LEANNE WILLIAMS, PhD
Psychiatry and Behavioral Sciences, Stanford School of Medicine
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VA Palo Alto, Sierra-Pacific (VISN21) MIRECC

EDUCATION

1987	BA, Clinical Psychology University of Queensland, Australia
1990	BA, Psychology Honors year (Class I) University of New England, Australia
1996	PhD, Cognitive Neuroscience, conferred by University of New England PhD undertaken at Oxford University, on a British Council scholarship. Dissertation title: "The construct of schizophrenia: A continuum perspective"

ACADEMIC APPOINTMENTS

Jun 9, 2022 - present	Vincent V.C. Woo Professor, Psychiatry and Behavioral Sciences and, by courtesy, Psychology, Stanford University
May 2013 - Jun 2022	Professor, Psychiatry and Behavioral Sciences, Stanford University School of Medicine and, by courtesy, Psychology, Stanford School of Humanities and Sciences
Feb 2013 - Apr 2013	Acting Professor, Psychiatry and Behavioral Sciences Stanford University School of Medicine
Aug 2012 - present	Director of Precision Medicine Core, Sierra-Pacific (VISN21) Mental Illness Research Education and Clinical Center (MIRECC), Veterans Administration, Palo Alto
Aug 2012 - present	Director of Education, Sierra-Pacific (VISN21) MIRECC, Veterans Administration, Palo Alto
Apr 2011 - Jan 2013	Visiting Professor, Psychiatry and Behavioral Sciences Stanford University School of Medicine
Jan 2007 - Jan 2013	Foundation Professor of Cognitive Neuropsychiatry University of Sydney Medical School, Sydney, Australia
Sep 2004 - Dec 2006	Associate Professor (by Dean's appointment) (tenured) University of Sydney Medical School, Sydney, Australia
Jan 2002 - Sep 2004	Associate Professor, Psychology (tenured) University of Sydney, Sydney, Australia
Sep 1999 - Dec 2001	Senior Lecturer, Psychology (tenured) University of Sydney, Sydney, Australia
Jan 1998 - Sep 1999	Senior Lecturer, Psychology (contract) University of New England, Armidale, Australia
Jun 1998 - Dec 1998	Visiting Senior Lecturer Institute of Psychiatry, London UK

RESEARCH LEADERSHIP

Sep 2018 - present	Associate Chair, Translational Neuroscience, Department of Psychiatry and Behavioral Neurosciences, Stanford University School of Medicine
Mar 2018 - present	Founding Director of the Stanford Center for Precision Mental Health and Wellness (PMHW)
Sep 2016 - Aug 2018	Associate Chair, Research Strategy, Department of Psychiatry and Behavioral Neurosciences, Stanford University School of Medicine
Sep 2015 - Aug 2018	Chair of Steering Committee for the Major Laboratories and Clinical Translational Neurosciences Incubator, Department of Psychiatry and Behavioral Neurosciences, Stanford University School of Medicine
Feb 2013 - present	Director, Personalized and Translational Neuroscience Laboratory (PanLab), Department of Psychiatry and Behavioral Neurosciences, Stanford University School of Medicine
Jan 2002 - Feb 2013	Director, Brain Dynamics Center Westmead Millennium Institute for Medical Research and University of Sydney Medical School

INTERNATIONAL LEADERSHIP & SCIENTIFIC COMMISSIONS

2026 - present	Convening Commissioner, Precision Mental Health Commission (*Nature Mental Health* international task force)

LEADERSHIP IN PROFESSIONAL SOCIETIES

June 2023 – June 2026	Councilor-at-Large, Society of Biological Psychiatry
2021	Program Committee Chair, Society of Biological Psychiatry

LEADERSHIP IN PARTNERSHIPS

Dec 2021 – present	As Director of the Stanford Center for Precision Mental Health and Wellness (PMHW), I established the first industry affiliates program in psychiatry, focused on the themes of precision therapeutics and precision mental health in the workplace.

