



NEWSLINE

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CPDD President's Column

LINDA PORRINO, Ph.D.
PRESIDENT

This is my last column as President of CPDD, so I would like to take this opportunity to let you all know what an honor and privilege it has been to be President of this organization. This has been an eventful year, with all the talk of potential merger of NIDA and NIAAA, the new opportunities that ARRA grants have offered us, and the changes in the leadership of our journal to mention only a few of the events that have shaped our year. Perhaps the best part of the experience for me was all the terrific people that I had the privilege to work with and get to know of over the course of my time as President. Although I always knew that CPDD has many very dedicated and talented members, it was so gratifying to see how many people work so hard and the diversity of their contributions to the field of substance abuse research. I would be remiss if I did not thank our past-President Sharon Walsh for her guidance, our incoming President Anna Rose Childress for her support, Steve Holtzman, our treasurer, for keeping us solvent, the Board of Directors for all of their considerable work this year, our committee chairs for all-too-often unsung efforts, and the entire Executive Office, Marty Adler, Ellen Geller, Toby Adler, Rochelle Davis, Neico Smith and Connie Pollack. They have all made my job easy.

I would like to single out a couple more people, however, who deserve a lot of credit for all that they have done

for CPDD. The first is Sari Izenwasser for all of her hard work as chair of the Program Committee. This committee carries out what is certainly the most visible work of CPDD. They are in essence responsible for the success of our meeting. Their job is not an easy one. The Committee often must choose among many high quality symposium proposals competing for limited time on the program. They need to select the best science but also must represent the many varied aspects of our entire field as well. And that is just the start of the work of the Program Committee. Organizing the oral presentations and poster sessions is another big endeavor. Even though I served on the Program Committee, I did not understand how difficult and time consuming being chair of that committee can be. Sari made it look easy. We have been very lucky to have Sari devote so much of her time and energy to the success of CPDD and our meeting these past few years. She is leaving the committee in good hands, though. Sandy Comer is the new chair and I am sure that she will continue in a long line of exceptional chairs of this committee. So on behalf of all of CPDD, thanks Sari for all that you have contributed to CPDD.

2010 marks the end of an era at CPDD. Bob Balster is stepping down as editor-in-chief of the CPDD journal, *Drug and Alcohol Dependence*. Bob took over as editor in 1998 when he worked together with Ian Stolerman as co-editors. In 2005 Bob went solo as the

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Editor-in-Chief and developed the current structure in which the Editor-in -Chief is assisted by a group of Associate Editors. In fact this year sees the retirement of Chris-Ellyn Johanson as Associate Editor. Chris-Ellyn, of course, did so much to get the journal to where it is today, both as its Editor before Bob and as an Associate Editor.

During Bob’s time as Editor-in-Chief, there have been many, many accomplishments. I asked Bob to give me some information about what has gone on at DAD since he took over and I have to say I was very impressed when I received a very long list of achievements. I will just highlight a couple. In 1998 the journal received 212 submissions. In 2009, the journal received 709 submissions, a nearly 3-fold increase. In 1998 the impact factor was 1.482. In 2008 (the last available), the impact factor increased to 3.371. DAD has consistently been among the top three journals in the substance abuse area in terms of impact factor. Finally, DAD is a founding member of the International Society of Addiction Journal Editors in which Bob played a significant role in developing this organization. We will all miss Bob in his role as Editor-in-Chief, not only for his skill as an editor (it is always painful to have papers rejected, but from Bob at least I understood and was not too discouraged), but for his wisdom and perspective on the field. But leaving this job behind will give Bob more time to focus on some of his other jobs, such as Director of the Institute for Drug and Alcohol Studies, Butler Professor of Pharmacology and Toxicology, at Virginia Commonwealth University, Co-Director of the Virginia Youth Tobacco Project, and Coordinator of the Hubert Humphrey Fellowship Program in Substance Abuse Prevention, Treatment and Policy at VCU to name a few. So it is safe to say that Bob may be stepping down as editor, but that we can look forward to hearing lots more from him in the future in these other roles. If you

would like some more perspective on Bob’s contributions and his views on substance abuse research and public policy, I highly recommend that you take a look at the wonderful interview that Nancy Campbell conducted recently <http://pipl.com/directory/people/Robert/Balster>. The new Editor-in-Chief will have some mighty big shoes to fill. On behalf of CPDD, thanks.

Finally, special thanks to all of you for giving me the chance to be President this past year. But the year is not quite over; we have our annual meeting coming up.

Plans for the meeting next month in Scottsdale are being finalized and as usual the program is going to be a very stimulating one, jam-packed with many events. As usual the Program Committee has provided us with the very best research in the substance abuse area. Some of the highlights that I hope all will attend are the Presidential Address presented by Dr. Stephen Suomi. Dr. Suomi is a highly accomplished scientist; the list of his awards and honors is indeed long. But I invited Dr. Suomi to come to talk to CPDD because of his major contributions to the understanding of social factors that influence psychological development. Dr. Suomi has been one of the leaders in using animal models to identify the role of the interaction of genetic and experiential factors in shaping individual developmental trajectories and to understand the degree to which findings from monkeys studied in captivity generalize not only to monkeys living in the wild but also to humans living in different cultures. To date, he has authored or co-authored more than 300 articles published in scientific journals and chapters in edited volumes. He has also delivered more than 300 invited colloquia, symposium and workshop presentations, and convention papers in the U.S. and in 12 foreign countries. We are pleased that he will be adding CPDD to that list. He is a very eloquent and

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engaging speaker, so I hope you will all come and hear his talk.

I also want to put in a plug for a symposium that I am co-chairing with Joni Rutter entitled *Translating the Genetics and Neurochemistry of Nicotine Dependence to Drug Development*. This symposium highlights some of the excellent research that is being done in this area and illustrates how much we have learned recently that can actually be translated into more effective treatments

and better prevention strategies. This kind of work in conjunction with new FDA regulatory authority, and the potential success of nicotine vaccines offer hope for even further success in eradicating tobacco use and its negative public health consequences.

