

## CURRICULUM VITAE

**Martin Peter Paulus, MD**

### **PRESENT TITLE AND AFFILIATION**

#### **Scientific Director and President**

Laureate Institute for Brain Research

6655 S Yale Ave

Tulsa, OK 74136-3326

Phone: 918 502 5120

FAX: 918 502 5135

email: [mpaulus@laureateinstitute.org](mailto:mpaulus@laureateinstitute.org)

twitter: @mpwpaulus

web: [www.laureateinstitute.org](http://www.laureateinstitute.org)

#### **Adjunct Professor of Psychiatry**

Department of Psychiatry

Laboratory of Biological Dynamics and Theoretical Medicine

UC San Diego

email: [mpaulus@health.ucsd.edu](mailto:mpaulus@health.ucsd.edu)

#### **Professor of Neuroscience**

College of Health Sciences, Community Medicine

University of Tulsa

web: [faculty.utulsa.edu/faculty/martin-paulus/](http://faculty.utulsa.edu/faculty/martin-paulus/)

BIRTHDATE: 06/20/1961

CITIZENSHIP: U.S., German

BOARD CERTIFICATION: American Board of Psychiatry and Neurology, March 2009 – December 2029

LICENSE: California A053845, valid until June 2022

Oklahoma 30434, valid until April 2022

### **TRAINING**

Medical School	Johannes Gutenberg University Mainz, Germany Oct, 1979 - Sep, 1986
Postgraduate Fellowship German Federation of Research	UC San Diego Oct, 1986 - Sep, 1987
Postdoctoral Fellow	UC San Diego Oct, 1987 - Jul, 1990
Assistant Research Psychobiologist	UC San Diego Jul, 1990 - Jun, 1993
Internship	Long Island Jewish Medical Center, Hillside Hospital Jul, 1993 - Jun, 1994
Residency in Psychiatry	UC San Diego Jul, 1994 - Jun, 1996
Fellowship in Biological Psychiatry and Neuroscience	UC San Diego Jul, 1996 - Jun, 1997

### **FACULTY POSITIONS**

Assistant Professor in Residence	UC San Diego Jul, 1997 - Jun, 2000
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Staff Psychiatrist	Veterans Affairs San Diego Health Care System Jul, 1997 - Jun, 2018
Associate Professor in Residence	UC San Diego Jul, 1997 - Jun, 2005
Associate Chief of Psychiatry	Veterans Affairs San Diego Health Care System Jul, 1999 - Dec, 2011
Acting Chief of Psychiatry	Veterans Affairs San Diego Health Care System 2011
Director of Telemental Health	Veterans Affairs San Diego Health Care System Dec, 2011 - May, 2014
Professor in Residence	UC San Diego Jul, 2005 - May, 2014
Training Director T32 Fellowship in Biological Psychiatry and Neuroscience	UC San Diego Jul, 2010 - May, 2014
Scientific Director and President of the	Laureate Institute for Brain Research May, 2014 - Present
Adjunct Professor of Psychiatry	UC San Diego May, 2014 - Present
Professor of Psychiatry	University of Oklahoma Health Sciences, Tulsa Campus Jan, 2015 - Present
Professor of Neuroscience	University of Tulsa, College of Community Medicine May, 2015 - Present

#### **HONORS AND AWARDS**

1996	NIMH Outstanding Resident Award
1997	Lewis Judd Resident Research Award
1997	Society for Biological Psychiatry Outstanding Resident Award
2000	National Alliance for the Mentally Ill Young Investigator Award

#### **PROFESSIONAL ORGANIZATIONS**

American Medical Association  
American College for Neuropsychopharmacology  
Anxiety & Depression Association of America  
European Behavioral Pharmacology Society  
Society for Biological Psychiatry  
Society for Neuroscience

#### **EDITORIAL AND REVIEW WORK**

Deputy Editor JAMA Psychiatry

#### **Reviewing Editor / Editorial Board:**

Biological Psychiatry  
Biological Psychiatry-Cognitive Neuroscience and Neuroimaging  
Depression and Anxiety  
Frontiers in Neuroscience  
Neuroscience & Biobehavioral Reviews  
Progress in Neuro-Psychopharmacology & Biological Psychiatry  
Social Neuroscience

**Reviewer for:**

American Journal of Geriatric Psychiatry, American Journal of Psychiatry, Archives of General Psychiatry, Behavioral Brain Research, Behavioral Neuroscience, Biological Psychiatry, Biological Psychiatry - Cognitive Neuroscience and Neuroimaging, Biological Psychology, Brain Imaging and Behavior, Brain Research, Brain Structure and Function, Cerebral Cortex, Cognitive, Affective, and Behavioral Neuroscience, Drug and Alcohol Dependence, Human Brain Mapping, Journal of Affective Disorder, Journal of Cognitive Neuroscience, Journal of Neuroscience, Journal of Neuroscience, Psychology, and Economics, Journal of Psychopharmacology, Journal of Studies on Alcohol, Journal of the American Academy of Child and Adolescent Psychiatry, Nature Neuroscience, Nature Communications, Nature Human Behavior, Neuroimage, Neuroimage Clinical, Neuron, Neuropsychologia, Neuropsychopharmacology, Pharmacology Biochemistry and Behavior, Physical Review Letters, PLOS one, Proceedings of the National Academy of Science of the U.S.A., Psychiatry Research, Psychiatry Research: Neuroimaging, Psychological Medicine, Psychological Science, Psychopharmacology, Science, Science Advance, Trends in Cognitive Science.

