

## CURRICULUM VITAE

**Martin Peter Paulus, MD**

### **PRESENT TITLE AND AFFILIATION**

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

Laureate Institute for Brain Research

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

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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

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#### **Professor of Neuroscience**

Oxley College of Health and Natural Sciences, 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 2025

Oklahoma 30434, valid until April 2025

### **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
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	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  
Journal of Mood and Anxiety Disorders

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, NIDA  
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 & 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

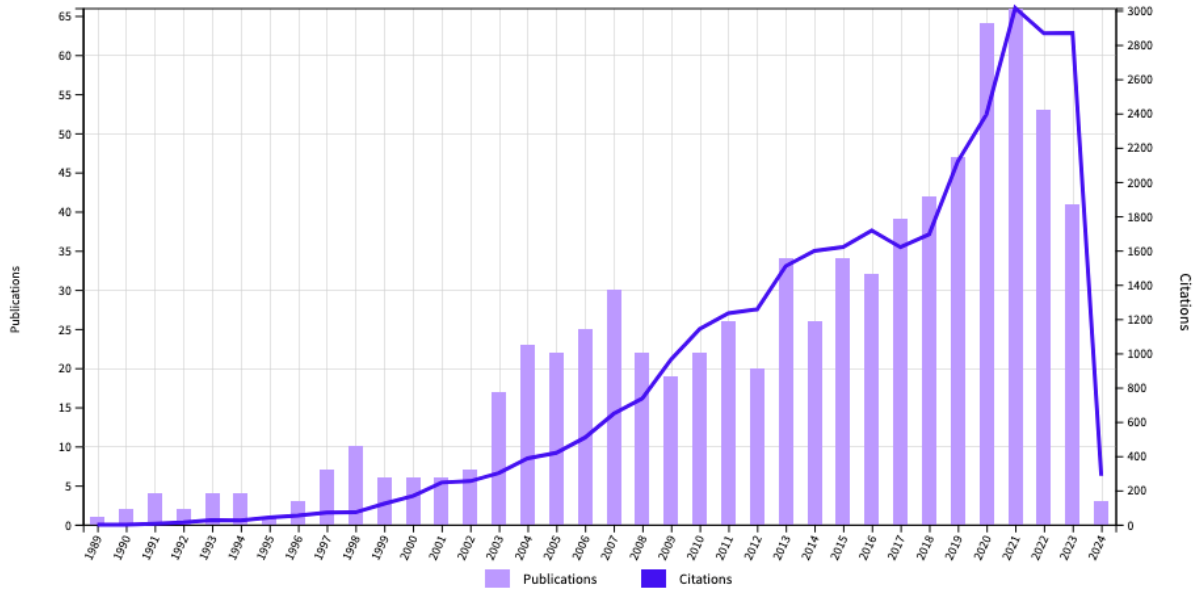
- 2013 Scientific review group member, Special Emphasis Panel 2014/01 ZMH1 ERB-S, NIH
- 2013 Scientific review group member, Special Emphasis Panel 2014/01 ITVA S, NIH
- 2015 Special Emphasis Panel member, RFA Dimensional Approaches to Research Classification in Psychiatric Disorders, NIMH
- 2015 Review 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
- 2016-2022 Adhoc reviewer, Center for Scientific Review, MHBA Study Section, NIH
- 2018-2024 Member, Board of Scientific Counselors, NIMH

**Web of Science (02/29/2024):**

<b>Publications</b> <b>770</b> Total From 1989 to 2024	<b>Citing Articles</b> <b>23,699</b> Analyze Total <b>23,280</b> Analyze Without self-citations	<b>Times Cited</b> <b>31,999</b> Total <b>30,295</b> Without self-citations	<b>41.56</b> Average per item	<b>92</b> H-index
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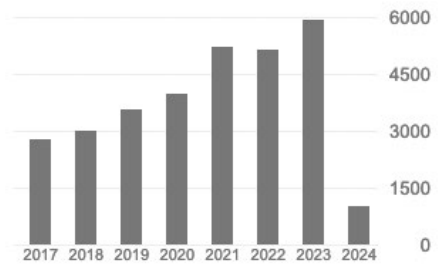
Times Cited and Publications Over Time

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**Google Scholar (02/29/2024):**

Cited by	<a href="#">VIEW ALL</a>	
	All	Since 2019
Citations	55581	25022
h-index	119	80
i10-index	427	371