Of course, there are many other excellent symposia, workshops, oral sessions and posters. See you all in Scottsdale. It should be fun.

CPDD Conference – Special Events

CPDD's famous Brunch with Champions. This is a great opportunity for pre-docs, post-docs, and junior faculty to chat informally with senior investigators in the drug abuse research field. We highly encourage pre-registration because attendance will be limited. For the last four years, the brunch has filled early and we have had to turn away people who waited too long to register. The registration form can be downloaded from the CPDD web site: <http://www.cpdd.vcu.edu/>.

Trainee Mixer. Pre- and post-doc trainees are invited to a reception from

5:30 to 7 PM Monday in the McDowell room. This will be a wonderful time to mingle with other young investigators.

NIDA Tutorials. The 10th annual NIDA Tutorials are designed to provide junior investigators with fundamental information from a variety of disciplines representing the breadth of drug abuse and addiction research. The event will be held 1-5 PM Saturday in the Sonoran room.

Grant-writing Workshop. The workshop will be held 8 AM to noon Tuesday in the Sonoran room. Registration for this event is closed.

Congratulations!

Scott Lukas, Ph.D. is our new President-Elect

Roger Spealman, Ph.D.
Andrew Coop, Ph.D.
Mary Jeanne Kreek, M.D.
and
Linda Cottler, Ph.D. will join the Board of Directors.

Stephen Holtzman, Ph.D. has been re-elected Treasurer

Scottsdale Travel Tips

The weather is HOT, but dry (about 10% relative humidity). Temperatures run between 100 and 110 in the daytime, but evenings are quite pleasant. Everything is quite informal in Scottsdale and virtually no place requires ties. DO NOT prepare for rain since there won't be any. Remember to drink lots of water and use sunblock when outside.

A car is useful and parking is free at the Princess for hotel guests registered for our meeting. If arranging for car rental, **ESPECIALLY AT THE AIRPORT**, be aware that taxes and surcharges are very high (probably about 50% of the charge for the rental) since visitors are paying for the sports stadiums. However, having a car is important if you want to get away

for dinners, etc.

For those of you visiting Scottsdale for the first time, there's plenty to do and see. Sedona is about 2 hours away and the Grand Canyon about 3-and-a-half hours away. Great shopping areas are abundant and close. Loads of good restaurants in all price ranges are about 5-20 minutes away by car. Golf courses are superb, but VERY early tee times are a must. Swimming pools at the Princess (now the Fairmont) are 3 in number and are excellent.

For those needing transportation from the airport, take Super Shuttle as your best bet. The Princess is about 25 minutes driving time from the airport.

Further information can be found on our Web site <http://www.cpdd.vcu.edu/>.

Future CPDD Meeting Sites

June 12-17, 2010
Scottsdale Fairmont Hotel
Scottsdale, AZ

June 18-23, 2011
Westin Diplomat Hotel
Hollywood, FL

June 9-14, 2012
La Quinta Resort and Club
Palm Springs, CA

2010 NIDA INTERNATIONAL FORUM, Scottsdale, Arizona • June 11–15, 2010

Drug Abuse Research, Policy, and the Public Good

The National Institute on Drug Abuse (NIDA) International Program fosters international cooperative research and the exchange of scientific information by drug abuse researchers around the globe. The 2010 NIDA International Forum is scheduled for June 11–15, 2010, in conjunction with the 72nd Annual Scientific Meeting of the College on Problems of Drug Dependence (CPDD). The meeting will be held at the Fairmont Scottsdale, Scottsdale, AZ.

The topic for the 2010 NIDA International Forum is Drug Abuse Research, Policy, and the Public Good. The Forum will feature a research symposium, interactive workshops, a poster session, and network-building activities highlighting NIDA-supported and other international research on drug abuse.

Highlights

- Translating Research into Policy
Thomas A. McLellan, *Deputy Director, White House Office of National Drug Control Policy*
- Drug Policy and Public Health
Chair: Thomas F. Babor, *University of Connecticut*
- Developing a Consensus Statement on Treatment Guidelines for Pregnant Women
Co-Chairs: Hendree Jones, *RTI International*
Gabriele Fischer, *Medical University of Vienna*
Vladimir Poznyack, *World Health Organization*
- Family-Based Interventions to Strengthen Families
Chair: Karol Kumpfer, *University of Utah*
- Drugged Driving
Chair: J. Michael Walsh, *The Walsh Group*
- Poster Session

There is no registration fee to attend the 2009 NIDA International Forum. However, registration is required. On-line registration is closed, but on-site registration will be available. Please note registration for this event is separate from that for the CPDD meeting.

Meeting programs and other information is also available at
http://international.drugabuse.gov/information/intl_forum_2010.html

Meeting Highlights – The 2009 Mentorship Award

This award is given yearly to a member of CPDD who has been an exemplary mentor to developing researchers in the field of drug dependence.

**2009 Awardee:
George E. Bigelow, Ph.D.**

Dr. Bigelow received training in experimental psychology and psychopharmacology at the University of Minnesota. In 1971 he joined the faculty of the Johns Hopkins University School of Medicine, where he remains at present, and where he is Director of the Behavioral Pharmacology Research Unit (BPRU), a human substance abuse research unit working both in clinical treatment research settings and in experimental clinical pharmacology laboratory settings. Dr. Bigelow's research is diverse, spanning both clinic and laboratory settings. One focus is opioid clinical pharmacology, including abuse liability assessment, human drug discrimination, and evaluation of buprenorphine for opioid dependence treatment. A second focus is cocaine challenge and self-administration choice procedures for assessing potential pharmacotherapies for cocaine dependence. A third focus is outpatient therapeutic clinical trials assessing both pharmacotherapies and incentive-based behavior therapies for efficacy in reducing drug abuse. He is a former president of CPDD. For nearly 30 years, Dr. Bigelow has been Director of the BPRU's NIDA-supported postdoctoral research training program at Johns Hopkins. With additional long-term faculty leadership from Roland Griffiths and Maxine Stitzer, the BPRU training program has graduated over 100 fellows. BPRU graduates comprise an impressive array of prominent and productive substance abuse researchers and science administrators, including three recent CPDD presidents.

