

**CURRICULUM VITAE**

Rita Z. Goldstein, PhD

Scientist

Medical Research Department

Brookhaven National Laboratory (BNL)

Affiliate

Departments of Psychology and Biomedical Engineering

State University of NY at Stony Brook (SUNY SB)

**DATE:** February 4, 2011**PERSONAL INFORMATION**

Business Address            Medical Department, Bldg. 490  
 Brookhaven National Laboratory (BNL)  
 30 Bell Ave.,  
 Upton, NY 11973-5000

Phone Number            (631) 344-2657

Fax Number                (631) 344-5260

E-mail                      [rgoldstein@bnl.gov](mailto:rgoldstein@bnl.gov)

Web Site                    <http://www.bnl.gov/medical/Personnel/Goldstein/default.asp>

**EDUCATION**

1992                        BA in Psychology and French, Cum Laude, Tel Aviv University

1999                        PhD in Health Clinical Psychology, with Award of Academic Merit, University of Miami, FL  
 (Advisors: BE Hurwitz and MM Llabre; included a year-long internship in Clinical  
 Neuropsychology, Long Island Jewish Medical Center, Advisors: RM Bilder and WB Barr)

**POSTGRADUATE EDUCATION**

1999-2002                Post-doctorate research associate, training fellowship on Brain Imaging and Alcohol Abuse  
 from the NIH, SUNY SB and BNL, advisors: ND Volkow and JS Fowler

2001                        Clinical Psychology License, New York State (#014670)

**EMPLOYMENT HISTORY****Pre-doctorate**

1992                        Research Assistant, Neuropsychology Laboratory, Memphis State University, Memphis, TN

1992 – 1994                Research Assistant, Department of Neurology and Epilepsy Center, Miami Children's  
 Hospital, Coral Gables, FL

1998                        Clinical Psychologist, Global Communications Services (community housing for individuals  
 with mental retardation), New Hyde Park, NY

**Faculty Appointments**

2002 – 2004                Assistant Scientist, Medical Research Department, BNL

2004 – 2006                Associate Scientist, Medical Research Department, BNL

2006 – 2008                Scientist, Medical Research Department, BNL

2008 – current            Tenured Scientist, Medical Research Department, BNL

**Secondary (Affiliate) Appointments**

2001                        Adjunct, Department of Psychology, SUNY SB

2002 – current            Department of Psychology, SUNY SB

2003 – current            Department of Biomedical Engineering, SUNY SB

**HONORS AND AWARDS****Pre-doctorate**

- 1992 Graduated Cum Lauda from Tel Aviv University
- 1994 – 1998 Received Graduate Research Assistantships, University of Miami, FL
- 1994 – 1998 Received Letters of Commendation, University of Miami, FL
- 1997 – 1998 Received Graduate student travel scholarships, the Max and Peggy Kriloff scholarship and University of Miami, FL
- 1998 Received a Stanley Foundation Scholarship for research, Hillside Hospital, NY
- 1999 Graduated with Award of Academic Merit from University of Miami

**Post-doctorate**

- 2002 – 2007 Awarded a Mentored Patient-Oriented Research Career Development Award (1K23DA015517), NIDA, “Behavioral correlates of fMRI response in cocaine users”, \$790,909 total costs
- 2003 – 2005 Awarded the Young Investigator Award, National Alliance for Research on Schizophrenia And Depression (NARSAD), “Comorbid depression in cocaine-dependent adults: neurocognitive predictors of relapse”, \$60,000 total costs
- 03/22/2005 Awarded Woman of the Year in Science, Brookhaven Town Award
- 06/01/2009 Awarded Outstanding mentor award, BNL
- 01/2010 Nominated as Member, American College of Neuropsychopharmacology

