Effects of Alcohol and Other Substance Use/Abuse at the University of Michigan Addiction Research Center (UMARC)

UMARC invites applications from Ph.D.s and M.D.s for its NIAAA funded post-doctoral research training program. The Center has a focused interest in recruiting a fellow with interests in the comorbidity of alcohol and smoking with a specialized focus on neurocognitive effects. The successful candidate will be involved in cognitive testing and functional MRI in longitudinal studies of children, adolescents and adults at risk for alcohol and other drug involvement. We are seeking fellows with previous research experience in MR imaging who are interested in a multidisciplinary approach to the study of these comorbidities and neurocognitive risk. This position is primarily mentored by Jennifer M Glass, Ph.D., with additional mentoring and collaboration opportunities with other faculty, including Mary M Heitzeg, Ph.D. (neuroimaging - fMRI), Jon-Kar Zubieta, M.D., Ph.D. (Neuroimaging – fMRI, PET), and Robert A. Zucker, Ph.D. (developmental psychopathology). UMARC is the research arm of the Substance Abuse Section (<http://www.med.umich.edu/psych/sub/>) within the Department of Psychiatry, and it currently houses 23 projects addressing issues pertaining to the etiology, course, clinical manifestations, and treatment of alcoholism, alcohol problems, and other substance use disorders. The University provides an unusually strong methodological infrastructure for trainees, and a research environment that is rich in interdisciplinary collaborations, including faculty from the Departments of Psychiatry, Psychology, Statistics, Human Genetics, Pharmacology, Emergency Medicine, the Institute for Social Research, and a number of other university-wide Centers and institutes. UMARC's activities are focused in six areas: I. Developmental Psychopathology and Genetics; II. Neuroimaging and Neurophysiological Research; III. Treatment Research; IV. Health Services Research; V. Prevention and Early Intervention; and VI. Research on Sleep and Sleep Problems as Related to Substance Use Disorder. Fellowships offer the opportunity to develop an integrated research program and enhance skills necessary for a successful academic/research career. Applicants must be US citizens or permanent residents with a Ph.D. or M.D. degree. Appointments typically are for two years of training although a third year appointment is sometimes available. Salaries are commensurate with prior postdoctoral experience and NRSA regulations. Applications will be considered as received. Preliminary inquiries may be addressed to Dr. Glass (jglass@umich.edu). The University of Michigan, as an equal opportunity employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. For the formal application, send a CV, three letters of reference, reprints, and a detailed cover letter describing your research interests, potential project foci for the fellowship period, and longer term career goals to:

Kristi R. Jenkins, Ph.D.
Training Program Administrator, University of Michigan
Addiction Research Center
Rachel Upjohn Building
4250 Plymouth Road
Ann Arbor, MI 48109-5740
email: kristirj@umich.edu

Postdoctoral Fellowship in Genetics of Behavioral Risk and Alcohol Abuse/Alcoholism (US citizens/residents)

Training grant position is available for 2-3 years of postdoctoral training in behavioral genetics in the University of Michigan Addiction Research Center (UMARC) <http://www.med.umich.edu/psych/sub/pdf/postdocad.pdf>. The project involves an ongoing collaboration to study the genetics of behavioral risk relevant to alcohol and other drug abuse in a longitudinal (>20 years) sample of nearly 500 families enriched for alcohol and other substance abuse. Psychological and behavioral as well as substance abuse variables are available on close to 2000 individuals, in about half of them since early childhood. A subset of the sample has been genotyped for >1000 SNPs in >100 candidate genes. The data will allow genetic association studies, gene x gene, gene x environment and behavioral pathway analyses. Additional genotyping may also be performed by the fellow as needed although the major effort will be on analysis. Candidates should be recent (<5 years) Ph.D.s in psychology, genetics, bioinformatics, or statistics who seek cross-training in the other disciplines. Interested MDs with expertise in one of these areas are also invited to apply. Please send applications - see link above for requirements - to Dr. Margit Burmeister, margit@umich.edu or Dr. Kristi Rahrig Jenkins (kristirj@umich.edu).