Introductory remarks by Stephen Higgins, Ph.D.

Today, I have the distinct honor of introducing the winner of the 2009 CPDD Mentorship Award, George E. Bigelow. For the past 31 years, George and his colleagues have conducted one of the world's outstanding postdoctoral training programs in drug dependence research. This NIDA-supported training program in the behavioral pharmacology of drug dependence located at Johns Hopkins has graduated more than 100 postdoctoral trainees. Those graduates routinely go on to outstanding careers as independent investigators and have been out in front on many of the scientific advances in drug dependence research over the past several decades. They were leaders in characterizing cigarette smoking as a form of drug dependence and in the subsequent tobacco control efforts that followed from that work. They have led new conceptual advances such as the extension of behavioral economics to the study of drug dependence. They have been leaders in the creative and cost-effective use of the clinical laboratory for investigating new pharmacotherapies for cocaine, opioids, and other abused drugs, in characterizing the abuse liability of new compounds especially from the class of sedative hypnotics, and for investigating the behavioral and physiological effects of commonly abused drug combinations. They are leaders in the development and testing of new pharmacological therapies for drug dependence, such as buprenorphine, and new behavioral therapies, such as contingency management. They have held and continue to hold important leadership positions in governmental regulatory agencies, such as the FDA, research agencies, such as NIDA, and in scientific and professional organizations,



*George Bigelow receives
The Mentorship Award.*

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Mentorship Award *continued from page 5*

such as the APA.

The success of the Hopkins training program has also contributed substantially to the health of CPDD. Trainees participate in the annual meeting throughout their postdoctoral experience and upon graduation most continue involvement with CPDD through participation in the annual meeting. Many former trainees also have gotten involved in sustained service to CPDD, ranging from committee work to service on the Board of Directors and the Executive Committee. Indeed, three of the last five presidents of CPDD are graduates of the Hopkins postdoctoral training program.

Formal recognition of these decades of outstanding mentorship has been long overdue. However, CPDD's rule requiring that you nominate an individual and not a training program or team of mentors for the mentorship award has stymied us program alumni as to how to go about this because George Bigelow's mentorship has been supported and extended by a team of faculty investigators including Roland Griffiths and Maxine Stitzer, who are outstanding mentors in their own right. I would be remiss if I did not take a moment to say that the alumni of the Hopkins training program have a deep affection and genuine appreciation for the collective mentorship of this faculty team who have worked together so effectively over so many years. One thing on which alumni and faculty agree, of course, is how deserving George Bigelow is of today's award. He has served as Director of this training program for all 31 years and without his outstanding and visionary leadership none of this would have been possible.

I've already given you a sense of the impressive accomplishments of this program's graduates, I'd now like to take just a minute to give you a little smattering of the more personal and warm remarks that former trainees offer regarding George's very special talents as

a mentor.

"...the opportunity to train and work with George Bigelow at BPRU is one of the great fortunes of my career." (Kenzie Preston).

"His humility, steady guidance, gentle humor, and well-measured wisdom to trainees cast a soft ray of sun for those seeking inspiration..." (Mark Greenwald).

"I was struck by the fact that George's door was always open to me. Whenever I arrived at his doorstep, he would stop whatever he was doing and listen." (Stacey Sigmon).

"George Bigelow is the quintessential mentor." (Hendree Jones).

"Dr. Bigelow is an extremely well respected drug-abuse researcher... his enthusiasm for research is amazing...he is truly a scholar. I cannot possibly describe to you everything that Dr. Bigelow taught me." (Craig Rush)

"He always has and still does leave me with the distinct impression that brilliance is unassumingly simple." (John Roache).

Those few quotes illustrate well the extraordinary influence that George has on postdoctoral fellows who pass through the Hopkins training program.

I'd now like to ask Warren Bickel and Eric Strain, who wrote letters supporting George's nomination for this award, to say a few words, as well as Sharon Walsh, our current CPDD president and former Bigelow mentee.

Introductory remarks by Warren Bickel, Ph.D.

Looking back through the years one can often identify tipping points when a new door opened and through it vistas never dreamed of became real - a door that changed the course of one's life. For me, one of those tipping points was the

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George E. Bigelow



The International Women's and Children's Health and Gender Group 3rd Meeting and 1st Half-Day Conference

This conference will bring together expert researchers and clinical providers passionate and committed to improving the lives of women and children.

Highlights

Lunch and Plenary Speaker

- Improving Women's Drug Treatment Outcomes: Evidence and Implications for Woman-Focused Treatment
Mary E. McCaul, *Professor, Johns Hopkins University*

Speaker Sessions-International Issues Facing Women in Treatment

- Drug Treatment Programs Focusing on Women in Europe, *Anna Gyarmathy*
- Long-term Residential Substance Abuse Treatment for Women: Lessons Learned from Israel, *Maayan Schori*
- Barriers to Substance Abuse Treatment Entry and Retention for Women in South Africa, *Bronwyn Myers*
- Developments in Women-Centered Treatment and Policy in Canada, *Nancy Poole*

Moving Round Tables with Expert Hosts

- Co-occurring Disorders, *Cathy Friedman, Linda Cottler, & Lillian Gelberg*
- Criminal Justice, *Jennifer Johnson & Michele Staton-Tindall*
- Family Issues, *May Olofsson & Karol Kaltenbach*
- Health Disparities & HIV, *Leah Floyd & Karen Corsi*
- HIV Interventions, *Maayan Schori, Adrian Abagiu & Felicia Browne*
- Perinatal/Neonatal, *Loretta Finnegan, Raquel Magri & Gabrielle Katrine Welle-Strand*
- Pregnancy, *Hendree Jones, Mishka Terplan & Gabriele Fischer*
- Violence, *Courtenay Cavanaugh, Nabila El Bassel, & Cathy Striley*
- Women's Treatment, *Wendee Wechsberg, Eli Lawental & Gabrielle Bocchese da Cunha*

Friday, June 11, 2010, 12:00 to 5:00
Fairmont Scottsdale Resort, Scottsdale, Arizona

Registration is free and limited to the first 100 individuals (lunch is included).
<http://www.rti.org/register/inwomensconference>

For more information, contact Wendee Wechsberg via email wmw@rti.org.