**SERVICE: UNIVERSITY OF CALIFORNIA SAN DIEGO**

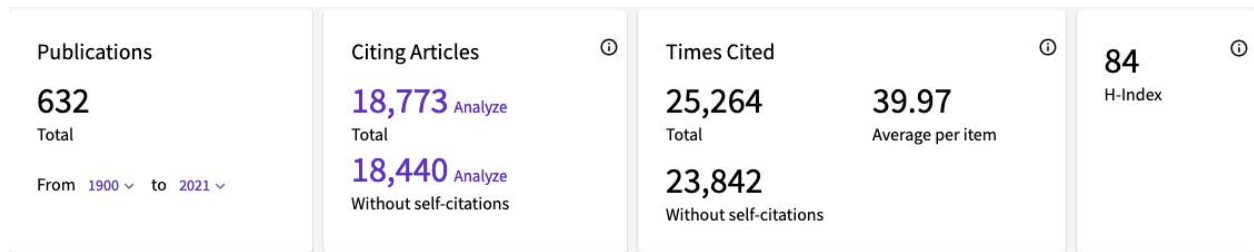
1999-2009 Member, Biological Psychiatry Fellowship Committee  
2000-2010 Member, Institutional Review Board  
2010-2011 Member, Search Committee for Medicine Chair

**SERVICE: SCIENTIFIC COMMUNITY**

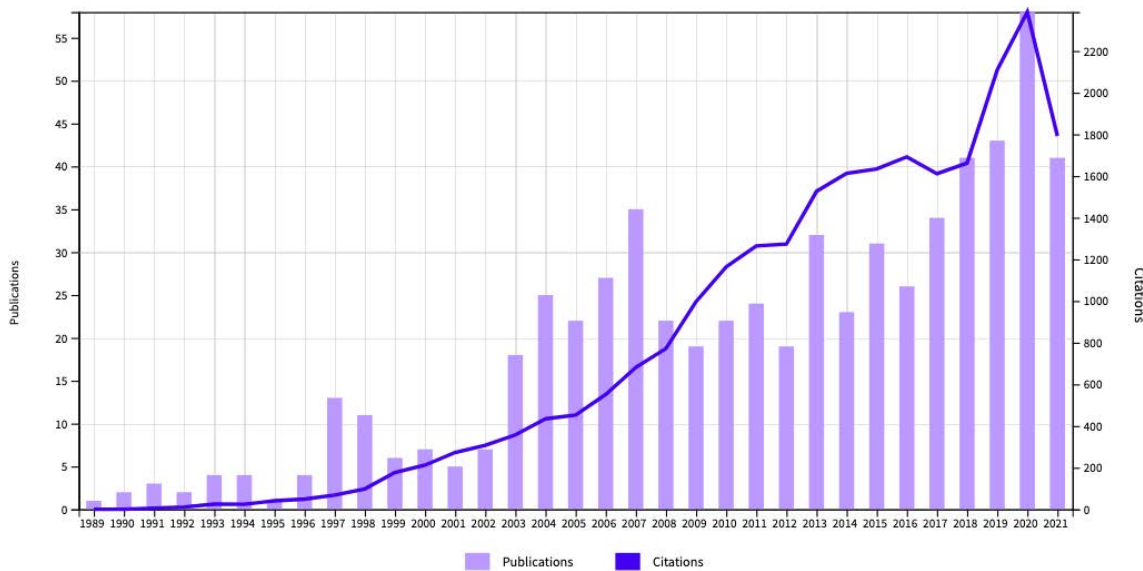
2000-present Adhoc reviewer, NIMH  
2003-2004 Center grant reviewer, NIH  
2006, 2010 Committee member, ZRG1-SBIB-H(40) Special Emphasis Panel, NIH  
2006, 2010 Committee member, ZRG1 RPHB-H Scientific review group, NIH  
2006-2009 Study section member, Risk, Prevention and Intervention for Addictions (RPIA), NIH  
2007 Roadmap reviewer, NIH  
2007-present Adhoc member, Center Review Committee, NIDA  
2008 Panel Member: "Opportunities in Neuroscience for Future Army Applications, National Academies of Sciences  
2008 Member, Grant Review Committee, DoD  
2010- 2012 Regular member, K-Committee, NIDA  
2010-present Standing review panel member, Behavioral Health & Performance, NASA  
2011 Adhoc member, Intramural Program Review, NIDA  
2011 Member, Board of Scientific Advisors, Laureate Institute for Brain Research  
2012 Reviewer, CDMRP  
2012 Pioneer award reviewer, NIH  
2013 Reviewer, Tobacco Regulation Research, FDA/NIH  
2013 Eureka award reviewer, NIH  
2013 Ad-hoc reviewer, Interventions Committee for Adult Disorders (ITVA), NIH  
2013 Scientific review group member, Special Emphasis Panel 2014/01 ZMH1 ERB-S, NIH  
2013 Scientific review group member, Special Emphasis Panel 2014/01 ITVA S, NIH  
2015 Special Emphasis Panel member, RFA Dimensional Approaches to Research Classification in Psychiatric Disorders, NIMH  
2015 Review panel member, Behavioral Science, NASA  
2015 Member, Merit Behavioral Science Panel, Veterans Affairs  
2015, 2018 Adhoc reviewer, Center for Scientific Review, Adult Psychopathology and Disorders of Aging Study Section, NIH  
2016-present Adhoc reviewer, Center for Scientific Review, MHBA Study Section, NIH