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 700 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 has served on numerous NIH and International Study Sections. Dr. Paulus has a Google Scholar h-index of 119 and has published over 700 peer-reviewed manuscripts. Dr. **Paulus** is the Deputy Editor of *JAMA Psychiatry*, a Series Editor for Current Topics in Behavioral Neuroscience, and is on several editorial boards of top-tier psychiatric journals. He

has a Google Scholar h-index of 119 and has published over 700 peer-reviewed manuscripts. Dr. **Paulus** is the Deputy Editor of *JAMA 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 current focus of Dr. Paulus and LIBR is to explore the underlying neural mechanisms of conditions like anxiety, depression, and substance use disorders across diverse populations. Leveraging neuroimaging and neuroscientific methods, LIBR seeks to uncover the intricate neurobiology involved, validating, and enhancing clinical assessments and prediction tools. There is also a concerted effort to develop innovative non-invasive treatments and interventions and identify disease-modifying processes (DMPs) that could affect the risk, severity, or recurrence of mental health conditions. Dr. Paulus' research aims to develop transdiagnostic interventions that improve patient outcomes, providing pragmatic utility and refining the understanding of causal relationships in mental health.

Dr. Martin P. Paulus' **areas of expertise** can be broadly categorized into the following domains:

1. **Anxiety Disorders:** Dr. Paulus has conducted extensive research on the neurobiology of anxiety, specifically focusing on the role of the insula and amygdala in anxiety-prone individuals.
2. **Depression and Major Depressive Disorder (MDD):** His work on depression includes examining the long-term course, psychosocial disability, and predictors of relapse in unipolar MDD. He has also contributed significantly to understanding subsyndromal symptomatic depression (SSD) and its clinical significance in MDD.
3. **Anorexia Nervosa:** Dr. Paulus has investigated the neurocircuit function and symptoms of anorexia nervosa, shedding light on the underlying neurobiology of this complex disorder.
4. **Addiction:** His research on addiction has delved into the neurocircuitry of impaired insight in drug addiction and the neural activation patterns during decision-making that can predict relapse in methamphetamine-dependent subjects.
5. **Decision-making and impulsivity:** Dr. Paulus has explored the neurobiology of decision-making and its relationship with impulsivity, time perception, harm avoidance, and neuroticism.
6. **Interoception and mental health:** He has examined the role of interoception, or the perception of the internal state of the body, in anxiety and depression, and its implications for mental health.
7. **Physical exercise and mental health:** Dr. Paulus has contributed to large-scale studies investigating the association between physical exercise and mental health in the general population.
8. **Neurocognitive and clinical perspectives in psychiatry:** His work also encompasses a broader scope of neurocognitive and clinical research in psychiatry, aiming to better understand and treat various mental health disorders.

Dr. Paulus' areas of expertise reflect a multidisciplinary approach to understanding and addressing mental health disorders, with a strong emphasis on the neurobiological underpinnings of these conditions.

**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.







<b>Faculty/Postdoctoral Fellows</b>	<b>Research Topic</b>	<b>Supervision</b>	<b>Funding Support or Current Position</b>
<b>Scott Matthews, MD</b> 	The use of fMRI to characterize the neural correlates of emotional, behavioral and autonomic control	7/2003-6/2014	Staff Psychiatrist, VA San Diego Healthcare System Aspire Center
<b>Alan Simmons, PhD</b> 	Neural system dysfunctions in combat veterans returning from Iraq and Afghanistan	7/2003-7/2014	Associate Professor, UCSD
<b>Tony Yang, MD, PhD</b> 	Neural systems dysfunction in adolescent depression	7/2004-6/2012	Associate Professor, UCSF

<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>Pharmaco-fMRI: 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>

<b>Sarah Wu</b> 	Genetics and neuroimaging in anxiety	1/2009-7/2009	Graduate Student Researcher, University of Colorado, Denver
<b>Jennifer Stewart, PhD</b> 	Decision-making and stimulant use	2/2010-7/2014	Assistant Professor, Queens College, New York
<b>Colm Connolly, PhD</b> 	Risk-taking and methamphetamine dependence	1/2010-6/2012	Associate Specialist, UCSF
<b>Tali Ball, PhD</b> 	Neural processing underlying anxiety disorders	7/2009-7/2014	Postdoctoral Research Fellow, Stanford University
<b>Robin Aupperle, PhD</b> 	Approach-avoidance conflict in anxiety disorders	7/2009-7/2011	Assistant Professor, Laureate Institute for Brain Research and University of Tulsa
<b>Charlie Taylor, PhD</b> 	Neural basis of computerized attention training	7/2011-12/2012	Assistant Adjunct Professor, UCSD