**GRANT SUPPORT****Current**

- 2005 – 2010 **Co-PI**, NIDA K05DA020001, “Role of Genotype and maternal smoking on brain MAOA”, \$127,000, direct costs (7/08-6/09) (Fowler, PI)
- 2007 – 2010 **PD**, NIDA 1R01DA020949, “CRCNS: Machine Learning Techniques for Analysis of fMRI of Underlying Inhibitory Control”, \$1,162,786 total costs (Samaras, PI)
- 2008 – 2010 **PI**, NIDA R21DA02062, “The prefrontal cortex in reward devaluation in human cocaine addiction: an fMRI study”, \$527,858 total costs
- 2008 – 2013 **PI**, NIDA 1R01DA023579, “The prefrontal cortex in salience and control in cocaine addiction: phfMRI study”, \$2,850,970 total costs
- 2009 – 2014 **Consultant**, NIDA 1 R01 DA027794-01, “Learning to avoid pain: Computational mechanisms and application to methamphetamine abuse”, \$2,100,797 total costs (Wager, PI)
- 2010 – 2012 **Consultant**, NIDA 1F31DA024941-01A2, “The Role of Self-Expansion as a Potential Aid in Smoking Cessation”, \$44,776 total costs (Xu, PI)
- 2010 – 2013 **Sponsor**, NIDA 1F32DA030017-01, “Impaired Insight and Drug-Seeking Behavior in Cocaine Addiction: an fMRI Study”, \$153,901 total costs (Moeller, PI)
- 2010 – 2015 **Co-PI**, NIMH 1 R01 MH090134-01, “Genes, Brain and Behavior in Human Aggression”, \$3,530,440 total costs (Alia-Klein, PI)
- 2010 – 2015 **Consultant**, NIDA 1 K23 DA027045-01, “Multimodal Brain Imaging of Functional Neurodynamics in Cocaine Dependence”, \$808,644 direct costs (M. Copersino, PI)

**Pending**

- PI**, NIA 1R21AG041041-01 “Machine learning discovery of patterns of self-regulation in drug addiction?”
- PI**, R01 (GRANT10789077) “Intervention to normalize brain function and improve outcome in drug addiction”

**Completed**

- 1998 – 2009 **co-PI**, NIAAA 2R01AA09481, “Dopaminergic Brain Functions in Alcoholics”, \$237,000 direct costs (9/07-8/09) (G-J. Wang, PI)
- 2002 – 2003 **Collaborator**, U.S. Dept. of Energy (DOE) KP1401040MO054, “Physiological Imaging”, \$400,000 direct costs (N. Volkow, PI)

- 2002 – 2003 **co-PI**, SB/BNL seed grant 79/1025459, “Optimizing functional neuroimaging techniques to study the psychological mechanisms underlying violence in cocaine addiction”, \$21,500 total costs (N. Squires, PI)
- 2004 – 2006 **PI**, US DOE/BNL LDRD #04-063, “Optimizing functional neuroimaging techniques to study brain function in health and disease states”, \$375,400 total costs
- 2004 – 2006 **co-PI**, US DOE DEAC0298CH10886 MO66, “Physiological and Functional MRI”, \$555,000 direct costs (D. Tomasi, PI)
- 2005 – 2007 **co-PI**, US DOE/BNL LDRD #06-088, “Neurogenomics: collaboration between the Biology Department and the Brookhaven Center for Translational Neuroimaging to investigate complex disease state”, \$308,000 total costs (N. Alia-Klein, PI)
- 2005 – 2007 **co-PI**, NARSAD Young Investigator Award, “Endophenotypes of Inhibitory Control in a Group of Alcoholic Domestic Abusers”, \$60,000 total costs (N. Alia-Klein, PI)
- 2005 – 2008 **PI**, US DOE/BNL LDRD #07-055, “Neurocomputation at BCTN: developing novel computational techniques to study brain function in health and disease”, \$150,000 total costs
- 2006 – 2007 **co-PI**, SB/BNL seed grant, “The Neurogenetics of Impulsivity: using fMRI and DAT-PET data to link with DAT polymorphisms in order to explore the role of dopamine transporters in impulsive behavior”, \$20,000 total costs (T. Canli, PI)
- 2007 – 2009 **co-PI**, NSF 0722874, “MRI: Acquisition of a Research-Dedicated fMRI Scanner at Stony Brook”, \$1,918,878 total costs (T. Canli, PI)

## PROFESSIONAL ACTIVITIES

### NIH Ad-Hoc Reviewer

- 07/2005 NIH/CSR, Special Emphasis Panel (ZRG1 BBP-C), Cognition and Perception Study Section
- 07/2005 NIDA initiative in brain imaging/clinical neurobiology research, Imaging - Science Track Award for Research Transition Program (I/START)
- 12/2009 NIDA, RFA (DA10-003), Integrating Translational Neuroscience and Adolescent Drug Abuse Treatment (reviewer and stand-in Chair)
- 03/2010 NIMH, RFA (MH-10-020), The Human Connectome Project (HCP)
- 03/2011 NIH SRB-B 26 (RFA-GM-11-003) UREKA (Exceptional, Unconventional Research Enabling Knowledge Acceleration, R01) initiative