UNIVERSITY LEADERSHIP ACADEMY

2016 - 2017	Selected for the intensive Stanford School of Medicine Leadership Academy. 18-month program with 14 fellow faculty. Completed a special initiative project, executive coaching, monthly leadership workshops and bi-annual School of Medicine retreats.

HONORS AND AWARDS

2026	The Gold Medal Award of the Society of Biological Psychiatry (SOBP)
2025	The Perry Award (In memory of Samuel Wesley Perry III, MD), Weill Cornell Medicine
2023	Educator Award of the Society of Biological Psychiatry (SOBP)
2023	Chairman's Senior Faculty Mentor Award, Stanford School of Medicine
2022	George Thompson Award of the Society of Biological Psychiatry (SOBP) to the SOBP Women's Leadership Group
2022/23/24/25	Best Female Scientist Award, for research.com world ranking in top 1,000 of all female scientist across disciplines based on impact factor

2016	Chairman's Award for Advanced Contributions to Science, Stanford School of Medicine
2012	Ernst Strüngmann Award: “Schizophrenia evolution and synthesis”
2008	Presidential Award, US Society for Psychosomatic Medicine
2005	Pfizer Foundation Senior Research Fellowship ($1M, internationally competitive award for “high-risk/high-reward” biomedical research; 1 or 2 awarded nationally per year)
2003	Australian Museum Eureka Prize for Science Prize
2001	Young Investigator Award, International Schizophrenia Congress
2000	Senior Scientist Award for 10th Biennial Winter Workshop on Schizophrenia
1998	Wellcome Trust-Ramaciotti Research Award for advanced study, London Institute of Psychiatry
1991	British Council Postgraduate scholarship Award for PhD study at Oxford University, UK
1990	Australian Postgraduate Research Award, a federal scholarship awarded to Honors program graduates who are ranked nationally in the top 1% of applicants for graduate study
1989	Australian Psychological Society (APS) Prize for the most outstanding Honors year research dissertation. "Honors" is a 1-year post-bachelor’s degree program comprising 60% independent research. The prize is awarded as equivalent to summa cum laude.

EDUCATIONAL DISSEMINATION

As Director of PTSD Education and Dissemination, MIRECC:

Feb 9, 2022	VISN 21 MIRECC presentation titled “Precision Medicine for Mental Disorders”
Nov 4, 2021	VA MIRECC webinar “Implementation Science and Precision Approaches in Mental Health”, disseminated to VA and Stanford trainees and clinicians
Sep 17, 2020	VISN 21 MIRECC External Advisory Panel presentation “Precision Medicine and Clinical Translational Activities”
Aug 27, 2020	VA MIRECC webinar “Managing Dementia Risk Factors During a Pandemic: Challenges and Opportunities for Research”
Feb 27, 2020	VA MIRECC webinar “Using neurocognitive tools to identify and modulate treatment targets in PTSD, anxiety, and related disorders” – with guest speaker Dr. Jessica Bomyea, VA San Diego Center of Excellence for Stress and Mental Health, supported by the Stanford Center for Precision Mental Health and Wellness
Dec 2015	VA MIRECC webinar “PTSD Updates” – disseminated to VA and to Stanford trainees and clinicians
Nov 2014	VA MIRECC webinar “PTSD Updates” – disseminated to VA and to Stanford trainees and clinicians

TEACHING AND MENTORING

Postdoctoral Teaching, MIRECC

May 1, 2024	MIRT Fellowship VTEL - Self-promotion and networking in academic medicine: Barriers, incentives, and strategies
May 17, 2023	MIRT Fellowship VTEL - Precision Neuroscience Approach to Psychiatry Research
Nov 4, 2021	(National) VA CE/CME-accredited webinar: “Precision Medicine and Implementation Science in Mental Health”
Jun 16, 2021	(National) VA Advanced Fellowship program in Mental Illness Research and Treatment (MIRT) V-TEL presentation: “The NIH RDoC Approach”