<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 M. Harle, PhD</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 Hase, 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>Assistant Adjunct Professor, Department of Psychiatry, UCSD</p>
<p><b>Hamed Ekhtiari, MD, PhD</b></p> 	<p>Precision addiction medicine</p>	<p>11/2015-present</p>	<p>Assistant Professor, University of Minnesota, Department of Psychiatry</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>Principal scientist at Bristol Myers Squibb</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>08/2018-4/2022</p>	<p>Research Psychologist</p>
<p><b>Philip Spechler, PhD</b></p> 	<p>Brain systems underlying cannabis and mood disorders</p>	<p>07/2019-10/2022</p>	<p>Data Scientist, Wave Neuro</p>
<p><b>Leandra Figueroa-Hall, PhD</b></p> 	<p>TLR4 and exosomal pathways in depression</p>	<p>07/2019-present</p>	<p>Associate Investigator, LIBR</p>
<p><b>Haixia Zheng, PhD</b></p> 	<p>Gray and white matter abnormalities associated with inflammation in depression.</p>	<p>07/2019-present</p>	<p>Associate Investigator, LIBR</p>

<b>Hyejin Shim, PhD</b> 	Item response theory approach to repetitive negative thinking in mood and anxiety disorders	07/2022-01/2024	Project Scientist, University of Missouri
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## PUBLICATIONS

### ***Peer-Reviewed Publications:***

1. Paulus MP, Gass SF, Mandell AJ. A Realistic, Minimal Middle Layer for Neural Networks. *Physica D*. Dec 1989;40(2):135-155. NOT IN FILE. doi:Doi 10.1016/0167-2789(89)90059-6
2. Paulus MP, Geyer MA, Gold LH, Mandell AJ. Application of entropy measures derived from the ergodic theory of dynamical systems to rat locomotor behavior. *Proc Natl Acad Sci U S A*. Jan 1990;87(2):723-7. NOT IN FILE. doi:10.1073/pnas.87.2.723 PMID: PMC53338
3. Paulus MP, Geyer MA. A scaling approach to find order parameters quantifying the effects of dopaminergic agents on unconditioned motor activity in rats. *Prog Neuropsychopharmacol Biol Psychiatry*. 1991;15(6):903-19. NOT IN FILE. doi:10.1016/0278-5846(91)90018-v
4. Paulus MP, Geyer MA. A temporal and spatial scaling hypothesis for the behavioral effects of psychostimulants. *Psychopharmacology (Berl)*. 1991;104(1):6-16. NOT IN FILE. doi:10.1007/BF02244547
5. Paulus MP, Geyer MA, Mandell AJ. Statistical mechanics of a neurobiological dynamical system: the spectrum of local entropies ( $S(\alpha)$ ) applied to cocaine-perturbed behavior. *Physica A*. 1991;vol.174(no.2-3):567-577. NOT IN FILE.
6. Geyer MA, Paulus MP. Multivariate and nonlinear approaches to characterizing drug effects on the locomotor and investigatory behavior of rats. *NIDA Res Monogr*. 1992;124:203-35. NOT IN FILE.
7. Paulus MP, Geyer MA. The effects of MDMA and other methylenedioxy-substituted phenylalkylamines on the structure of rat locomotor activity. *Neuropsychopharmacology*. Aug 1992;7(1):15-31. NOT IN FILE.
8. Weiss F, Paulus MP, Lorang MT, Koob GF. Increases in extracellular dopamine in the nucleus accumbens by cocaine are inversely related to basal levels: effects of acute and repeated administration. *J Neurosci*. Nov 1992;12(11):4372-80. NOT IN FILE. doi:10.1523/JNEUROSCI.12-11-04372.1992 PMID: PMC6576001
9. Paulus MP, Callaway CW, Geyer MA. Quantitative assessment of the microstructure of rat behavior: II. Distinctive effects of dopamine releasers and uptake inhibitors. *Psychopharmacology (Berl)*. 1993;113(2):187-98. NOT IN FILE. doi:10.1007/BF02245696
10. Paulus MP, Geyer MA. Three independent factors characterize spontaneous rat motor activity. *Behav Brain Res*. Feb 26 1993;53(1-2):11-20. NOT IN FILE. doi:10.1016/s0166-4328(05)80262-1
11. Paulus MP, Geyer MA. Quantitative assessment of the microstructure of rat behavior: I,  $f(d)$ , the extension of the scaling hypothesis. *Psychopharmacology (Berl)*. 1993;113(2):177-86. NOT IN FILE. doi:10.1007/BF02245695
12. Paulus MP, Kadtko JB, Menkello FV. Statistical Mechanics of Biological and Other Complex Experimental Time Series: Assessing Geometrical and Dynamical Properties. *International Journal of Bifurcation and Chaos*. Jun 1993;3(3):717-727. NOT IN FILE. doi:10.1142/S0218127493000623
13. Judd LL, Rapaport MH, Paulus MP, Brown JL. Subsyndromal symptomatic depression: a new mood disorder? *J Clin Psychiatry*. Apr 1994;55 Suppl:18-28.