### International Ad-Hoc Reviewer

- 2008 Health Research Board, Ireland
- 2008 Research Career Awards, Medical Research Council (MRC), London, UK
- January, 2010 United States – Israel Binational Science Foundation
- February, 2010 Addiction and substance misuse research strategy - assessment panel, MRC, London, UK

### Scientific Committees/Panelist/Lecturer

- 07/11/07 Participant, a NIDA sponsored workshop on developing a standardized battery of tasks used as probes for cognitive function in drug abusers or persons who might be vulnerable for the development of drug abuse, Washington, DC
- 2008 – 2010 Lecturer, the neuroscience and law series, sponsored by the Catherine T. and John D. MacArthur Foundation Law & Neuroscience Project and by the Gruter Institute for Law and Behavioral Research
- 2009 Member, Scientific Committee of the Anti-Drug Department of the Italian Government
- April 2010 Panelist, Conference on “Moral Biology: How should developments in mind sciences and behavioral biology alter our understanding of law and morality?”, Harvard Law School, Boston, MA
- May 2010 Visiting Subcommittee to review funding for the Wellcome Trust/MRC Behavioural and Clinical Neurosciences Institute (BCNI), Cambridge, UK

**Editorial Board Membership**

- 2007 – current Editorial Board Member, The Open Neuroimaging Journal (TONIJ), and The Open Addiction Journal
- 2007 – current International Editorial Board Member, Current Drug Abuse Reviews (CDAR), Bentham Science Publication

**Ad Hoc Reviewer in Peer-Reviewed Journals**

For numerous journals, including: Addiction; Addiction Biology; American Journal of Psychiatry; Archives of General Psychiatry; Biological Psychiatry; British Journal of Pharmacology; Cerebral Cortex; Drug and Alcohol Dependence (ranked at top 5% of all reviewers, 2010); Human Brain Mapping; Journal of Neuroscience; Nature Neuroscience; NeuroImage; Neuropsychologia; Neuropsychopharmacology; Neuroscience & Biobehavioral Reviews; Proceedings of National Academy of Sciences; Psychopharmacology.

**Reviewer/Other**

- 1999 Reviewer, Annual Society of Behavioral Medicine meeting
- 2002 Reviewer, "Brain function in substance dependent abused women", Minority Biomed. Research Support program, Meharry Med. College, Nashville, TN
- 2005 – current Consultant, contract project for NIDA's international program to develop training modules on drug addiction (<http://www.drugabuseresearchtraining.org/>; <http://nida.lecturehall.com/>); Medical Directions, Inc. ([www.vlh.com](http://www.vlh.com)), AZ
- June 2010 Reviewer, abstracts for SfN 2010 Press Program

**NATIONAL AND INTERNATIONAL MEETINGS****Symposia Organization/Chairing**

- 12/2003 Co-chaired, and presented in a symposium on "The Orbitofrontal Cortex in Drug Addiction: Role in Salience Attribution and Inhibitory Control"; the 42<sup>nd</sup> American College on Neuropsychopharmacology (ACNP) Annual Meeting, Puerto Rico
- 06/2005 Chaired, and presented in a symposium on "Inhibitory Control in fMRI Studies: Application of Basic Cognitive-Behavioral Research to the Study of Psychopathology"; Organization for Human Brain Mapping (HBM), Toronto Canada
- 11/2008 Chaired a symposium on "Functional neuroimaging evidence for a brain network underlying impaired insight (into illness) in drug addiction"; SFN Annual Meeting, Washington DC
- Selected by SFN for a press conference**
- 11/2008 Chaired a slide session on "Neural Mechanisms of Addiction II", SFN, Washington DC
- 12/2008 Chaired a slide session on "Drug addiction – the role of the prefrontal cortex", Israeli SFN, Eilat Israel
- 05/2009 Chaired and presented in a NIDA sponsored symposium on "Imaging insight: basic definitions, measures, and relevance to psychopathology", APA Annual Meeting, San Francisco CA

**Invited Participation in Scientific Conference Symposia/other forums**

- 05/2004 Symposium on "Stress and relapse in drug addiction: lessons from human neuroscience"; Chair: J. Neumaier. Talk **title**: Neuroimaging evidence for a modified function of the orbitofrontal cortex in human cocaine addiction: implications for stress induced relapse. Society for Biological Psychiatry, NY NY
- 08/2005 A NIDA/APA-sponsored symposium on "Neurobiological Aspects of Drug Addiction: Implications for Treatment". Talk **title**: Neuropsychological impairment in drug addiction and its association with prefrontal cortical activity. American Psychological Association Annual Meeting, Washington DC
- 10/2006 A mini-symposium "Just say No" on the role of the prefrontal cortex in drug addiction; Chair: A. Levin, Co-Chair: JD. Jentsch. Talk **title**: The prefrontal cortex in the I-RISA