A thank you to our corporate members:
Janssen Division of Ortho-McNeil-Janssen Pharmaceuticals, Inc. (corporate membership support), Reckitt Benckiser Pharmaceuticals (corporate membership support), Grunenthal USA Inc. (corporate membership support), Jazz Pharmaceuticals (corporate membership support), Wyeth Research (Young Psychopharmacologist Award support), and MED Associates (Brady-Schuster Award support).

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. All postdoctoral appointments are designated as security sensitive positions. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action employer.

POSTDOCTORAL POSITION IN DRUG ABUSE RESEARCH:

The University of Vermont announces the availability of a post-doctoral research fellowship positions in an internationally recognized center of excellence for the study of drug abuse. Fellows have opportunities for training in a wide range of treatment-outcome and human laboratory research. Current openings are with SARAH H. HEIL (Sarah.Heil@uvm.edu, 802-656-8712) and STEPHEN T.

HIGGINS (Stephen.Higgins@uvm.edu, 802-656-9614) on projects characterizing nicotine withdrawal in pregnant cigarette smokers and developing efficacious behavioral therapies for cigarette smoking among pregnant women. Applicants must have completed doctoral training in psychology, behavior analysis, or a related discipline and be U.S. citizens or permanent residents. Stipend is supported by an NIDA/NIH Institutional Training Award. For more details on the position please peruse our website <http://www.uvm.edu/~hbpl> or contact the investigators. To apply, please forward a curriculum vitae, statement of research interests, and three letters of reference in c/o Ms. Diana Cain, University of Vermont, Dept. of Psychiatry, UHC Campus, Rm. 3101C Old Hall, MS#482, Burlington, VT 05401.

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.

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

William W. Stoops, Ph.D.
University of Kentucky
Department of Behavioral
Science
140 MBSB
Lexington, KY 40536-0086

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Mark Fillmore
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Jennifer Perry

Division 28 Program

Thursday, August 6, 2009

Friends Research Institute Outstanding Dissertation Award and Wyeth Young Psychopharmacologist Award

8:00 AM to 8:50 AM

Metro Toronto Convention Centre

Summit Room 204

Speakers:

Darrick T. Balu, PhD, Harvard University

Title: Enhanced Sensitivity of the MRL/MpJ Mouse to the Neuroplastic and Behavioral Effects of Antidepressant Treatments (Dissertation Award)

Jennifer L. Perry, PhD, Minneapolis Medical Research Foundation, Minneapolis, MN

Title: Psychostimulants and Impulsive Choice in Rats (Young Psychopharmacologist Award)

MED Associates Brady/Schuster Award

9:00 AM to 9:50 AM

Metro Toronto Convention Centre

Summit Room 204

Speaker:

Victor G. Laties, PhD, University of Rochester Medical Center

Title: B. F. Skinner's Contributions to Behavioral Pharmacology

Fellows Addresses

10:00 AM to 11:50 AM

Metro Toronto Convention Centre

Meeting Room 716A

Chair:

Stephen J. Heishman, PhD, National Institute on Drug Abuse, Baltimore, MD

Speakers:

David J. Drobes, PhD, Moffitt Cancer Center, Tampa, FL

Title: Nicotine Sensitivity and Smoking Withdrawal: Genetic Correlates

Ellen A. Walker, PhD, Temple University

Title: Effects of Chemotherapeutic Agents on Learning and Memory in Preclinical Models

Cynthia A. Crawford, PhD, California State University San Bernardino

Title: Age and Sex Differences in the Effect of Early Methylphenidate Treatment

Anthony Liguori, PhD, Wake Forest University School of Medicine

Title: Lessons for the Road: Commonly Used Drugs and Simulated Driving

Friday, August 7, 2009

Tribute to Murray Jarvik

11:00 AM to 11:50 AM

Fairmont Royal York Hotel

Territories Room

Presidential Address

12:00 PM to 12:50 PM

Fairmont Royal York Hotel

Territories Room

John M. Roll, PhD, Washington State University

Title: Utilizing Treatment Outcome Data to Inform Prevention Efforts

Business Meeting

1:00 PM to 1:50 PM

Fairmont Royal York Hotel

Territories Room

Navigating Change at NIH/NIDA Exciting Opportunities in Tight Times

2:00 PM to 3:50 PM

Metro Toronto Convention Centre

Meeting Room 801B

Chair:

Kristen Huntley, PhD, National Institute on Drug Abuse, Bethesda, MD

Speakers:

David Shurtleff, PhD, National Institute on Drug Abuse, Bethesda, MD

Title: Programs and Priorities: Division of Basic Neuroscience and Behavioral Research

Belinda Sims, PhD, National Institute on Drug Abuse, Bethesda, MD

Title: Programs and Priorities: Division of Epidemiology, Services, and Prevention Research

Lisa Onken, PhD, National Institute on Drug Abuse, Bethesda, MD

Title: Programs and Priorities: Division of Clinical Neuroscience and Behavioral Research

Harold Perl, PhD, National Institute on Drug Abuse, Bethesda, MD

Title: Exciting Opportunities in Tight Times: Grant Mechanisms and Academic Business Partnerships

Teresa Levitin, PhD, National Institute on Drug Abuse, Bethesda, MD

Title: Policy Updates and Changes in Peer Review

NIDA and NIAAA Sponsored Early Career Poster Session and Social Hour

6:00 PM to 7:50 PM

Fairmont Royal York Hotel

Imperial Room

Saturday, August 8, 2009

Effects of Employment, Unemployment, and Punishment on Opioid Seeking Behavior

8:00 AM to 8:50 AM

Metro Toronto Convention Centre

Reception Hall 104D

Chair:

John M. Roll, PhD, Washington State University

Speaker:

Mark K. Greenwald, PhD, Wayne State University

CWC/Health Psychology Applying Behavioral Principles to the Treatment of Addictive Disorders

10:00 AM to 11:50 AM

Metro Toronto Convention Centre

Meeting Room 716B

Chair:

John M. Roll, PhD, Washington State University

Speakers:

Charles R. Schuster, PhD, Wayne State University

Stephen T. Higgins, PhD, University of Vermont

Understanding the Scope and Magnitude of Prescription Drug Diversion in South Florida

11:00 AM to 11:50 AM

Metro Toronto Convention Centre

Meeting Room 711

Chairs:

Gladys E. Ibañez, PhD, University of Delaware

Khary K. Rigg, MS, University of Delaware

Speakers:

Gladys E. Ibañez, PhD,

Title: Correlates of Prescription Drug Use Among Methadone Maintenance Clients, In Treatment Clients, and Street Drug Users

Maria A. Shields, MA, University of Delaware

Title: Life and Times of the Prescription Drug Abuser

Khary K. Rigg, MS,

Title: Nature of Diversion Activities Among Prescription Drug Dealers

Discussants:

Hilary L. Surratt, PhD, University of Delaware

James A. Inciardi, PhD, University of Delaware

Drug Addiction and Learning What Are the Underlying Connections?

12:00 PM to 1:50 PM

Metro Toronto Convention Centre

Meeting Room 717B

Chairs:

Paul Schnur, PhD, National Institute on Drug Abuse, Bethesda, MD

David Shurtleff, PhD, National Institute on Drug Abuse, Bethesda, MD

Speakers:

Gary Aston Jones, PhD, Medical University of South Carolina College of Medicine

Title: Orexin Neurons, Reward Seeking, and Addiction

Colleen A. McClung, PhD, University of Texas Southwestern Medical Center at Dallas

Title: Role for Circadian Genes in Addiction Related Plasticity

Patricia S. Grigson, PhD, Pennsylvania State University College of Medicine

Title: CueInduced Craving and Withdrawal Predicts Drug Seeking and Drug Taking Behavior in Rats

Peter W. Kalivas, PhD, Medical University of South Carolina College of Medicine

Title: Glutamate Homeostasis Theory of Addiction

Poster Session

4:00 PM to 4:50 PM

Metro Toronto Convention Centre

Exhibit Halls D and E

Presenters:

Peter H. Addy, BA, Institute of Transpersonal Psychology

Title: Why Would Anyone Drink a Bottle of Cough Syrup?