Congratulations 2010 CPDD Award Winners

Eddy Award

Theodore Cicero

Cochin Award

David Jentsch

J. Michael Morrison Award

Cora Lee Wetherington

Fischman Award

Linda Cottler

Mentorship Award

Charles O'Brien

Media Award

Allan Brandt

Distinguished Service Award

Jack Henningfield

Mentorship Award *continued from page 6*

opportunity to be a postdoctoral fellow working with George Bigelow. I had applied for the post-doctoral position at the Behavioral Pharmacology Research Unit after completing my Ph.D. in child and developmental psychology, and there was much I did not know. I didn't know anything about addiction, behavioral pharmacology, clinical trials, contingency management, grant writing, opioid pharmacology... I could go on, but you get the point. Fortunately, George invited me to be a post-doc despite my profound ignorance and quickly helped shape a wide range of skills that have served me for over 25 years. George, thank you for changing the trajectory of my life and creating an environment that has done the same for many other trainees. Congratulations!



George E. Bigelow

Introductory remarks by Eric Strain, M.D.

I certainly want to echo all that has been said. As I was thinking about mentorship, a variety of qualities came to mind - availability, advice, friendship, knowledge, guidance, wisdom - there's this long list, and George hits the mark on all of them. But, those are the features of a good mentor, and I think George is not just a good mentor, he's an *outstanding* mentor - and, as I was thinking about that, I found myself wondering what it is that distinguishes outstanding mentors from good and even really good ones. Here's what I think I realized: outstanding mentors are successful with anyone and everyone. It's actually pretty easy to mentor someone you like and get along with, because the process is fun. But the real challenge is when you work with someone who isn't easy to mentor. I think George can mentor anyone, and in the process he brings out the best in that individual. He conveys enthusiasm, he provides feedback, he guides the person, and he does it in a genuine and sincere way with everyone who walks through his door. I'm in something like the

twentieth year of my post doc with George as my mentor, and I plan to continue that relationship for the foreseeable future. I'll be eternally grateful for all the guidance and support that George has provided me and still provides to me. I hope I was one of the easy ones to mentor, but if I wasn't, there's no way I'd ever know - because, he's an outstanding mentor who is successful with us all. Thank you, George.

Introductory remarks by Sharon Walsh, Ph.D.

Well I'm not sure what I can add to all that. I had the great honor to come to BPRU as a post-doctoral fellow a number of years back, and I stayed there for 15 years working closely with George as my mentor and also as a colleague. Everything that everybody said before me is absolutely true. I think George has a really soft, gentle and kind nature that makes it easy for you to hear important criticism and learn from him. He has a way of having a young person come in who pitches an idea, it might not be fully cooked, yet he helps shape it in such a gentle way that you don't even know that it no longer resembles what you walked in with --- but you walk out of his office really proud of yourself and happy that you now have this outstanding study that you're going to pursue -- and he does that with everybody. In addition, he is really the most altruistic person I've ever known. He is not interested in credit for himself. He is a believer that when the boat rises, we all do well. He has dealt with some consequences from that altruistic attitude throughout his own career because he is never one to take credit for anything that happens at the unit on an individual basis. But he is clearly steering the ship. He has been a wonderful mentor, a great friend and great colleague, and I am so happy that we can give you this award today.

By any standard, George E. Bigelow is

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Mentorship Award *continued from page 8*

a truly outstanding training director and mentor who is well deserving of the 2009 CPDD Mentorship Award.

Acceptance Remarks by Dr. Bigelow

Thank you very much for this honor and for this recognition of the contributions of our BPRU postdoctoral research training program. It's really very rewarding and very touching to have people say such nice things about the program – and about oneself.

I thank CPDD and the Awards Committee, and I thank those who contributed to the nomination – and to the comments today – in saying such nice things. It's very much appreciated. I especially want to thank Steve Higgins, who I believe took the lead in putting together the nomination letter.

The BPRU training program is a team effort; Roland Griffiths, Maxine Stitzer and I have shared direction and management of the program since it's beginning about 3 decades ago. And many other faculty, past and current, have also contributed – and continue to contribute – to the success of the program.

While the faculty are important, the most important element in the success of the training program is the fellows themselves. We've been very fortunate to have an outstanding array of bright, motivated, creative, productive fellows come through our program. They are a wonderful group and they have been a joy to work with – and a joy to see succeed and prosper. And it is very rewarding to see how well they have succeeded and the contributions they have made and leadership roles they have taken in the substance abuse field – including the fact that three recent CPDD presidents have been graduates of our BPRU training program.

I want to make some historical comments.

The recipient of this award last year was Joe Brady. One of the things that Joe said in accepting the award is that training or mentorship is “the gift that keeps on giving.” I believe what Joe was referring to is the historical continuity between successive generations of mentors or teachers and their students – students who themselves go on to become teachers and mentors. As students, each of us benefits from our own mentors, and we try to gather the cumulative knowledge and perspective and wisdom – we hope it's wisdom – and pass it on to our students and mentees, who themselves then become teachers and mentors and pass more and better wisdom on to their students.