- (Impaired Response Inhibition and Salience Attribution) syndrome of drug addiction. SfN, Atlanta GA **Selected by SFN for a press conference**
- 12/2007 A symposium on “monkey and human studies of altered cognition and cortical function due to cocaine addiction”; Chair: C. Bradberry. Talk **title**: Altered prefrontal cortical function underlies impairments in attention to reward and inhibitory control in cocaine addicted individuals. ACNP 46<sup>th</sup> Annual Meeting, Boca Raton FL
- 05/2009 A NIDA-sponsored symposium on “Imaging insight: basic definitions, measures, and relevance to psychopathology”. American Psychiatric Association Annual Meeting, San Francisco CA
- 08/2009 A NIDA-sponsored symposium on “Using Behavioral and Cognitive Assessments to Inform Addiction Treatment”. American Psychological Association Annual Meeting, Toronto Canada
- 10/2010 A symposium on “Imaging, treatment and outcome”; Chair: D. Martinez. The National Hispanic Science Network on Drug Abuse Annual Meeting, New Orleans LA
- 11/2010 Invited guest, the Functional Imaging Social hosted by T. Wager and D. Shohamy at SFN, Chicago IL
- 05/2011 A symposium on “Neuroimaging approaches to the development of treatment for substance use disorders”; Chair: JL Cadet. Talk **title**: Cortical control of behavior: a path to addiction recovery? Society for Biological Psychiatry Annual Meeting, San Francisco, CA
- 01/2012 Session on “Dopamine and Learning”; Chair: MA Gluck; Learning and Memory meeting; Park City, Utah

### Keynote Lectures

- 04/21/08 Summer School “From mouse to man”, Rudolf Magnus Institute of Neuroscience, Netherlands.
- 10/01/08 “Self-control in cocaine addiction”, 440<sup>th</sup> BNL Lecture.

### Invited Lectures: National/International Meetings/Forums

- 10/2003 “Frontiers in Neuroimaging at DOE Laboratories” workshop, Cambridge, MA.
- 12/03/04 Conference on Counseling People of Color, Bermuda
- 05/16/05 The 5th Italian Society on Addiction conference, Bari Italy
- 01/2006 Center for Studies of Addiction, Treatment Research Center, Department of Psychiatry, University of Pennsylvania Health System
- 02/2007 “Science in In Vivo Imaging at DOE National Laboratories” workshop, Cambridge MA
- 05/11/07 “Drug induced plasticity of the CNS as it relates to addiction” symposium, Univ. of Tennessee Neuroscience Institute, Memphis TN
- 09/14/07 “Molecular Imaging for Diagnosis and Prediction of Treatment Outcome”, an international symposium on 30 yrs. of PET in Groningen Netherlands
- 11/30-12/1/07 The 4th National Addictiveness Congress, Ege Univ, Dept. of Psychiatry, Addiction Therapy Unit, Cheshme Turkey
- 04/2008 Neuroscience Seminar Series, McLean Hospital, Harvard Medical School, Belmont MA
- 03/17-18/08 Meeting on Neuroscience of Addiction, Dipartimento delle Dipendenze, Addiction Neuroscience Group, Verona Italy
- 07/14-17/08 “Dysfunction of Affective, Learning and Decision-making Circuitry”, International Symposium on Attention and Performance XXII; organized by E.A. Phelps (Robbins TW and Delgado M, co-organizers), Stow VT
- 09/13-14/08 A judicial education conference, supported by the Gruter Institute for Law and Behavioral Research with funding from the John D. and Catherine T. MacArthur foundation’s Law and Neuroscience Project, the Minary Conference Center, NH
- 03/12-14/09 The 5<sup>th</sup> National Drugs Conference, Trieste Italy
- 03/26-27/09 Seminar on Law and Neuroscience for federal judges, co-sponsored by the Federal Judicial