Jun 17, 2020	(National) VA Advanced Fellowship program in MIRECC V-TEL presentation: "The NIH RDoC Approach"
Jun 19, 2019	(National) VA Advanced Fellowship program in MIRECC V-TEL presentation: "NIH Research Domain Criteria"
May 2015	MIRECC educational presentation: "New Directions in Education: Research Domain Criteria, RDoC"
Jan 2015	Geriatric Psychiatry Fellowship program, individual guest lecture, as part of the fellowship program, on "Personalized Neuroscience approaches to cognitive and emotional function across the lifespan"
Jun 2014	(National) VA MIRECC Fellowship Program. Guest lecture - "Rapidly Translating Biomarkers into Mental Health Clinical Practice"

Postdoctoral Teaching, Stanford University

Jun 2023	Didactic presentation to neuropsychiatry fellows: "Precision Mental Health" (June 26)
Apr 2022	Didactic presentation to T32 training fellows in Adult Psychiatry: "Cross-cutting research themes: Environment, comorbidities, translation and computation" (April 4)
Mar 2019	Didactic presentation to T32 training fellows in Adult Psychiatry: "RDoC and Precision Psychiatry: Developing a brain-based taxonomy for mental disorder" (March 14)
Aug 2016	Guest mentor to lead a discussion on "Career development and professional topics" for the child psychiatry (Reiss) T32 fellowship program
Jan 2016	Didactic presentation to T32 training fellows in Adult Psychiatry: "RDoC and Precision Psychiatry: Developing a brain-based taxonomy for mental disorder"

Resident Fellow Teaching

2024	Co-course director: "Neuroscience-informed precision psychiatry", 10-week course, winter quarter
2023	Co-course director: "Neuroscience-informed precision psychiatry", 10-week course, winter quarter
2022	Co-course director: "Neuroscience-informed precision psychiatry", 10-week course, winter quarter
2021	Co-course director: "Neuroscience-informed precision psychiatry", lecturer for the course on March 7 and 21
2017 - 2020	Precision Psychiatry Weekly Seminar and Case conference series, Residency Training Program with PGY3 residents, Department of Psychiatry & Behavioral Sciences, Stanford University
2019	PGY4 Residents. "Neuroscience-informed precision psychiatry" (March 7 and 21)
2018	Didactic presentations on neuroscience-informed precision psychiatry to PGY4 Neuropsychiatry Fellows (October 8 and 22)
2017 (weekly)	Weekly case series and neuroscience-informed precision psychiatry teaching sessions for residents in Psychiatry Continuity Clinic

Career Development Educational Activities

Nov 2025	SURGE-C: Starting Up Your Research Group – Clinical, lecture in the session "Scoping/choosing good projects/opportunities"
Feb 2023	SURGE: Starting Up Your Research Group, lecture in the session 'The Research Enterprise: Collaborations, Building Visibility and Tips for Success', Stanford
Apr 2019-2020	RDoC "Bootcamp" for Psychiatry Career Development Institute, Stanford University
Aug 2017	K-to-R program (PI, Hong): "Transition from K to R-series research"
Mar 2015	RDoC "Bootcamp" for Psychiatry Career Development Institute, Stanford University
Dec 2014	"NIMH Research Domain Criteria (RDoC) Bootcamp" for faculty and trainees, Stanford Department of Psychiatry and Behavioral Sciences

Graduate Teaching, Stanford University

2021	Neuroscience Program First-Year Student Faculty Talk (December 1)
2021 - 2022	Academic Advisor for Luke Pistol, Neuroscience master's Student, Independent Studies, NEPR 399 Graduate Research
2020	NeuroTech Training Seminar (November 11)
2020	Neuroscience Program First-Year Student Faculty Talk (October 14)

Undergraduate Teaching, Stanford University

2020 - 2022	Academic Advisor for Funmi Solano, Biomedical Computation (BMC) program
2019 - 2020	AI for Healthcare bootcamp run by Stanford Machine Learning. Four of the mentored students collaborated on a publication in JAMA Network: Rajpurkar P, Yang J, Dass N, Vale V, et al (2020). Evaluation of a Machine Learning Model Based on Pretreatment Symptoms and Electroencephalographic Features to Predict Outcomes of Antidepressant Treatment in Adults With Depression – A Prespecified Secondary Analysis of a Randomized Clinical Trial. JAMA Network Open, 3(6):e206653. PMID: 32568399 PMCID: PMC7309440 doi:10.1001/jamanetworkopen.2020.6653