I had my scientific beginnings as an undergraduate at the University of Maryland taking seminars on behavioral psychology with Joe Brady. I then went on to graduate school and a postdoc at the University of Minnesota, where I trained with Travis Thompson and Roy Pickens. Travis was the first postdoc graduate of the psychopharmacology training program started by Joe Brady at the University of Maryland. That was one of the earliest psychopharmacology training programs. When Travis returned to Minnesota, he directed the psychopharmacology training program there. Roy Pickens was one of the early postdoc graduates of that Minnesota training program and he stayed on as part of the training program faculty. Roland Griffiths and I are both graduates of that Minnesota program. Subsequently then, at Johns Hopkins, Roland and I and Maxine Stitzer established our Behavioral Pharmacology Research Unit postdoc training program – about 3 decades ago now. Over this time, we have had a wonderful array of talented and productive postdocs come through our program. Some of these have gone on to be, themselves, directors of training

“So, Joe [Brady] was right – mentorship is the gift that keeps on giving – generation after generation.”

George E. Bigelow

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2009 Meeting of the International Study Group Investigating Drugs As Reinforcers (ISGIDAR)

8:30 a.m. - 5:00 p.m. Saturday, June 12, 2010
Fairmont Scottsdale, Scottsdale, AZ

List of Speakers

Natalie R. Bruner & Matthew W. Johnson, *Hypothetical demand curves for cocaine in cocaine-dependent individuals*

Barak Caine, *Effects of acute and chronic treatment with D2 and D3 preferential ligands on i.v. cocaine self-administration in rats under a concurrent choice schedule of reinforcement*

Rich De La Garza, *Effects of rivastigmine on methamphetamine self-administration in dependent individuals*

Richard Foltin, *"Damn it Jim," it's got to be the consequences*

Luis de Lecea, *Optogenetic control of brain reward function*

Francesco Leri, *Memory of drugs or memory drugs?*

Jun-Xu Li and Charles France, *Delta⁹-tetrahydrocannabinol attenuates i. v. heroin self-administration in rhesus monkeys*

Josh Lile, *Searching for a self-administration procedure sensitive to behavioral and pharmacological manipulation in humans*

Dave Roberts and Drake Morgan, *What a hold-down procedure tells us about cocaine consumption*

Katie Saulsgiver, *Contingency management and substance abuse*

William Woolverton, Kevin Freeman, Len Green, & Joel Myerson, *Can delay weaken punishment of cocaine self-administration?*

Mini-symposium (J. L. Katz & J. H. Woods): *Psychomotor stimulants: History and conditioned stimulus effects as determinants of the reinforcing effects of drugs*

Breakfast & Registration (\$80) at the door at 8:30; talks at 9:00 a.m.

Lunch compliments of *Grunenthal, USA, Inc.* with prior reservation

(pre-payment not necessary but lunch reservation necessary,

contact Wendy Lynch, wlynch@virginia.edu)

For further information, contact Barak Caine, barak@mclean.harvard.edu

The annual scientific meeting... serves as a forum for scholarly exchange among preclinical and clinical investigators from academia, government, the pharmaceutical industry, and colleagues in government regulatory and policy-making positions.

The Drug Discrimination and Self-Administration Bibliographic Database

Ian P Stolerman

Department of Addictions, Institute of Psychiatry P048, King's College London, De Crespigny Park, London SE5 8AF, UK

Richard A Meisch

Department of Psychiatry and Behavioral Sciences, The University of Texas at Houston, 1300 Moursund, Houston, Texas 77030-3497, USA

Vladimir L Tsibulsky

Department of Psychiatry, University of Cincinnati, 231 Albert Sabin Way, M.L. 0583, Cincinnati, Ohio 45267, USA

The need for the database

Drug discrimination and self-administration techniques are central to behavioural and neurobiological analyses of drug dependence but researchers are not well served by the standard biomedical databases that address broader targets. There are no Medical Subject Heading (MeSH) terms for drug discrimination and self-administration; services such as PubMed do not allow either the encyclopedic retrieval of published data on the reinforcing and discriminative effects of drugs, or selective retrieval according to criteria needed by workers in the field. It is surprisingly difficult to retrieve the relevant publications in a comprehensive manner from the standard databases without inclusion of numerous inappropriate items. Even using multiple terms such as "drug reward", "drug reinforcement", "drug reinstatement", "drug seeking" does not guarantee comprehensive retrieval of relevant citations. Examples of irrelevant retrievals include instances where the term self-administration was

used in reference to patients' consumption of prescribed medications. Psychological Abstracts (PsycInfo) does have "drug discrimination" as an index term, but the sources covered by this system do not include many of the journals in which psychopharmacological research appears.

Furthermore, the topic of drug self-administration now occurs frequently in a broad range of papers. The Drug Discrimination and Self-administration (DSAD) database embraces abstracts, book chapters and whole books as well as regular journal publications, whereas general-purpose databases do not cover all of these publication formats.

The database provides quick access to information needed for planning experiments, including information that cannot be extracted easily from the literature by other means, and it helps prevent unnecessary duplication of effort. The specific tasks aided by the database include literature surveys for planning projects and the preparation of progress reports, grant applications and publications in journals. Thus, neither PubMed nor PsycInfo enables a user to distinguish between different uses of drugs within experiments (e.g. to establish stimulus control *de novo* or as substitutes for a drug upon which stimulus control was established previously). These databases also lack standardized index terms for key aspects of the methodology (e.g. drug versus drug discrimination, yoked controls, reinstatement procedures). The DSAD database uses a unique set of controlled keywords tailored to the specific features of the methods. For example, it is possible to search for

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CPDD has been in existence since 1929 and is the longest standing group in the United States concerned with research on problems of drug dependence

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studies where subjects were trained to discriminate (or self-administer) a specific drug or groups of drugs and where a different substance was substituted in cross-tests to determine whether they share properties with the training drug.

Historical aspects

Ian Stolerman and colleagues Robert Baldy and Phil Shine published the first version of the Drug Discrimination Database in 1982. At that time there were 427 citations in the database. In 1985 an application for a NIDA RO1 grant entitled *Comprehensive Database of Drug Discrimination Research* was submitted. Despite its unusual nature, it was reviewed favorably and was funded in full. The project was then supported without a break up to the present day, and the size of the drug discrimination database grew to over 4,150 citations. The database is now maintained in Reference Manager® software (Thompson Reuters, New York).