2018-present Member, Board of Scientific Counselors, NIMH

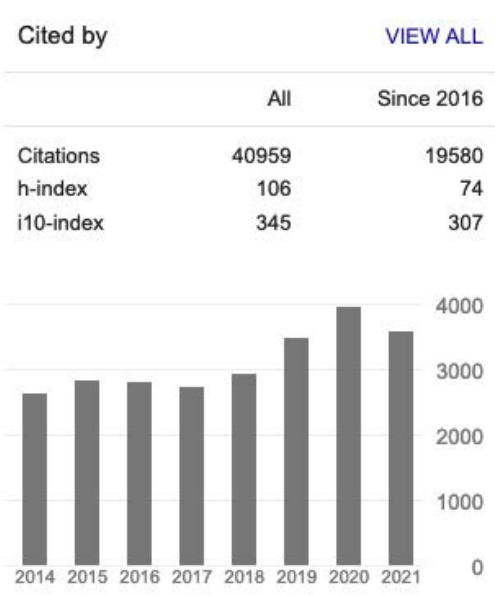
**Web of Science (9/9/2021):**



Times Cited and Publications Over Time



**Google Scholar (9/9/2021):**



Dr. Martin Paulus joined the Laureate Institute for Brain Research (LIBR) in Tulsa Oklahoma as the Scientific Director and President in May 2014. Prior to this transition, he had been a Professor in the Department of Psychiatry at the University of California San Diego (UCSD) and the Director of Telemental Health at the Veterans Affairs San Diego Health Care System (VASDHS). Dr. Paulus has published over 300 peer-reviewed publications (some in top tier journals like *Science*, *Nature Reviews Neuroscience*, *PNAS*, *JAMA Psychiatry*, *Lancet Psychiatry*, *Biological Psychiatry*, *Neuropsychopharmacology*, and the *American Journal of Psychiatry*). Dr. Paulus received the UCSD Lew Judd young investigator award, the NAMI young investigator award, and the NIMH Outstanding Resident Award. He is the Deputy Editor of *JAMA Psychiatry* and is on several editorial boards of top-tier psychiatric journals. He has served on numerous NIH and International Study Sections. Dr. Paulus has a Google Scholar h-index of 106 and has published over 500 peer-reviewed manuscripts. Dr. Paulus is the Deputy Editor of *JAMA*

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Psychiatry, a Series Editor for Current Topics in Behavioral Neuroscience, and is on several editorial boards of top-tier psychiatric journals. He has served on numerous NIH and International Study Sections and is currently on the National Institute of Mental Health Board of Scientific Councilors. The goal for LIBR is to identify disease-modifying processes (DMP) based on circuits, behavior, or other levels of analysis, which – when modulated – change (1) the risk for, (2) the severity of, or (3) the recurrence of a disease such as mood, anxiety, or substance use disorder. Dr. Paulus’ program of research is to delineate DMPs and provide pathways towards the development of process-specific transdiagnostic interventions that have pragmatic utility, i.e., improve a patient’s condition faster with fewer side effects and fewer recurrences, and explanatory value, i.e. refine our understanding of the causal relationships between specific processes and a mental health condition.

**SHORT NARRATIVE OF CLINICAL INTERESTS:**


Dr. Paulus’ main clinical focus over the past 20 years has been to develop novel ways of providing mental health care to Veterans. Specifically, during his tenure as a VA Psychiatrist, the VA San Diego Healthcare System (VASDHS) was awarded special funds from the Department of Veterans Affairs to establish evidence-based psychotherapy for individuals with post-traumatic stress disorder. Moreover, the VASDHS has been identified as a Regional Center of Excellence for Telemental Health. As the Director of this Center, he was able to utilize these additional funds to determine whether novel treatment delivery using tablet computers and video interface can be useful for both psychotherapy and medication management of psychiatric disorders in Veterans.







**TEACHING AND TRAINING**







- 1997-2014 Psychiatry Resident Instructor, UC San Diego
- 1997-2014 Medical Student Instructor, UC San Diego
- 1997-2015 Supervisor to Postgraduate Fellows, UC San Diego
- 2000-present Member of Neuroscience Faculty, Neuroscience 200C Instructor, UC San Diego
- 2010-2014 T32 Program Director, Fellowship for Biological Psychiatry and Clinical Neuroscience, UC San Diego
- 2017-present Director, NIGMS Center of Biological Research Excellence Program, LIBR

**SUPERVISED STUDENTS, POSTDOCTORAL FELLOWS OR JUNIOR FACULTY**







The following table summarizes my mentorship activity in promoting young researchers to establish themselves in various fields.






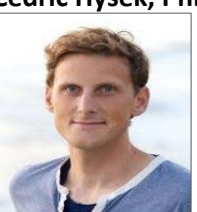
Faculty/Postdoctoral Fellows	Research Topic	Supervision	Funding Support or Current Position
<p><b>Scott Matthews, MD</b></p> 	<p>The use of fMRI to characterize the neural correlates of emotional, behavioral and autonomic control</p>	<p>7/2003-6/2014</p>	<p>Staff Psychiatrist, VA San Diego Healthcare System Aspire Center</p>





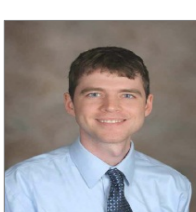

<p><b>Alan Simmons, PhD</b></p> 	<p>Neural system dysfunctions in combat veterans returning from Iraq and Afghanistan</p>	<p>7/2003-7/2014</p>	<p>Associate Professor, UCSD</p>
<p><b>Tony Yang, MD, PhD</b></p> 	<p>Neural systems dysfunction in adolescent depression</p>	<p>7/2004-6/2012</p>	<p>Associate Professor, UCSF</p>
<p><b>Amanda Grethe, PhD</b></p> 	<p>Relationship between reward mechanisms and motor control in the basal ganglia.</p>	<p>7/2003-7/2010</p>	<p>Associate Professor, UCSD</p>
<p><b>Marc Wittmann, PhD</b></p> 	<p>Neural systems underlying the experience of time.</p>	<p>9/2004-7/2010</p>	<p>Staff Scientist Institute for Frontier Areas of Psychology, Freiburg</p>
<p><b>Irina Strigo, PhD</b></p> 	<p>Neural networks of affective processing in depression</p>	<p>9/2004-7/2009</p>	<p>Associate Professor of Psychiatry, UCSF School of Medicine</p>
<p><b>Sara Mednick, PhD</b></p> 	<p>Pharmaco Imaging to determine the neural basis of napping.</p>	<p>7/2007-7/2011</p>	<p>Associate Professor, UC Riverside</p>