14. Keller DS, Bennett ME, McCrady BS, **Paulus** MD, Frankenstein W. Treating college substance abusers. The New Jersey Collegiate Substance Abuse Program. *J Subst Abuse Treat*. Nov-Dec 1994;11(6):569-81. doi:10.1016/0740-5472(94)90009-4
15. **Paulus** MP, Geyer MA, Braff DL. The assessment of sequential response organization in schizophrenic and control subjects. *Prog Neuropsychopharmacol Biol Psychiatry*. Nov 1994;18(7):1169-85. NOT IN FILE. doi:10.1016/0278-5846(94)90119-8
16. Weinger MB, Herndon OW, Zornow MH, **Paulus** MP, Gaba DM, Dallen LT. An objective methodology for task analysis and workload assessment in anesthesia providers. *Anesthesiology*. Jan 1994;80(1):77-92. NOT IN FILE. doi:10.1097/0000542-199401000-00015
17. Zisook S, Shuchter SR, Sledge PA, **Paulus** M, Judd LL. The spectrum of depressive phenomena after spousal bereavement. *J Clin Psychiatry*. Apr 1994;55 Suppl:29-36.
18. Bennett ME, McCrady BS, Keller DS, **Paulus** MD. An intensive program for collegiate substance abusers. Progress six months after treatment entry. *J Subst Abuse Treat*. May-Jun 1996;13(3):219-25. doi:10.1016/s0740-5472(96)00045-1
19. Judd LL, **Paulus** MP, Wells KB, Rapaport MH. Socioeconomic burden of subsyndromal depressive symptoms and major depression in a sample of the general population. *Am J Psychiatry*. Nov 1996;153(11):1411-7. doi:10.1176/ajp.153.11.1411
20. **Paulus** MP, Geyer MA. Assessing the organization of motor behavior: New approaches based on the behavior of complex physical systems. In: Ossenkopp KP, Kavaliers M, Sanberg PR, eds. *Measuring Movement and Locomotion: From Invertebrates to Humans*. R.G. Landes Co; 1996:273-295.
21. **Paulus** MP, Geyer MA, Braff DL. Use of methods from chaos theory to quantify a fundamental dysfunction in the behavioral organization of schizophrenic patients. *Am J Psychiatry*. May 1996;153(5):714-7. NOT IN FILE. doi:10.1176/ajp.153.5.714
22. **Paulus** MP, **Paulus** M, GSFMAJ. Models and predictability of biological systemsA realistic, minimal 'middle layer' for neural networks. In: Kravtsov YA, Kadtko JB, eds. *Models and predictability of biological systems*. Springer-Verlag; 1996:153-168. *Predictability of complex dynamical systems*.
23. Judd LL, Akiskal HS, **Paulus** MP. The role and clinical significance of subsyndromal depressive symptoms (SSD) in unipolar major depressive disorder. *J Affect Disord*. Aug 1997;45(1-2):5-17; discussion 17-8. doi:10.1016/s0165-0327(97)00055-4
24. **Paulus** MP. Long-range interactions in sequences of human behavior. *Physical Review E*. Mar 1997;55(3):3249-3256. NOT IN FILE. doi:DOI 10.1103/PhysRevE.55.3249
25. **Paulus** MP, Geyer MA. Environment and unconditioned motor behavior: Influences of drugs and environmental geometry on behavioral organization in rats. *Psychobiology*. Dec 1997;25(4):327-337. NOT IN FILE.
26. Zisook S, **Paulus** M, Shuchter SR, Judd LL. The many faces of depression following spousal bereavement. *J Affect Disord*. Aug 1997;45(1-2):85-94; discussion 94-5. doi:10.1016/s0165-0327(97)00062-1
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## **FUNDING HISTORY**

Dr. Paulus has received a total of **\$60,875,691**. of federal funding according to NIH Reporter.