In 2007 the scope of the project was considerably expanded to include drug self-administration research. Dr Vladimir Tsibulsky and Dr Richard E Meisch joined the project team, bringing new impetus and expertise to the project. Following Ian Stolerman’s award of Emeritus status, the grant was transferred to the University of Texas with effect from July 2009 and at the same time Dr Meisch assumed the role of Principal Investigator. The expanded database now contains more than 6,200 references on drug self-administration.

In 1996 the first website for the drug discrimination database was set up through the initiative of Dr Jonathan B Kamien, who continued to maintain and develop the websites until 2009; upon his retirement from the project a completely new website

was developed by a commercial firm. The useful capabilities of the previous websites have been retained and extended, including an enhanced ability to perform complex searches using Boolean operators (AND, OR, NOT).

Content and search facilities

The database aims to include all relevant publications in both human and animal subjects from the inception of the field to the present day. Figure 1 shows the continued growth of publications on self-administration, whereas reports on drug discrimination have declined in recent years.

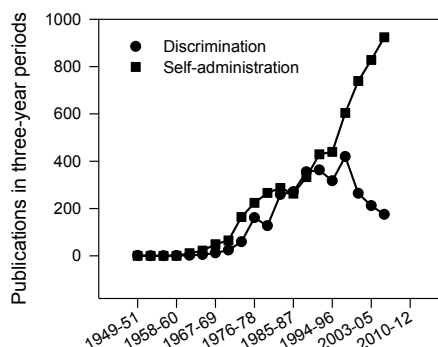


Fig. 1. Numbers of original data and review publications in the drug discrimination and self-administration areas in successive three-year periods (abstracts excluded). Some reports contain both types of research.

All studies where a drug is presented to an organism in a manner contingent upon an operant response are included in the database, regardless of the route of drug administration. Conditioned place and taste preference or aversion studies are not included. The database of conditioned taste aversion research is maintained by Anthony Riley and Kevin Freeman at www.ctalearning.com. Publications on the oral consumption of drug solutions are included only if experiments are

CPDD membership includes a subscription to Drug and Alcohol Dependence, which is ranked among the most cited substance abuse research journals.

Bibliographic databases *continued from page 12*

conducted within the frame of operant behavior and relate to issues of substance abuse, even if there is no defined operant response (e.g. experiments with opioids and other drugs that involve repetitive two-bottle choice tests). Many studies on ethanol are included but not studies of 'alcohol preference' behavior where the transient intake of ethanol is assessed, sometimes under conditions where doses are not pharmacologically relevant. For drug discrimination research, all studies in which drugs serve as discriminative stimuli that set the occasion for reinforcement of defined operant responses are included. Studies that utilize conditioned taste aversion techniques to establish drugs as discriminative stimuli are included; in such studies, the discriminated drug signals whether consumption of a distinctively flavored solution is paired with the unconditioned stimulus (typically lithium).

In all cases, keywords are available in triplicate for each drug. These keywords enable distinctions to be made between drugs used in training, in cross-tests, or as pretreatments, and enable retrieval of references with greater precision than from PubMed. No other biomedical database covering the field has this specialized indexing. Thus, for self-administration research, keywords will enable distinctions to be made between the use of compounds for establishing self-administration behavior *de novo*, as substitutes for the drug used to maintain the self-administration baseline (cross-tests), or as pretreatments prior to self-administration. Similarly, the keywords for drug discrimination enable distinctions to be made between the use of compounds for establishing a discrimination, in generalization tests, and as pretreatments prior to testing the response to the same or a different agent. There are also keywords for methodological variables to allow searches to be narrowed further.

Examples of methodological variables in drug discrimination are species, schedule of reinforcement, type of reinforcer, and special features of the experiments (e.g. drug versus drug training, time course study). Keywords for self-administration research include the route through which the self-administered drug is obtained and other features such as use of an inducing schedule, food or water restriction and strain of animal.

When the online database is searched, the results are displayed on screen and may be 'copied and pasted' into the user's own document or obtained by e-mail. At present keywords have not been set for all references on self-administration. Completion of this task is a priority. At present these references may be retrieved by searching in author names, titles of papers or other citation parameters. References may be output in formats for some commonly used journals. There are direct links to abstracts of references when such abstracts exist in PubMed. In addition, the content of the entire database may be downloaded either as Reference Manager® files or as a text file. The main advantages of searching online are access to the newest version of the database, a search interface showing separate lists of keywords for drugs, species, methodological variables etc. (which can facilitate some searches), and of course it is not necessary to have appropriate database software installed on the user's computer. The reasons for downloading are access to Reference Manager® functions that support more complex search statements than are possible on the website, integration with references obtained from other sources, Cite While You Write® capability for manuscripts, and the ability to generate bibliographies in a numerous journal formats. Such offline working is typically faster than online access.

For free Internet usage during the meeting, join the Fairmont President's Club. There is no cost to sign up and it will give you a number of benefits, including the complimentary in-room high-speed service. See <http://www.fairmont.com/fpc/>

Continued on page 14

Bibliographic databases *continued from page 13***Ways in which users can support the database**

Searching the database for your own papers and telling us if any are missing by e-mailing to ian.stolerman@kcl.ac.uk is very helpful; if you send a list of your drug self-administration or discrimination publications, we will check for ones missing from the database. Such alerts are especially useful for book chapters and archival abstracts. Comments about any part of the website that you find to be difficult to use are welcome, as are suggestions for additional features. The database is for the benefit of the research community and our goal is to be helpful and responsive to questions, comments and corrections.

Future Plans

- Context-dependent help will be provided at key places on the website.
- If enough users request it, a full and detailed manual for using the database will be prepared.

- Users may have the opportunity to be more involved, either as members of an advisory panel or as contributors of possible keywords for their own papers. Contributors would be periodically listed, as for reviewers of journal manuscripts.