<p><b>Estibaliz Arce, PhD</b></p> 	<p>Neural systems underlying resilience</p>	<p>7/2005-7/2009</p>	<p>Director, Clinical, Neuroscience and Pain Research Unit, Pfizer</p>
<p><b>David Leland, PhD</b></p> 	<p>Neural system underlying risk-taking in stimulant users</p>	<p>3/2004-3/2008</p>	<p>Associate Professor, University of Wisconsin-Eau Claire</p>
<p><b>Jennifer Aron, PhD</b></p> 	<p>Tactile c-fiber afferents: a system for probing affective processing, anticipation, and models of drug abuse</p>	<p>10/2005-7/2011</p>	<p>Postdoctoral Scholar Research Associate, Keck School of Medicine of USC</p>
<p><b>Justin Feinstein, PhD</b></p> 	<p>Insula Function and Emotion</p>	<p>10/2001-2/2006</p>	<p>Assistant Professor, University of Tulsa, Department of Psychology and Oxley College of Health Sciences</p>
<p><b>Guido Frank, MD</b></p> 	<p>Reward Processing and Eating Disorders</p>	<p>10/2005-6/2007</p>	<p>Associate Professor, University of Colorado, Denver</p>
<p><b>Martina Reske, PhD</b></p> 	<p>Inhibitory Processing in Stimulant Using Individuals</p>	<p>1/2008-1/2010</p>	<p>Staff Scientist, Forschungszentrum Jülich, Computational and Systems Neuroscience (INM-6)</p>





<p><b>Dharol Tankersley, PhD</b></p> 	<p>PharmacofMRI: Benzodiazepine effects on emotion processing</p>	<p>7/2008-7/2009</p>	<p>Business Intelligence Analyst, Enerpact LLC</p>
<p><b>Adrienne Moore</b></p> 	<p>Interoception and Empathy</p>	<p>6/2008-7/2009</p>	<p>Clinical Coordinator, UC San Diego, Autism Center of Excellence</p>
<p><b>Sarah Wu</b></p> 	<p>Genetics and Neuroimaging in Anxiety</p>	<p>1/2009-7/2009</p>	<p>Graduate Student Researcher, University of Colorado, Denver</p>
<p><b>Jennifer Stewart, PhD</b></p> 	<p>Decision-making and Stimulant use</p>	<p>2/2010-7/2014</p>	<p>Assistant Professor, Queens College, New York</p>
<p><b>Colm Connolly, PhD</b></p> 	<p>Risk-taking and Methamphetamine dependence</p>	<p>1/2010-6/2012</p>	<p>Associate Specialist, UCSF</p>
<p><b>Tali Ball, PhD</b></p> 	<p>Neural processing underlying Anxiety disorders</p>	<p>7/2009-7/2014</p>	<p>Postdoctoral Research Fellow, Stanford University</p>

<p><b>Robin Aupperle, PhD</b></p> 	<p>Approach-Avoidance Conflict in Anxiety disorders</p>	<p>7/2009-7/2011</p>	<p>Assistant Professor, Laureate Institute for Brain Research and University of Tulsa</p>
<p><b>Charlie Taylor, PhD</b></p> 	<p>Neural Basis of Computerized Attention Training</p>	<p>7/2011-12/2012</p>	<p>Assistant Adjunct Professor, UCSD</p>
<p><b>M. Scott Mackey, PhD</b></p> 	<p>Structural Brain Changes associated with stimulant use</p>	<p>8/2011-7/2014</p>	<p>Assistant Professor, University of Vermont</p>
<p><b>Ashley Juavinett, PhD</b></p> 	<p>Neural processing of aversive interoceptive stimuli in stimulant users</p>	<p>7/2011- 6/2012</p>	<p>Assistant Teaching Professor, UCSD, Division of Biological Sciences</p>
<p><b>Joshua Gowin, PhD</b></p> 	<p>Behavioral and neuroimaging of Risk-taking</p>	<p>2/2012-8/2013</p>	<p>Assistant Professor, University of Denver</p>
<p><b>Cedric Hysek, PhD</b></p> 	<p>Effects of methylphenidate on brain function: A placebo-controlled dose-response fMRI study with an active control</p>	<p>8/2013-8/2015</p>	<p>Owner, Apotheke, Biel, Switzerland</p>

<p><b>Katia Marina Harle,</b></p> 	<p>Neural systems underlying emotion regulation in stimulant dependence</p>	<p>7/2012-9/2016</p>	<p>Assistant Clinical Professor, UC San Diego</p>
<p><b>Lori Hasse, PhD</b></p> 	<p>Neural systems underlying optimal performance and stress-resilience</p>	<p>7/2012-7/2014</p>	<p>Assistant Clinical Professor of Psychiatry, UC San Diego</p>
<p><b>Max Schiff MD, PhD</b></p> 	<p>Bayesian Models of Decision-making in Psychiatry</p>	<p>07/2013-7/2014</p>	<p>Instructor in Psychiatry, Vanderbilt University</p>
<p><b>He Crane Huang, PhD</b></p> 	<p>Inverse Optimization Models of Reward in Depression</p>	<p>07/2013-11/2016</p>	<p>Machine Learning Researcher, Apple</p>
<p><b>Jonathon Howlett, MD</b></p> 	<p>The influence of counterfactual comparisons on decision making in depression</p>	<p>07/2012-present</p>	<p>Associate Physician, UCSD</p>
<p><b>Hamed Ekhtiari, MD, PhD</b></p> 	<p>Precision Addiction Medicine</p>	<p>11/2015-present</p>	<p>Visiting Scientist, Postdoctoral Researcher, Laureate Institute for Brain Research (LIBR)</p>