- Center, the NYU Dept of Psychology, and the Gruter Institute for Law and Behavioral Research with funding from the John D. and Catherine T. MacArthur foundation's Law and Neuroscience Project, Kimmel Center for University Life, New York NY
- 06/15-17/09 Third annual meeting on "learning, reward-seeking behavior and addiction", the Institute of Advanced Studies of the Israel academy of Sciences and Humanities. Jerusalem Israel
- 07/22/09 United States Probation and Pretrial Services annual District Conference, Bonita Springs FL
- 09/12/09 "New Frontiers in Judging", California Judges Association, supported by the Gruter Institute for Law and Behavioral Research with funding from the John D. and Catherine T. MacArthur foundation's Law and Neuroscience Project, San Diego CA
- 10/02/09 Vermont Law School, South Royalton VT
- 11/02/09 Neuroscience for Judges, the National Judicial College, supported by the Gruter Institute for Law and Behavioral Research with funding from the John D. and Catherine T. MacArthur foundation's Law and Neuroscience Project, Kellogg Conf. Center, Chicago IL
- 11/10/09 SUNY SB psychology counseling center, Stony Brook NY
- 03/11/10 Law and neuroscience for federal judges, co-sponsored by FJC, McArthur foundation and the Gruter Institute, Harvard Boston
- 03/16/10 International symposium on the PFC, sponsored by the Laboratory of Cognitive Sciences and Neuropsychopharmacology and the Center for Socio-Cognitive Support from Espírito Santo (NASCES), Health Sciences Center Federal University of Espírito Santo, Vitória Brazil
- 07/12/10 Seminar on neuroscience and criminal behavior, organized by the Gruter Institute and the Federal Judicial Center, Funded by MacArthur, Philadelphia PA
- 10/26/10 Psychotherapy Development Center seminar series, Division of Substance Abuse, Yale University School of Medicine CT
- 10/27/10 IBM T.J. Watson Research Center, Computational Biology Center NY
- 03/15/11 "Law and the Brain" NY, supported by the Gruter Institute and University of Pennsylvania Center for Neuroscience and Society

### Lectures: Other (Educational)

- 03/05/02 PSYCH 642, Neuropsychological Case Analysis and Integration, Drexel University, PA
- 04/16/02 BME 201, Introduction to Biomedical Engineering, SUNY SB, NY
- 04/23/02 Promoting science, BNL Outreach Program, John Glenn High School NY
- 11/14/03 The quarterly BSA Science and Technology Steering Committee, Upton NY
- 01/07/04 Psychology (Brain and Behavior), University of Haifa Israel
- 05/02/04 The first Long Island Psychology Conference, organized by The Psi Chi Chapters at Dowling College, Hofstra University, LIU - C.W. Post College, and St. Joseph's College NY
- 12/31/04 The Josph Sagol Neuroscience Center, Sheba Health Center, Ramat Gan, Israel
- 04/01/05 Psychology Dept., Memory and Brain series, Cognitive Neuroscience Journal Club NYU
- 12/14/05 Psychology Dept., Beer Sheva University Israel
- 12/24/06 Functional Brain Imaging Unit, Wohl Institute for Advanced Imaging, Tel-Aviv Sourasky Medical Center, Tel-Aviv Israel
- 06/12/07 Substance Abuse Fellowship weekly meeting (FR. Levin, MD), NYS Psychiatric Institute and Dept. of Psychiatry, College of Physicians and Surgeons, Columbia University NY
- 10/2007 "The Science of our Work", hosted by the Committee on Criminal Justice and Addiction and the Quality Consortium of Suffolk County NY
- 11/20/07 Psychology Dept., Brain and Behavior, University of Haifa Israel
- 11/12/09 Long Island Section of the IEEE's Engineering in Medicine & Biology Society, Melville, NY.
- 12/21/09 Psychology Dept., Tel Aviv University Israel

### INTERVIEWS IN MEDIA

- 10/25/02 The North Shore Sun ("Brain Matter" by A. Clancy)
- 11/12/02 BrainWork, the Neuroscience Newsletter of the Dana Foundation