- The flexibility of the online search facilities will be enhanced by allowing the selection of the AND/OR operators individually for each search field; at present the same setting is used for all fields.

- The Digital Object Identifier (DOI) may be provided for new citations. Accessing these links will take the user directly to the current location of the citation, although access rights will be required when content is not freely available.

Acknowledgement

We thank NIDA for financial support under grant DA-04376.

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Mentorship Award *continued from page 9*

programs.

I think this cumulative transmission of training that Joe Brady referred to is nicely illustrated by the fact that the most recent additions to our BPRU training faculty are graduates of training programs established by graduates of our training program – these are now the fifth generation descendents of Joe’s original training program.

So, Joe was right – mentorship is the gift that keeps on giving – generation after generation.

Again, I want to thank the College for this award and for this recognition of the contributions of our BPRU training program. But most of all I want to thank all the fellows who have participated in our training program. You are a wonderful group of creative, productive scientists. It has been a joy to work with each of you, and it’s a joy to be told that the training program has contributed to your success – and sometimes to the transformation of your career path. We all look forward to your continued leadership and contributions.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration

SAMHSA Satellite Session

Linking Health Care and Substance Use Disorders Services

June 12, 2010

Supporting Health and Wellness

Scottsdale, AZ

Special Full-Day Event Preceding the CPDD Annual Meeting
Saturday, June 12, 2010
9:00 Am - 5:30 PM
Fairmont Scottsdale, Scottsdale, AZ

Addresses

- Keynote address: Linking Health Care and Substance use Disorders Services–Implications for the Addiction Treatment Field
--Richard Kopanda, M.A., Deputy Director CSAT/SAMHSA
- NIDA's Research Grants
Wilson M. Compton, M.D., M.P.E.
- The Role of Federally Qualified Health Centers in Integrating Health Care and Substance Use Disorders
--Kyu Rhee, M.D., MPP, FAAP, FACP
- Substance Use Disorders and the Person-Centered Healthcare Home
--Barbara Mauer, M.S.W., CMC
- Readiness for Change
--Mary Marden Velasquez, Ph.D.

Panels

- Models of Integration
Moderator: Amina Chaudry, M.D., M.P.H.
- Implementation of Screening, Brief Intervention, and Referral to Treatment (SBIRT)
Moderator: Walker Reed Forman, M.S.W.

Case Studies and Table Discussions

CEUs will be available. Online registration deadline May 23, 2010

For further information: <http://conferences.jbsinternational.com/cpdd2010/>
or contact:

Peter Edwards
JBS International, Inc.
(240) 645-4130
pedwards@jbsinternational.com

...AIDS and other infectious diseases such as hepatitis C are national disease challenges that are increasingly prevalent in substance abusers...

Meeting Highlights – The 2009 Distinguished Service Award

The Distinguished Service Award is initiated by the Executive Committee or the CPDD Board and is given to an individual in recognition of exceptional service to the College.

2009 Awardee: William L. Dewey, Ph.D.

Bill Dewey is Professor and Interim Chair of the Department of Pharmacology and Toxicology at Virginia Commonwealth University. He joined the VCU faculty in 1972. Bill has served as Director of the Graduate Program, Vice Chair of the Department, Associate Dean and then Dean of the School of Basic Sciences, Assistant Dean and later Dean of the Graduate School, and for thirteen years as Vice President for Research and Graduate Studies. He has served as director of three training grants from three different NIH institutes, one currently is in year 34. The major emphasis of the work in his laboratory has been directed toward the underlying mechanisms of opioid and cannabinoid tolerance and physical dependence concentrating on the functional role of endogenous substances, including neurotransmitters, opioids, calcium, and CGRP. His discovery of increased endogenous opioids in sudden infant death syndrome (SIDS) led to the use of naltrexone for the treatment of SIDS and other diseases with centrally induced respiratory depression. Bill served as the President of the College on Problems of Drug Dependence, the American Society for Pharmacology and Experimental Therapeutics, the Federation of American Societies for Experimental Biology and, currently, the Friends of NIDA.

Introduction by Sharon Walsh, Ph.D.

I am so pleased to have the opportunity to deliver the long overdue award for Distinguished Service to my friend and colleague, Dr. Bill Dewey. Bill

has been a long-standing member of the College and has served the college in every capacity including President—twice. However, this Distinguished Service Award given today is to recognize his service to the College in the area of public policy. Bill has long served as our primary liaison with Ed Long and his colleagues who represent our interests in Washington. Bill spends a lot of time traveling to and from Washington every year, meeting with representatives of Congress (and anyone who will listen) where he advocates for more funding for both research and treatment, for better education of the public, and for a more compassionate approach to improving the lives of those affected by drug dependence.

Bill led the development of Friends of NIDA, which is a coalition of more than 40 national organizations who share his vision. This broad membership, through its sheer numbers, allows a stronger voice to be heard than could be achieved by any single organization like CPDD.

FON sponsors many activities, one of their highest profile and highest impact accomplishments has been the organization of Educational Briefings on Capitol Hill that are held on average 2 to 3 times per year. In each case, a specific issue in drug dependence is highlighted by Dr. Volkow, by an affected patient, and by a prominent researcher in that area. The three topics shown are just representative of some of the most recent briefings. These are remarkably well attended and their success a testament to Bill's perseverance, commitment and enthusiasm.

I asked a few colleagues who work closely with Bill on these endeavors to provide comments about their



Bill Dewey (right) receives the Distinguished Service Award from CPDD President Sharon Walsh (left).

Distinguished Service Award *continued from page 16*

experience. Geoff Mumford was so articulate and eloquent that I feel compelled to quote some of what he shared with me:

Bill has been unfailingly generous with his time and effort! His scientific credentials brought much needed credibility to the group when it came time to recruit a high profile Board of Scientific Advisers and he has been judicious in seeking their input. He is a pragmatic straight shooter who likes to cut to the chase. At the same time he's sensitive to the diverse constituencies represented by the Friends organizations and has always served as a consensus builder. He's also led efforts to conduct outreach and forge new partnerships to raise the profile of substance use research in new settings such as DoD and Veterans Affairs. His passion for the research is always evident and inspiring when he's on the Hill as is the ever-present humility he displays about the good work he does when lavishing credit on others.