Courses and Lectures

Feb 11, 2026	PSYCH 234: Topics in Depression
Feb 19, 2025	ANES 215: Guest Lecture on fMRI technology for 2025 Winter Med Scholars Course
Feb 1, 2024	PSYCH 234: Topics in Depression
Feb 14, 2023	PSYCH 234: Topics in Depression
Feb 9, 2022	PSYCH 234: Topics in Depression
Apr 1, 2020	Teaching for Stanford School of Medicine (organized by Rania Sanford) "Navigating team science: Do's and don'ts of interdisciplinary work", virtual class in collaboration with Ravi Majeti, PhD
Fall 2019	PSYC 290: Teaching in Psychiatry
Oct 28, 2019	PSYCH 234: Understanding Depression
May 9, 2019	PSYCH 234: Topics in Depression
Nov 2015	PSYC 250: Methodology of Research in Behavioral Sciences Guest panelist, "Big Data and Psychiatric Research: Limitations and Benefits"

Fall 2015	PSYC 299. Advisor for graduate neuroscience student who completed an independent reading project which has led to a published review in Journal of Neuroscience Research.
Nov 2014	PSYC 250: Methodology of Research in Behavioral Sciences Guest lecture, "NIMH Research Domain Criteria (RDoC)"
May 2014	Didactic I: "Introduction to Human Neuroscience and its Relevance to Clinical Psychology (Part 1) and Didactic II: "Human Neuroscience and the Transdiagnostic Approach to Treating Emotional Disorders (Part 2) to PsyD/PhD students at Palo Alto University and Gronowski Center
2013 - 2015	PSYC199 (Independent Study). Advisor for an undergraduate medical student who completed four quarters of independent study and has subsequently matriculated (winter)
2005 - 2012	Coordinated and taught courses in neuroscience to medical students in the graduate medicine program, Years 2 and 3 in semester 2 (equivalent to two quarters), University of Sydney Medical School
2003 - 2005	Developed and coordinated the Cognitive Neuroscience and Neuropsychology Unit. This was a new course that I established. I designed the curriculum, course content, assignments, examination and accompanying practicums. The unit was one semester (two quarters) in total. I coordinated the course and taught 18 lectures per semester for the Year 3 undergraduate Psychology students enrolled in this course (250 students).
2000 - 2002	Lecture and tutorial teaching on the Behavioral Neuroscience Unit, PSYC3024. The unit was one semester (two quarters) in total. I developed the content of the lecture series. I taught a total of 8 lectures and 12 tutorials per semester for Year 3 undergraduate Psychology students (300 students).
2000 - 2002	Lecture and tutorial teaching on the Perception, Learning and Neuroscience Unit, PSYC2111. The unit was one semester (two quarters) in total. I developed the content of the lecture series and an accompanying tutorial program that was interactive and web-based. I taught a total of 12 lectures and 12 tutorials per semester for Year 2 undergraduate Psychology students (500 students).
1999 - 2004	Taught a 4-lecture module within the Introductory Psychology course, for Year 1 undergraduate Psychology students (1600 students).
1994 - 1998	Coordinator for the undergraduate Psychology unit "Psychological Assessment". Taught one full semester (equivalent to two quarters) per year. In addition, I coordinated and taught a parallel unit by distance, that comprised two 1-week intensive on-campus sessions supported by email and telephone communication with individual students.