<p><b>Maria Puhl, PhD</b></p> 	<p>Application of Drift Diffusion Models in Computational Psychiatry</p>	<p>07/2017- 07/2018</p>	<p>Statistician, Statistica, Palo Alto, CA</p>
<p><b>Trang Le, PhD</b></p> 	<p>Machine Learning Approach to Determine Brain Age</p>	<p>07/2016-07/2018</p>	<p>Postdoctoral Fellow, U Penn</p>
<p><b>Chunliang Fen, PhD</b></p> 	<p>Neighborhood Influence on Mental Health</p>	<p>01/2017-11/2018</p>	<p>Associate Professor, South China Normal University</p>
<p><b>Katie Forthman, MS</b></p> 	<p>Dimensions of neighborhood tracts and their associations with mental health problems</p>	<p>07/2016-05/2019</p>	<p>Data Scientist, Laureate Institute for Brain Research</p>
<p><b>Janna Colaizzi, PhD</b></p> 	<p>Sign and goal tracking in youth as a risk factor for drug addiction</p>	<p>08/2018-present</p>	<p>Postdoctoral Fellow, Laureate Institute for Brain Research</p>
<p><b>Philip Spechler, Ph.D</b></p> 	<p>Brain Systems underlying Cannabis and Mood Disorders</p>	<p>07/2019-present</p>	<p>Postdoctoral Fellow, Laureate Institute for Brain Research</p>

<p><b>Leandra Figueroa-Hall, Ph.D.</b></p> 	<p>TLR4 and exosomal pathways in depression</p>	<p>07/2019-present</p>	<p>Postdoctoral Fellow, Laureate Institute for Brain Research</p>
<p><b>Haixia Zheng, Ph.D.</b></p> 	<p>Gray and white matter abnormalities associated with inflammation in depression.</p>	<p>07/2019-present</p>	<p>Postdoctoral Fellow, Laureate Institute for Brain Research</p>

## PUBLICATIONS

### **Peer-Reviewed Data-Based Papers:**

1. Cohen ZP, Cosgrove KT, DeVille DC, Akeman E, Singh MK, White E, Stewart JL, Aupperle RL, **Paulus** MP, Kirlic N (2021): The Impact of COVID-19 on Adolescent Mental Health: Preliminary Findings From a Longitudinal Sample of Healthy and At-Risk Adolescents. *Front Pediatr.* 9:622608.
2. Park H, Forthman KL, Kuplicki R, Victor TA, Tulsa I, Yeh HW, Thompson WK, **Paulus** MP (2021): Polygenic risk for neuroticism moderates response to gains and losses in amygdala and caudate: Evidence from a clinical cohort. *J Affect Disord.* 293:124-132.
3. Howlett JR, Harle KM, **Paulus** MP (2021): Inhibitory failures in cocaine use disorder: Not paying attention when there is a need to be cautious. *Drug Alcohol Depend.* 226:108833.
4. Savitz J, Ford BN, Yeh HW, Akeman E, Cosgrove K, Clausen AN, Martell C, Kirlic N, Santiago J, Teague TK, Irwin MR, **Paulus** MP, Aupperle RL (2021): Behavioral activation therapy for depression is associated with a reduction in the concentration of circulating quinolinic acid - Erratum. *Psychological medicine.*1.
5. Lee EE, Govind T, Ramsey M, Wu TC, Daly R, Liu J, Tu XM, **Paulus** MP, Thomas ML, Jeste DV (2021): Compassion toward others and self-compassion predict mental and physical well-being: a 5-year longitudinal study of 1090 community-dwelling adults across the lifespan. *Translational psychiatry.* 11:397.
6. Kirlic N, Akeman E, DeVille DC, Yeh HW, Cosgrove KT, McDermott TJ, Touhngang J, Clausen A, **Paulus** MP, Aupperle RL (2021): A machine learning analysis of risk and protective factors of suicidal thoughts and behaviors in college students. *J Am Coll Health.*1-10.
7. Smith R, Kirlic N, Stewart JL, Touhngang J, Kuplicki R, McDermott TJ, Taylor S, Khalsa SS, **Paulus** MP, Aupperle RL (2021): Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. *Scientific reports.* 11:11783.
8. Chaarani B, Hahn S, Allgaier N, Adise S, Owens MM, Juliano AC, Yuan DK, Loso H, Ivanciu A, Albaugh MD, Dumas J, Mackey S, Laurent J, Ivanova M, Hagler DJ, Cornejo MD, Hatton S, Agrawal A, Aguinaldo L, Ahonen L, Aklin W, Anokhin AP, Arroyo J, Avenevoli S, Babcock D, Bagot K, Baker FC, Banich MT, Barch DM, Bartsch H, Baskin-Sommers A, Bjork JM, Blachman-Demner D, Bloch M, Bogdan R, Bookheimer SY, Breslin F, Brown S, Calabro FJ, Calhoun V, Casey BJ, Chang L, Clark DB, Cloak C, Constable RT, Constable K, Corley R, Cottler LB, Cox S, Dagher RK, Dale AM, Dapretto M, Delcarmen-Wiggins R, Dick AS, Do EK, Dosenbach NUF, Dowling GJ, Edwards S, Ernst TM, Fair DA, Fan CC, Feczko E, Feldstein-Ewing SW, Florsheim P, Foxe JJ, Freedman EG, Friedman NP, Friedman-Hill S, Fuemmeler BF, Galvan A, Gee DG, Giedd J, Glantz M, Glaser P, Godino J, Gonzalez M, Gonzalez R, Grant S, Gray KM, Haist F, Harms MP, Hawes S, Heath AC, Heeringa S, Heitzeg MM, Hermsillo R, Herting MM,