Karen Giorgetti, PhD, Youngstown State University

Title: Nonverbal IQ Increases Over Time With Methadone Maintenance Therapy

Robert F. Eme, PhD, Argosy University/Schaumburg

Title: Juvenile Substance Abuse and Attention Deficit/Hyperactivity Disorder

Lavonia Smith LeBeau, PhD, HSRI, Cambridge, MA

Title: Alcohol Abuse Among Young Adults: The Effects of College Attendance

Michele Van Volkom, PhD, Monmouth University

Title: Relationship Between College Students' Employment Status and Alcohol Consumption

Diomaris E. Jurecska, BS, George Fox University

Title: Relationship Between Narcotic Administration and Emergency Department Utilization in a Rural Medical Center

Justin J. Anker, BA, University of Minnesota Twin Cities

Title: Progesterone Metabolite Allopregnanolone Attenuates the Escalation of Cocaine Seeking Behavior in Female Rats

Amy T. Petty, Middle Tennessee State University

Title: Characteristics of Undergraduate Students Who Misuse Prescription Drugs

Julien R. Lemay, University of Ottawa, ON, Canada

Title: Potential Role of CB1 Receptors in Mental Health: Research Proposal

Matthew P. Bradstreet, BA, University of Vermont

Title: Social Discounting and Temporal Discounting Among Pregnant Cigarette Smokers

SuYing Chung, MS, KaiSuan Psychiatric Hospital, Kaohsiung, Taiwan

Title: Efficacy of Fluoxetine in MDD: Grouping by Psychomotor Deficit Level

Stacey C. Sigmon, PhD, University of Vermont

Title: Association Between Illicit Opioid Use at Intake and Subsequent Buprenorphine Stabilization Dose

Grace M. Janusis, MA, University of Rhode Island

Title: Substance Use and Misuse: College Students With and Without Disabilities

Merith Cosden, PhD, University of California Santa Barbara

Title: Change in Alcohol Use Violations as a Function of College Student Parental Notifications

Kelly Dunn, MS, University of Vermont

Title: Characterization of Buprenorphine Withdrawal Following a Double Blind Buprenorphine Taper

Elyse C. Corbett, MS, Colorado State University

Title: Dual Diagnosis in College Students: Psychological Predictors of Treatment Completion

Jacob C. Warren, PhD, Georgia Southern University

Title: Liver and Lung Cancer: Impact of Legal Substances on Mortality

Liza C. Mermelstein, BA, Ohio University

Title: Urban and Appalachian Substance Abusing Adolescents: Importance of Family Environment

Shanna Babalonis, MA, University of Kentucky

Title: Menstrual Cycle Modulation of Benzodiazepines Effects in Healthy Women

Desiree A. Crevecoeur MacPhail, PhD, University of California Los Angeles

Title: Rise in Methamphetamine Abuse in the Latino Community

Kathryn A. Saulsgiver, PhD, University of Vermont

Title: Evaluation of an HIV/Hepatitis C Educational Intervention During Buprenorphine Treatment of Prescription Opioid Abuse

Kelly L. Cervellione, MA, Jamaica Hospital Medical Center, NY

Title: Omega3 for Treatment of Psychiatric Disorders in Childhood and Adolescence

Brent A. Moore, PhD, Yale University School of Medicine

Title: Selegiline Reduces Cannabis Withdrawal and Craving in Outpatient Treatment

Sarah L. Tragesser, PhD, Washington State University

Title: Using the SOAPPR to Investigate Correlates of Risk for Opioid Misuse Among College Students

Judithe Louis, MA, BA, North Carolina Central University

Title: Substance ABUSE Prevention Among African American Women

Sunday, August 9, 2009

Discounting and Addiction What Is the Nature of Discounting?

10:00 AM to 11:50 AM

Metro Toronto Convention Centre

Meeting Room 715A

Chairs:

Warren K. Bickel, PhD, University of Arkansas for Medical Sciences College of Medicine

Susan Mikulich Gilbertson, PhD, University of Colorado Denver/HSC Aurora

Speakers:

Warren K. Bickel, PhD,

Title: Excessive Discounting in Addiction as a Constriction in Temporal Horizon

Susan Mikulich Gilbertson, PhD,

Title: Comparing the Discounting of Temporal and Probabilistic Rewards in Adolescents

Brady Reynolds, PhD, Ohio State University

Title: Delay Discounting as a Behavioral Risk Factor for Cigarette Smoking

Marc Whitman, PhD, University of California San Diego

Title: Impulsivity and Time: How the Experience of Time Influences Decisions

Discussant:

Harriet de Wit, PhD, University of Chicago