Dissertation and Defense Committees

2024	Member of the Assessment committee for PhD Candidate Helena Voetterl, Maastricht University (defense 06/25/24)
2022 - 2025	Co-advisor for Paula Andrea Munoz Rodriguez, Neuroscience PhD Student (defense 08/11/2025)
2022 - 2023	Member of the dissertation committee for Biophysics PhD Candidate Caleb Geniesse (defense 02/23/23)
2022 - 2023	Member of the dissertation committee for Psychology PhD candidate Minyoung Lee (defense 03/03/2023)
2022	Chair of the graduate student defense committee for Elena Tuzhilina in Statistics (defense 05/19/2022)
2021	Chair of the graduate student defense committee for Jaclyn S. Kirshenbaum in Psychology (defense 08/19/2021)

2021 - 2022	Reader on the dissertation committee for Department of Psychology PhD candidate Lauren Borchers (defense 08/29/2022)
2021 - 2022	Member of the dissertation thesis committee for Neurosciences PhD candidate Corey Fernandez (defense 04/22/2022)
2020 - 2023	Co-advisor for Olamide Abiose, Neuroscience PhD Student (defense 09/28/2023)
2020	Oral Examination University Chair for Pranav Samir Rajpurkar in Computer Science (defense 05/20/2020)
2020	Chair of the graduate student defense committee for Sam Vesuna in Bioengineering (defense 04/27/2020)
2019	Chair of the graduate student defense committee for Ian Eisenberg in Psychology (defense 08/02/2019)
2019	Member of the dissertation committee for graduate student in the Clinical Psychology Program, Palo Alto University (defense 05/06/2019)
2018	Mentor for rotation for graduate student in the Neurosciences Program, Stanford University, LeeAnn Perry
2018 - 2021	Member of the dissertation committee and doctoral dissertation advisor for Akua Nimarko in the Neurosciences Program, Stanford University (defense 05/10/2021)
2017 - 2021	Doctoral dissertation advisor for Arielle Keller in the Neurosciences Program, Stanford University (defense 06/04/2021)
2016	Chair of the graduate student defense committee for Matthew Sacchet in Neuroscience (defense 05/08/2016)

Research Mentoring

Summary

At Stanford, I have mentored 23 postdoctoral fellows, eight of whom are MD or MD/PhD and eight of whom have already obtained junior faculty level positions. During my previous position on faculty at the University of Sydney, I mentored 11 postdoctoral fellows. In addition, I have supervised 34 graduate (PhD) students (30 funded by federal government scholarships awarded to the top 1% of applicants ranked nationally), 4 Doctor of Clinical Psychology (DPsych) and 26 research Honors (equivalent to a Master's dissertation) students. In Australia, there are relatively fewer available postdoctoral fellowships compared to graduate awards. Sixteen of my University of Sydney mentees are now on faculty, including one Department Chair, nine as full Professor, five as tenured Associated Professor, and one as Assistant Professor/Senior Lecturer.

My PhD students have won 43 prizes, which include best PhD thesis (University of Sydney) for consecutive years during the period I supervised Sydney students. A summary of my primary mentoring roles is provided in the table below.

During tenure at Stanford

Postdoctoral Fellows	Year(s)	My Mentoring Role	Type of Fellowship	Career Awards	Other Awards	Current Status or Position
Liangfang Li, PhD	07/2025-present	Primary Mentor	Postdoctoral Fellow			Commenced 07/01/25
Ellie Beam, MD, PhD	07/2025-present	Primary Mentor	T32 Fellow			Commenced 07/01/25
Jeesung Ahn, PhD	11/2024-present	Primary Mentor	Postdoctoral Fellow		2026 ADAA Early Career Membership Scholarship	Commenced 11/18/24
Teddy Akiki, MD	7/2023-01/2025	Primary Mentor	Advanced MD Fellow in Mental Illness Research and Treatment, MIRECC		2025 SOBP Travel award	Commenced 7/17/23 Asst Professor, 01/2025
Cordelia Erickson-Davis, MD, PhD	4/2023-7/2025	Primary Mentor	T32 Fellow			Commenced 4/14/23 Clinical Asst Professor
Alisa Olmsted, MD	9/2022-10/2024	Primary mentor	Advanced MD Fellow in Mental Illness Research and Treatment, MIRECC			Commenced 9/14/22 Clinical Asst Prof (Affiliated)
Adam Pines, PhD	8/2022-2/2025	Primary mentor	Postdoctoral Fellow	The School of Medicine Dean's Postdoctoral Fellowship (07/2023-06/2024)	2025 SOBP Travel award	Commenced 8/16/22