- Hettema JM, Hewitt JK, Heyser C, Hoffman E, Howlett K, Huber RS, Huestis MA, Hyde LW, Iacono WG, Infante MA, Irfanoglu O, Isaiah A, Iyengar S, Jacobus J, James R, Jean-Francois B, Jernigan T, Karcher NR, Kaufman A, Kelley B, Kit B, Ksinan A, Kuperman J, Laird AR, Larson C, LeBlanc K, Lessov-Schlagger C, Lever N, Lewis DA, Lisdahl K, Little AR, Lopez M, Luciana M, Luna B, Madden PA, Maes HH, Makowski C, Marshall AT, Mason MJ, Matochik J, McCandliss BD, McGlade E, Montoya I, Morgan G, Morris A, Mulford C, Murray P, Nagel BJ, Neale MC, Neigh G, Nencka A, Noronha A, Nixon SJ, Palmer CE, Pariyadath V, **Paulus** MP, Pelham WE, Pfefferbaum D, Pierpaoli C, Prescott A, Prouty D, Puttler LI, Rajapaske N, Rapuano KM, Reeves G, Renshaw PF, Riedel MC, Rojas P, de la Rosa M, Rosenberg MD, Ross MJ, Sanchez M, Schirda C, Schloesser D, Schulenberg J, Sher KJ, Sheth C, Shilling PD, Simmons WK, Sowell ER, Speer N, Spittel M, Squeglia LM, Sripada C, Steinberg J, Striley C, Sutherland MT, Tanabe J, Tapert SF, Thompson W, Tomko RL, Uban KA, Vrieze S, Wade NE, Watts R, Weiss S, Wiens BA, Williams OD, Wilbur A, Wing D, Wolff-Hughes D, Yang R, Yurgelun-Todd DA, Zucker RA, Potter A, Garavan HP, Consortium A (2021): Baseline brain function in the preadolescents of the ABCD Study. *Nat Neurosci*.
9. Kuplicki R, Touthang J, Zoubi OA, Mayeli A, Misaki M, Aupperle RL, Teague TK, McKinney BA, **Paulus** M, Bodurka J (2021): Common Data Elements, Scalable Data Management Infrastructure and Analytics Workflows for Large-scale Neuroimaging Studies. *medRxiv*.2021.2003.2016.21253726.
10. Figueroa-Hall LK, **Paulus** MP, Savitz J (2020): Toll-Like Receptor Signaling in Depression. *Psychoneuroendocrinology*. 121:104843.
11. Dick AS, Lopez DA, Watts AL, Heeringa S, Reuter C, Bartsch H, Fan CC, Kennedy DN, Palmer C, Marshall A, Haist F, Hawes S, Nichols TE, Barch DM, Jernigan TL, Garavan H, Grant S, Pariyadath V, Hoffman E, Neale M, Stuart EA, **Paulus** MP, Sher KJ, Thompson WK (2021): Meaningful Associations in the Adolescent Brain Cognitive Development Study. *Neuroimage*.118262.
12. Al Zoubi O, Misaki M, Bodurka J, Kuplicki R, Wohlrab C, Schoenhals WA, Refai HH, Khalsa SS, Stein MB, **Paulus** MP, Feinstein JS (2021): Taking the body off the mind: Decreased functional connectivity between somatomotor and default-mode networks following Floatation-REST. *Hum Brain Mapp*.
13. Kerr KL, Ralph-Nearman C, Colaizzi JM, DeVille DC, Breslin FJ, Aupperle RL, **Paulus** MP, Morris AS (2021): Gastric symptoms and low perceived maternal warmth are associated with eating disorder symptoms in young adolescent girls. *Int J Eat Disord*.
14. Cohen ZP, Cosgrove KT, Akeman E, Coffey S, Teague K, Hays-Grudo J, **Paulus** MP, Aupperle RL, Kirlic N (2021): The effect of a mindfulness-based stress intervention on neurobiological and symptom measures in adolescents with early life stress: a randomized feasibility study. *BMC Complement Med Ther*. 21:123.
15. Kirlic N, Colaizzi JM, Cosgrove KT, Cohen ZP, Yeh HW, Breslin F, Morris AS, Aupperle RL, Singh MK, **Paulus** MP (2021): Extracurricular Activities, Screen Media Activity, and Sleep May Be Modifiable Factors Related to Children's Cognitive Functioning: Evidence From the ABCD Study((R)). *Child Dev*.
16. Spechler PA, Stewart JL, Kuplicki R, Tulsa I, **Paulus** MP (2021): COVID-19 vaccine willingness and cannabis use histories. *medRxiv*.
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**FUNDING HISTORY**

Dr. Paulus has received a total of \$46,346,267 of federal funding according to NIH Reporter. (Access 9/9/2021: NIH Reporter: <https://reporter.nih.gov/search/6hCiVwXFtESBp4xSAjGCPA/projects?PI=1865219;6093788> )

Project Title	Administering IC	Project Number	Project Start Date	Project End Date	Organization Name	Total Cost IC
Administrative Core	NIGMS	5P20GM121312-05	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	
The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP)	NIGMS	5P20GM121312-05	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,187,296.00
15/21 ABCD-USA Consortium: Research Project Site at LIBR	NIDA	5U01DA050989-02	4/15/20	3/31/27	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,113,658.00
Administrative Core	NIGMS	5P20GM121312-04	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	
The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP)	NIGMS	5P20GM121312-04	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,220,447.00
15/21 ABCD-USA Consortium: Research Project Site at LIBR	NIDA	1U01DA050989-01	4/15/20	3/31/27	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,138,910.00
Administrative Core	NIGMS	5P20GM121312-03			LAUREATE INSTITUTE FOR BRAIN RESEARCH	
The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP)	NIGMS	5P20GM121312-03	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,270,739.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-05S1	9/30/15	4/14/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$119,406.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-05	9/30/15	4/14/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$3,323,000.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-05	9/30/15	4/14/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$10,000.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-05	9/30/15	4/14/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$1,000,000.00
Administrative Core	NIGMS	5P20GM121312-02			LAUREATE INSTITUTE FOR BRAIN RESEARCH	