I agree with Geoff on all counts. Bill Dewey has been our *go-to* man, the *I'll do it* man, the *yes, we can* man. He is a compass for the rest of us—reliable, straight and pointing the way. The award is long overdue. Please join me in congratulating Dr. Bill Dewey.

Acceptance Remarks by Dr. Dewey

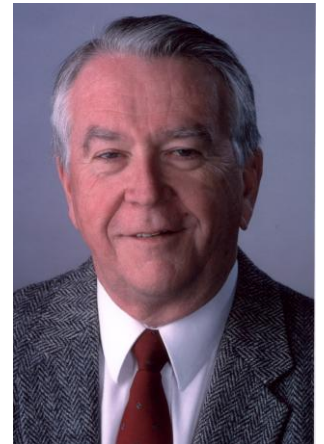
Thank you Sharon, and thank you all of CPDD for this wonderful honor. I am humbled by this award. I remember many years ago wishing I could become a member of CPDD and certainly would never think that something like this would be possible. It is particularly pleasing to be chosen for this award by ones friends who know all of your

weaknesses, mistakes and short comings.

I accept this Distinguished Service Award, as I do everything, on behalf of our marvelous family who consistently ask "Dad, why are you going to Washington again?" Their continual support for all these years is so very much appreciated! They also would want me to thank you for them.

Working to convince lawmakers to appropriate more funds to support research that clearly has been shown to improve and prolong life is a no-brainer. It is so important for all society to realize that research will continue to provide the tools necessary to prevent and treat diseases related to substance abuse.

It is my opinion that all members of CPDD can take great pride in the effort and leadership that this organization of scholars has taken in the area of public policy. I am most appreciative for the support that The Friends of NIDA, a coalition of scholarly organizations, has received from all the leaders of CPDD for the past five years. Its' survival is clearly the result of this support. The tireless and outstanding work of Geoff Mumford and Charles O'Keeffe throughout these years must be recognized as most essential for any success that we have had. I sincerely thank them both for all they have done. The College has continually set the standard for all others to follow. I am very appreciative for the leadership allowing me to be part of that effort and again I sincerely thank all of you for this recognition.



William L. Dewey



See you in Scottsdale!

Addiction Board Review Course at CPDD: A Clinical Review of Substance Use Disorders

Saturday, June 12, 2010, 10:00 AM to 6:15 PM
Fairmont Scottsdale, Scottsdale, Arizona, USA

The 2010 AAAP Addiction Board Review Course at CPDD: A Clinical Review of Substance Use Disorders continues to meet the academic and scientific standards set by AAAP over the past decade. The course is an excellent preparation for the ABPN examinations for subspecialty certification and recertification in addiction psychiatry. Past participants have recommended that this course be required for general psychiatry and PGY-V residents, as well as periodically for all academic and treatment personnel to stay updated on the most recent trends in the addiction field.

Presenters

General Concepts Kevin Sevarino, MD, PhD

*Yale University School of Medicine,
Connecticut VA Health Care System*

Psychosocial Treatment of Addictions Edward V. Nunes, MD

*NYS Psychiatric Institute
Columbia University College of Physicians and Surgeons*

Alcohol Use Disorders Bryon Adinoff, MD

*University of Texas Southwestern Medical Center, VA North TX
Health Care System*

Opioid Use Disorders Elinore F. McCance-Katz, MD, PhD

University of California, San Francisco

Nicotine Use Disorders Jodi J. Prochaska, PhD, MPH

University of California, San Francisco

Stimulant Use Disorders Steven L. Batki, MD

University of California, San Francisco

CEUs will be available. For more information and to register go to:

<http://www2.aaap.org/meetings-and-events/review-course/2010-summer-review-course>

*For more information about
the Friends of NIDA, visit
their website at*

www.thefriendsofnida.org

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Contingency Management Working Group

The Contingency Management (CM) Working Group is an evening workshop held annually at CPDD that provides an opportunity to learn more about CM applications. CM is a behavioral treatment strategy that has demonstrated consistent success in promoting abstinence from a wide-range of drugs and across many different treatment populations. It is also being used to promote change in behaviors impacting the course of other chronic diseases (e.g., obesity, diabetes).

During this year's 16th annual meeting of the CM Working Group, junior and senior researchers will present preliminary data from ongoing studies involving CM. The goal for this working group is to provide an informal outlet for discussion of

ongoing CM research and dissemination, with an emphasis on developing or improving research strategies by seeking audience input and providing opportunities for junior and senior researchers to interact.

The agenda for speakers will be posted on the CPDD listserv prior to the conference. The workshop is open to all conference attendees and anyone who is using CM to promote behavior change, has an interest in learning more about CM or would like to become acquainted with other researchers conducting CM is particularly encouraged to attend.

The CM Working Group will be held on Sunday June 13th from 8:00 – 10:00. Hope to see you there!

-- Contributed by Kelly Dunn, Ph.D.

Airport Shuttle

A special airport shuttle service rate has been negotiated for those attending the 2010 CPDD Annual Meeting.

The group has a \$3.00 off one-way or \$6.00 off round-trip discount on SuperShuttle (The discounted rate is \$21.00 per guest, per direction). The group will receive the discount for reservations booked online ONLY-You must use the code: ZCX EY. The discount is valid between June 8-20,

2010.

To see the online discount flyer with arrival / departure procedures <http://www.cpdd.vcu.edu/Pages/CPDDDiscount.pdf>.

To make a reservation, <https://www.supershuttle.com/default.aspx?GC=ZCX EY>.

The discount only applies to SuperShuttle shared-ride transfers.