- 12/3/02 BNL (“Addicts' Brains Work Harder to Control Behavior”, a press release)
- 08/06 A documentary on addiction for the RAI Italian National TV Channel, by M. Rosi of DocLab Productions
- 10/15/06 A press conference on ‘The Prefrontal cortex in the I-RISA (impaired response inhibition and salience attribution) syndrome of drug addiction’ at the Society for Neuroscience (SFN) 2006 Annual Meeting, Atlanta GA. *Consequently*: BNL press release (“Altered perception of reward in human cocaine addiction”); 10/17/06 Newsday (“How drug skew values” by J. Talan); and 10/18/06 Reuters Health (“Cocaine alters brain cells, impairs impulse control” by M. Kerr)
- 01/12/07 The Leonard Lopate Show on WNYC, New York Public Radio
- 02/09/07 Congressional Quarterly Research (“Combating Addiction” by Marcia Clemmitt)
- 02/11/07 The San Francisco Chronicle (“Riddle of addiction lures researchers: Complex network of brain mechanisms underlies cravings” by Carl Hall)
- 02/28/07 Dana Foundation press: featured in the 2007 Advances in Brain Research: Brain Work (“Conversations with six leading neuroscientists on timely topics in brain research: Addiction and the Prefrontal Cortex” by Brenda Patoine)
- 03/19/07 Interview and TV documentary on Alcoholism, Substance Abuse and Mental Health (“Something of Substance” by Marc Myers, Media Development Coordinator), Suffolk County Dept. of Health Services, Division of Community Mental Hygiene, aired April, 2007
- 11/07/07 BNL (“Cocaine abuse blunts sensitivity to monetary reward”, a press release), featured in Join Together (11/15/07), an online source for understanding addiction
- 11/16/08 A press conference on ‘Why Can't I Forget My Last Fix?’ at the SFN 2008 Annual Meeting, Washington DC. *Consequently*: BNL press release (“‘Insight’ Deficit May Explain Denial in Drug Addiction”); 11/18/08 Reuters Health (“Addicts prefer drug imagery to pleasant scenes” by A. Harding); 11/18/08 UPI.com (“Preference for cocaine extends to images”); 2/19/09 Neurology Today, published by Lippincott Williams & Wilkins for members of the American Academy of Neurology (“Brain Mechanisms Needed to Overcome Addiction are Impaired, New Studies Suggest” by Tom Valeo)
- 05/25/09 BNL (“Brain-Behavior Disconnect in Cocaine Addiction: Impaired ability to monitor behavior, emotions may underlie vulnerability to drugs; suggests new targets for treatment”, a press release)
- 09/06/10 BNL (“Ritalin Improves Brain Function, Task Performance in Cocaine Abusers”, a press release)

## PROFESSIONAL MEMBERSHIPS

American College of Neuropsychopharmacology, Society for Neuroscience

## ADMINISTRATIVE SERVICE

### Departmental and Institutional Service

- 2001 – 2002 Alternate member, BNL Institutional Review Board
- 2002 – 2005 Member, BNL Institutional Review Board
- 2004 Member, Medical Department Planning Committee, BNL
- 2008 – current Member, BNL Scientific Staff Promotions Committee

## Teaching and Supervision

- 1999 – current Coordinator of neuropsychological testing in BNL
- 2000 – current Supervisor, Science Undergraduate Laboratory Internships (SULI, an educational research training program for undergraduate students)
- 2001 Lecturer, Neuropsychological Assessment Graduate course (PSY 563), Dept. of Psychology, SUNY SB
- 2001 – 2002 Supervisor, Internship program worksite, SUNY Potsdam

**Graduate Students Completing Dissertation in Lab (Goldstein, Advisor)**

- 2006 – current Muhammad A. Parvaz, SUNY SB Biomedical Engineering (BME)
- Selected as participant, 2007 UCLA Advanced Neuroimaging Summer School, Los Angeles, CA
  - Passed qualifying exam, 8/2009
  - Passed proposal, 9/2009
- 2009 – current Anna Konova, SUNY SB Biopsychology
- NYU master program graduate, 2009
  - Selected as participant, 2010 Multi-Modal Short Course at the Martinos Center for Biomedical Imaging, Boston, MA

**Graduate Students Completing Long Rotations in Lab/Used for Dissertations**

- 2003 – 2005 Lei Zhang, SUNY SB Computer Science co-Advisor/Committee Member
- Position after graduation: Financial program engineer at Bloomberg Associates
- 2007 – 2009 Jonathan Dunning, SUNY SB Biopsychology
- 2007 – current Jean Honorio, SUNY SB Computer Science co-Advisor/Committee Member
- 2008 – current Juntian Shan, SUNY SB Computer Science co-Advisor/Committee Member
- 2009 – current Hojin Choi, SUNY SB Computer Science co-Advisor/Committee Member
- 2010 – current Xufeng Han, SUNY SB Computer Science co-Advisor/Committee Member