The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP)	NIGMS	5P20GM121312-02	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,308,176.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-04S1	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$8,467.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-04	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$3,343,800.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-04	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$1,000,000.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-04S3	9/30/15	6/30/19	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$390,798.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-04S5	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$135,163.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-04S4	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$140,799.00
ABCD-USA Consortium: Research Project	NIDA	3U01DA041089-04S2	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$119,343.00
Administrative Core	NIGMS	1P20GM121312-01			LAUREATE INSTITUTE FOR BRAIN RESEARCH	
The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP)	NIGMS	1P20GM121312-01	9/15/17	6/30/22	LAUREATE INSTITUTE FOR BRAIN RESEARCH	\$2,397,841.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-03	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$2,746,804.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-03	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$1,000,000.00
Latent Constructs: Negative-Positive Valence Domains in Anxiety and Depression	NIMH	4R01MH101453-04	9/9/13	11/30/17	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$455,316.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-02	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$1,233,639.00
ABCD-USA Consortium: Research Project	NIDA	5U01DA041089-02	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$990,000.00
Latent Constructs: Negative-Positive Valence Domains in Anxiety and Depression	NIMH	5R01MH101453-03	9/9/13	5/31/16	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$461,628.00
ABCD-USA Consortium: Research Project	NIDA	1U01DA041089-01	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$249,952.00

ABCD-USA Consortium: Research Project	NIDA	1U01DA041089-01	9/30/15	5/31/20	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$1,000,000.00
Latent Constructs: Negative-Positive Valence Domains in Anxiety and Depression	NIMH	5R01MH101453-02	9/9/13	5/31/17	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$471,880.00
Does amphetamine use impair brain systems in OEF/OIF veterans with PTSD?	VA	5I01CX000273-03	10/1/11	9/30/15	VA SAN DIEGO HEALTHCARE SYSTEM	
Fellowship on Biological Psychiatry and Neuroscience	NIMH	5T32MH018399-28	7/15/86	6/30/16	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$283,780.00
Center on Interoceptive Dysregulation in Addiction (CIDIA)	NIDA	5P20DA027843-04	3/15/10	2/28/15	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$800,439.00
Interoceptive Dysregulation in Amphetamine Dependent Individuals	NIDA	5P20DA027843-04		2/28/15	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Negative reinforcement and interoceptive dysfunction in stimulant dependence.	NIDA	5R01DA027797-05	9/1/09	7/31/15	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$320,472.00
Latent Constructs: Negative-Positive Valence Domains in Anxiety and Depression	NIMH	1R01MH101453-01	9/9/13	5/31/17	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$466,589.00
Does amphetamine use impair brain systems in OEF/OIF veterans with PTSD?	VA	5I01CX000273-02	10/1/11	9/30/15	VA SAN DIEGO HEALTHCARE SYSTEM	
Fellowship on Biological Psychiatry and Neuroscience	NIMH	5T32MH018399-27	7/15/86	6/30/16	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$303,165.00
Center on Interoceptive Dysregulation in Addiction (CIDIA)	NIDA	5P20DA027843-03	3/15/10	2/28/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$853,338.00
Negative reinforcement and interoceptive dysfunction in stimulant dependence.	NIDA	5R01DA027797-04	9/1/09	7/31/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$333,825.00
Interoceptive Dysregulation in Amphetamine Dependent Individuals	NIDA	5P20DA027843-03			UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Center on Interoceptive Dysregulation in Addiction (CIDIA)	NIDA	5P20DA027843-02	3/15/10	2/28/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$884,598.00
Fellowship on Biological Psychiatry and Neuroscience	NIMH	2T32MH018399-26	7/15/86	6/30/16	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$230,018.00
Interoceptive Dysregulation in Amphetamine Dependent Individuals	NIDA	5P20DA027843-02			UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Negative reinforcement and interoceptive dysfunction in stimulant dependence.	NIDA	5R01DA027797-03	9/1/09	7/31/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$333,825.00
Does amphetamine use impair brain systems in OEF/OIF veterans with PTSD?	VA	1I01CX000273-01A2	10/1/11	9/30/15	VA SAN DIEGO HEALTHCARE SYSTEM	



Center on Interoceptive Dysregulation in Addiction (CIDIA)	NIDA	1P20DA027843-01	3/15/10	2/28/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$920,933.00
Fellowship in Biological Psychiatry & Neuroscience	NIMH	5T32MH018399-25	7/15/86	6/30/11	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$288,786.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NCCR	5M01RR000827-35	12/1/09	6/30/10	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
NEURAL SUBSTRATES UNDERLYING BEHAVIOR ORGANIZATION	NCCR	5M01RR000827-35	12/1/09	6/30/10	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Interoceptive Dysregulation in Amphetamine Dependent Individuals	NIDA	1P20DA027843-01	9/1/09	8/31/13	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Neurobiology Of Transition To Stimulant Dependence	NIDA	5R01DA016663-07	6/1/04	7/31/12	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$503,264.00
Negative reinforcement and interoceptive dysfunction in stimulant dependence.	NIDA	5R01DA027797-02	9/1/09	7/31/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$344,149.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NCCR	5M01RR000827-34	12/1/08	11/30/09	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
TIME PROCESSING IN STIMULANT USERS: IMPULSIVITY AND TEMPORAL DISCOUNTING	NCCR	5M01RR000827-34	12/1/08	11/30/09	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
NEURAL SUBSTRATES UNDERLYING BEHAVIOR ORGANIZATION	NCCR	5M01RR000827-34	12/1/08	11/30/09	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
Neurobiology Of Transition To Stimulant Dependence	NIDA	2R01DA016663-06	6/1/04	7/31/11	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$493,709.00
Negative reinforcement and interoceptive dysfunction in stimulant dependence.	NIDA	1R01DA027797-01	9/1/09	7/31/14	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$344,410.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NCCR	5M01RR000827-33	12/1/07	11/30/08	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
BEHAVIORAL ORGANIZATION IN PATIENTS WITH MOOD OR COGNITIVE DISORDERS	NCCR	5M01RR000827-33	12/1/07	11/30/08	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
CLINICAL TRIAL: FMRI STUDY COMPARING EMOTION-INDUCED BRAIN ACTIVATION PATTERNS	NCCR	5M01RR000827-33	12/1/07	11/30/08	UNIVERSITY OF CALIFORNIA, SAN DIEGO	
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	5R01DA016663-05	6/1/04	3/31/09	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$347,192.00
STIMULANT DEPENDENCE: NEURAL MECHANISMS OF RELAPSE	NIDA	5R01DA018307-05	9/30/04	6/30/10	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$251,237.00