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Curriculum Vitae: Research Projects  
Laureate Institute for Brain Research

- **Project 1: TBD**
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  - **Funding Agency:** NIGMS
  - **Duration:** July 2023 - June 2028
  - **Role:** Principal Investigator
  - **Funding Amount:** \$651,819
- **The Center for Neuroscience-based Mental Health Assessment and Prediction (NeuroMAP)**
  - **Funding Agency:** NIGMS
  - **Duration:** September 2017 - June 2028
  - **Role:** Lead Researcher
  - **Funding Amount:** \$2,512,335
- **15/21 ABCD-USA Consortium: Research Project Site at LIBR (Two entries)**
  - **Funding Agency:** NIDA
  - **Duration:** April 2020 - March 2027
  - **Role:** Principal Investigator
  - **Funding Amounts:** \$2,061,765 and \$2,163,438
- **Administrative Core (Multiple entries)**
  - **Funding Agency:** NIGMS
  - **Various Durations**
  - **Role:** Principal Investigator
  - **Funding Amounts:** \$648,773; \$703,184; \$544,853; \$559,325; \$548,220
- **The Center for Neuroscience-based Mental Health Assessment and Prediction (NEUROMAP) (Multiple entries)**

- **Funding Agency:** NIGMS
- **Various Durations**
- **Role:** Principal Investigator
- **Funding Amounts:** \$2,647,840; \$2,508,642; \$2,270,739; \$3,047,085; \$2,397,841

University of California, San Diego

- **Target Engagement and Clinical Symptom Change with a FAAH Inhibitor for Posttraumatic Stress Disorder**
  - **Funding Agency:** NIMH
  - **Duration:** September 2022 - December 2022
  - **Role:** Co-Investigator
  - **Funding Amount:** \$1
- **ABCD-USA Consortium: Research Project (Multiple entries)**
  - **Funding Agency:** NIDA
  - **Various Durations**
  - **Role:** Co-Investigator
  - **Funding Amounts:** \$119,406; \$135,163; \$140,799; \$390,798; \$3,323,000; \$10,000; \$1,000,000 (multiple entries); \$8,467; \$119,343; \$990,000; \$1,862,973; \$249,952
- **Latent Constructs: Negative-Positive Valence Domains in Anxiety and Depression (Multiple entries)**
  - **Funding Agency:** NIMH
  - **Various Durations**
  - **Role:** Co-Investigator
  - **Funding Amounts:** \$455,316; \$461,628; \$471,880; \$466,589

VA San Diego Healthcare System

- **Does amphetamine use impair brain systems in OEF/OIF veterans with PTSD? (Multiple entries)**
  - **Funding Agency:** VA
  - **Duration:** October 2011 - September 2015
  - **Role:** Collaborator
  - **Funding Amount:** Not specified

Additional Projects at University of California, San Diego

- **Negative reinforcement and interoceptive dysfunction in stimulant dependence (Multiple entries)**
  - **Funding Agency:** NIDA
  - **Various Durations**
  - **Role:** Principal Investigator
  - **Funding Amounts:** \$320,472; \$333,825 (multiple entries)
- **Fellowship on Biological Psychiatry and Neuroscience (Multiple entries)**
  - **Funding Agency:** NIMH
  - **Duration:** July 1986 - June 2016
  - **Role:** Mentor/Principal Investigator
  - **Funding Amounts:** \$319,306; \$303,165; \$314,252; \$288,786
- **Interoceptive Dysregulation in Amphetamine Dependent Individuals**
  - **Funding Agency:** NIDA
  - **Duration:** March 2010 - February 2015
  - **Role:** Principal Investigator
  - **Funding Amounts:** \$101,117; \$119,626; \$123,376; \$153,095
- **Center on Interoceptive Dysregulation in Addiction (CIDIA) (Multiple entries)**
  - **Funding Agency:** NIDA
  - **Duration:** March 2010 - February 2015
  - **Role:** Director
  - **Funding Amounts:** \$1,321,237; \$853,338; \$884,598; \$920,933