**Graduate Students Completing Short (1 Semester) Rotations in Lab**

- 2003 A. Wolf, SUNY SB BME PhD student
- 2010 D. Wang, SUNY SB BME PhD student

**Graduate Students Volunteering in Lab**

- 2001 Z. Jia, SUNY SB PhD Biopsychology (next position: Yale post-doctorate fellow)
- 2002 – 2005 A. C. Leskovjan, SUNY SB BA Psychology (next: BME PhD student)
- 2002 – 2004 S. Berry, SUNY SB MSc Biopsychology
- 2005 R. Bonanno, SUNY SB School of Social Welfare
- 2006 – 2008 A. Panagopoulos, SUNY SB PhD Computer Sciences
- 2007 – 2008 T. Chalasani, SUNY SB MSc Computer Sciences
- 2008 – current J. M. Bolger, Suffolk Community College, Mental health counselor
- 2009 – 2010 J. Chang, SUNY SB MD Psychiatry resident
- 2009 – current E. Altman, SUNY SB BA Psychology
- 2009 – current D. S. Carrero, SUNY SB BSc Physics (honors), MSc Rensselaer Polytechnic Inst. Physics
- 2010 – current E. Little, SUNY SB BA (Richmond University), pre-med SUNY SB

**International Graduate Students Completing Rotations/Volunteering in Lab**

- 2006 – 2007 S. Asensio, University CEU Cardenal Herrera PhD Addiction Institute, Spain
- 2010 J. C. Bustamante, University Jaume of Castellón PhD Psychology department, Spain
- 2010 L. Moreno, Universidad de Granada, PhD Psychology department, Spain
- 2010 K. Gkirtzou, Ecole Centrale de Paris, Paris, France

**Post-Doctoral Fellow**

- 2000 – 2005 L.A. Cottone, SUNY SB PhD Biopsychology
- 2005 – current P.A. Woicik, SUNY SB PhD Social Psychology
- Recipient, travel award, College on Problems of Drug Dependence 2006
- 2010 – current S.T. Moeller, University of Michigan PhD Social Psychology
- Research as graduate student in Goldstein lab, 2006 – 2010
  - Selected as participant, University of Michigan fMRI course 2010
  - Awarded NRSA F32 (Goldstein, Mentor) 2010

**International Post-Graduate Fellows Rotating in Lab**

- 2006 – 2007 A.S. Gonul, MD, Associate Professor of Psychiatry, Ege Univ. School of Medicine, Turkey  
 2007 D. Baeyens, PhD, Ghent University, Belgium  
 2007 – 2008 J. Trigo Diaz, PhD, Psychobiology, Universidad Complutense de Madrid, Spain

**Undergraduate Students Rotating/Volunteering in Lab**

- 1999 M. Schullery, Bowdoin College (next: PsyD Widener University, Chester, PA)  
 2000 F. Bashan, Northeastern University (next: PsyD Wright Institute, Berkeley, CA)  
 2003 V. Vassiliades, SUNY SB (next: graduate student CW Post psychology dept)  
 2004 – 2005 D. Dellosch, SUNY SB (next: graduate student Boston Univ. School of Public Health)  
 2005 R. McIntosh, Medgar Evers College  
 2007 – 2008 P. Saxena, SUNY SB Psychology  
 2007 – 2008 G.E. Niebanck, St. Joseph's College  
 2008 – 2009 J. Weill, SUNY SB Biology  
 2008 – 2009 C. Liebling, SUNY SB (next: SUNY SB MD student)  
 2009 – 2010 P. Zoccoli, Suffolk Community College (next: Molloy College psychiatric nurse practitioner)  
 2009 – current K. Whearty, University of Connecticut BA Psychology  
 2010 – current F. Hruska, SUNY SB Psychology (BSc May 2012).

**Undergraduate, Recipients of SULI (Science Undergraduate Laboratory Interns)**

- 2001 – 2002 S. S. Khalsa, SUNY SB honors student (next: MD/PhD at Iowa Medical School followed by Psychiatry residence/post-doc UCLA)  
 2002 D. D'Angelo, SUNY Potsdam (next: research assistant at Nathan Klein Institute)  
 2005 – 2006 T. Lukasik, SUNY SB (next: MA Psychology, John's Hopkins University)  
 2005 – 2007 O. Yeliosof, SUNY SB and Cullen Trust travel awardee (next: NIDA training)  
 2007 – 2009 C. Urban, SUNY Geneseo Biology and Psychology double major, Chemistry minor  
 2007 B. Blankson, SUNY SB Psychology  
 2007 A. Henry, Dartmouth College  
 2007 – 2008 A. Yakubov, SUNY SB Psychology  
 2009 L. Speed, University of Virginia Psychology and Spanish