Time processing in stimulant users: Impulsivity and temporal discounting	NIDA	5R03DA020687-02	7/20/07	6/30/10	UNIVERSITY OF CALIFORNIA, SAN DIEGO	\$75,705.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	5R01DA016663-04	4/1/04	3/31/09	UNIVERSITY OF CALIFORNIA	\$321,899.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NCCR	5M01RR000827-32	12/1/06	11/30/07	UNIVERSITY OF CALIFORNIA	
BEHAVIORAL ORGANIZATION IN PATIENTS WITH MOOD OR COGNITIVE DISORDERS	NCCR	5M01RR000827-32	12/1/06	11/30/07	UNIVERSITY OF CALIFORNIA	
STIMULANT DEPENDENCE: NEURAL MECHANISMS OF RELAPSE	NIDA	5R01DA018307-04	9/30/04	6/30/09	UNIVERSITY OF CALIFORNIA	\$256,365.00
Time processing in stimulant users: Impulsivity and temporal discounting	NIDA	1R03DA020687-01A1	7/20/07	6/30/09	UNIVERSITY OF CALIFORNIA	\$77,250.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NCCR	2M01RR000827-31	4/1/06	11/30/06	UNIVERSITY OF CALIFORNIA SAN DIEGO	
BEHAVIORAL ORGANIZATION IN PATIENTS WITH MOOD OR COGNITIVE DISORDERS	NCCR	2M01RR000827-31	4/1/06	11/30/06	UNIVERSITY OF CALIFORNIA SAN DIEGO	
STIMULANT DEPENDENCE: NEURAL MECHANISMS OF RELAPSE	NIDA	5R01DA018307-03	9/30/04	6/30/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$264,022.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	3R01DA016663-03S1	4/1/04	3/31/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$43,225.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	5R01DA016663-03	4/1/04	3/31/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$276,336.00
BEHAVIORAL ORGANIZATION IN PATIENTS WITH MOOD OR COGNITIVE DISORDERS	NCCR	3M01RR000827-30S2	12/1/03	11/30/05	UNIVERSITY OF CALIFORNIA SAN DIEGO	
STIMULANT DEPENDENCE: NEURAL MECHANISMS OF RELAPSE	NIDA	5R01DA018307-02	9/30/04	6/30/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$269,500.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	5R01DA016663-02	4/1/04	3/31/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$389,874.00
Behavioral Organization in Mood or Cognition Disorders	NCCR	5M01RR000827-30	12/1/03	11/30/04	UNIVERSITY OF CALIFORNIA SAN DIEGO	
STIMULANT DEPENDENCE: NEURAL MECHANISMS OF RELAPSE	NIDA	1R01DA018307-01	9/30/04	6/30/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$261,670.00
NEUROBIOLOGY OF TRANSITION TO STIMULANT DEPENDENCE	NIDA	1R01DA016663-01A1	6/1/04	3/31/09	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$381,160.00
NEUROIMAGING OF DECISION MAKING IN STIMULANT ADDICTION	NIDA	5R21DA013186-03	4/10/01	3/31/05	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$152,000.00

MDMA & Amphetamine--Behavioral Organization in Mice	NIDA	5R21DA014200-03	4/1/01	3/31/05	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$152,000.00
NEUROIMAGING OF DECISION MAKING IN STIMULANT ADDICTION	NIDA	5R21DA013186-02	4/10/01	3/31/04	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$152,000.00
MDMA & Amphetamine--Behavioral Organization in Mice	NIDA	5R21DA014200-02	4/1/01	3/31/04	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$152,000.00
NEUROIMAGING OF DECISION MAKING IN STIMULANT ADDICTION	NIDA	1R21DA013186-01A1	4/10/01	3/31/04	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$149,074.00
MDMA & Amphetamine--Behavioral Organization in Mice	NIDA	1R21DA014200-01	4/1/01	3/31/04	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$151,875.00
DRUGS OF ABUSE EFFECTS ON BEHAVIORAL ORGANIZATION	NIDA	5R01DA011277-03	9/30/97	7/31/01	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$167,664.00
DRUGS OF ABUSE EFFECTS ON BEHAVIORAL ORGANIZATION	NIDA	3R01DA011277-03S1	9/30/97	7/31/01	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$40,647.00
NON LINEAR DYSREGULATION IN SCHIZOPHRENIA	NIMH	5R03MH058358-02	5/1/98	4/30/01	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$74,986.00
DRUGS OF ABUSE EFFECTS ON BEHAVIORAL ORGANIZATION	NIDA	5R01DA011277-02	9/30/97	7/31/00	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$162,784.00
NON LINEAR DYSREGULATION IN SCHIZOPHRENIA	NIMH	1R03MH058358-01	5/1/98	4/30/00	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$72,700.00
DRUGS OF ABUSE EFFECTS ON BEHAVIORAL ORGANIZATION	NIDA	1R01DA011277-01	9/30/97	7/31/00	UNIVERSITY OF CALIFORNIA SAN DIEGO	\$160,740.00
Total Grants Awarded:						\$46,346,267.00
						0