**High School Students Rotating/Volunteering in Lab**

- 2004 C. Wong, Miller Place High School (next: Columbia University undergraduate student)  
 2009 R. Rao, Ward Melville High School (Intel Science Talent Search 2010 Semifinalist)  
 2010 R. Javadi, Ward Melville High School

**Other**

- 2004 – current T. Maloney, PhD, SUNY SB Biopsychology (BNL non-scientific staff/lab manager)

**PUBLICATIONS**

*(ISI Citation Report: 1,111 citations, 25 per article, h-index=13; NC is number of citations as per ISI web of knowledge, 12/30/10; \*designates mentee as first author)*

**Peer-reviewed original research articles**

1. Raz S, **Goldstein R**, Hopkins TL, Lauterbach MD, Shah F, Porter CL, Riggs WW, MaGill LH, Sander CJ. (1994). Sex differences in early vulnerability to cerebral injury and their neurodevelopmental implications. Psychobiology, 22(3), 244-253. **NC: 14**
2. **Goldstein R**, Harvey AS, Duchowny M, Jayakar P, Altman N, Resnick T, Levin B, Dean P, Alvarez L. (1996). Preoperative clinical, EEG, and imaging findings do not predict seizure outcome following temporal lobectomy in childhood. Journal of Child Neurology, 1(6), 445-450. **NC: 20**
3. **Goldstein RZ**, Volkow ND, Wang G-J, Fowler JS, Rajaram S. (2001). Addiction changes orbitofrontal gyrus function: involvement in response inhibition. NeuroReport, 12(11), 2595-2599. **NC: 68**
4. **Goldstein RZ**, Hurwitz BE, Llabre MM, Schneiderman N, Gutt M, Skyler JS, Prineas RJ, Donahue RP. (2001). Modeling preclinical cardiovascular risk for use in epidemiologic studies: Miami community health study. American Journal of Epidemiology, 154(8), 765-776. **NC: 2**
5. **Goldstein RZ**, Giovannetti T, Schullery TM, Zuffante P, Lieberman JA, Robinson DG, Barr WB, Bilder RM. (2002). Neurocognitive correlates of response to treatment in formal thought disorder in first-episode schizophrenia. Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 15(2), 88-98. **NC: 2**
6. **Goldstein RZ**, Volkow ND, Chang L, Wang G-J, Fowler JS, Depue RA, Gur RC. (2002). The Orbitofrontal Cortex in Methamphetamine Addiction: Involvement in Fear. NeuroReport, 13(17), 1-5. **NC: 17**
7. Giovannetti T, **Goldstein RZ**, Schullery TM, Barr WB & Bilder RM. (2003). Category fluency in first-episode schizophrenia. Journal of the International Neuropsychological Society, 9(3), 384-393. **NC: 7**
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**Peer-reviewed computer science full-length proceeding** (*Note: Conferences are the primary means of dissemination in Computer Science; top-tier conferences such CVPR and NIPS have rigorous two-tier peer review process of 4-12 pages submissions and only ~20% papers submitted to such venues are accepted for publication*)

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62. \*Moeller SJ, Hajcak G, Parvaz MA, Dunning JP, Volkow ND, **Goldstein RZ**. Event-related potentials in the prediction of choice: relevance to insight.
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### Conference Slide Presentations

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11. \*Moeller SJ, Parvaz MA, Dunning JP, Maloney T, Alia-Klein N, Woicik PA, Hajcak G, Telang F, Wang G-J, Volkow ND, and **Goldstein RZ**. Behavioral preference for cocaine stimuli in cocaine addiction: results of two novel choice tasks. SFN, Washington DC, November 2008. **SFN Press Book submission.**
12. **Goldstein RZ**. The prefrontal cortex in reinforcement and inhibitory control in cocaine addiction: evidence from human neuroimaging studies. Israeli SFN, Eilat, Israel, December 2008.
13. Tomasi D, Volkow ND, Wang RL, Carrillo JH, Maloney T, Alia-Klein N, Woicik PA, Telang F, **Goldstein RZ**. Disrupted midbrain-thalamic functional connectivity in cocaine abusers. The 17<sup>th</sup> ISMRM Meeting, Honolulu, Hawaii, April 2009.

### Conference Poster Presentations

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