Sarah Hagerty, PhD	9/2020-10/2022	Primary mentor	Advanced Postdoctoral Psychology Fellow, MIRECC at VA Palo Alto		CDI for Psychiatry, 01/22-12/23	Commenced 9/14/20 Program Specialist, Workforce Mental Health Lyra Health
Katherine Warthen, PhD	9/2020-5/2022	Primary mentor	Advanced Postdoctoral Data Science Fellow in Mental Illness Research and Treatment, MIRECC at VA Palo Alto			Commenced 9/28/20 Senior Scientist Alcyone Therapeutics Inc.
Xue Zhang, PhD	6/2020-4/2025	Primary mentor	Postdoctoral Fellow funded by ENGAGE UH2/UH3 NIH project		2022 SOBP Travel award 2025 Sammy Kuo Award in Neuroscience	Commenced 6/1/20 Academic Research Scientist, PanLab, 04/25
Joseph Wielgosz, PhD	9/2018-4/2020	Primary mentor	Advanced Postdoctoral Psychology Fellow in Mental Illness Research and Treatment, MIRECC at VA Palo Alto			Commenced 9/1/18 Health Science Specialist National Center for PTSD
Sahar Harati, PhD	9/2018-1/2021	Primary mentor	Postdoctoral Fellow			Commenced 9/1/18 Software/ML Engineer at Google
Christina Young, PhD	7/2018-1/2020	Primary mentor	Postdoctoral Fellow		New Vision Investigator Awardee, New Vision Research (2023)	Asst Professor, UC Davis
Laura Hack, MD, PhD	8/2018-1/2022	Primary mentor	Advanced MD/PhD MIRECC Fellow in Mental Illness Research and Treatment	NIH K23 08/13/21	Faculty Professional & Leadership Development Award FY2021 CDI for Psychiatry, 01/20-12/21	Commenced 8/6/18 Director, Stanford Translational Precision Mental Health Clinic; Asst Professor (commenced 4/1/22)
Leonardo Tozzi, MD, PhD	1/2018-12/2021	Primary mentor	MD/PhD Postdoctoral Fellow funded by U01 Human Connectome for Emotional Disorders Project		John E Fetzer Memorial Trust Fund: 'Meta-connectomes for neuro-science research'	Commenced 1/1/18 Director of Research & Data at Ceribell
Adina Fischer, MD, PhD	2017-19	Primary mentor	Research Track MD/PhD T32 Fellow	NIH K 23 July 2022		Assistant Professor, Stanford

Matthew Sacchet, PhD	9/2016-9/2018	Primary mentor	Postdoctoral Fellow funded in part by my NIH UH2 project	School of Medicine Dean's Fellowship 1/5/17		Associate Professor in Psychiatry, Harvard
Zoe Samara, PhD	2015-19	Primary mentor	Postdoctoral Fellow funded by my NIMH R01 in 2016		Stanford Neurosciences Institute inter-disciplinary scholar award 1/5/17	Product Innovation Manager, Roche
Erin Green, PhD	2015-16	Primary mentor	Advanced Postdoctoral Psychology Fellow in Mental Illness Research and Treatment, MIRECC at VA Palo Alto			Clinical Neuropsychologist at John Muir Health
Tali Ball, PhD	2015-18	Primary mentor	T32 Fellow, Adult Psychiatry	NIH K23 07/11/18	NARSAD early investigator award	Clinical Scientist, Big Health
John Leikauf, MD	2015-18	Primary mentor	T32 Fellow, Child Psychiatry	NIH K23 08/15/20		Appointed to Clinical Instructor in 09/17. Promoted to Clinical Asst Prof, 09/18 commensurate with T32. Promoted to Clinical Assoc Professor, 02/23
Claudia Padula, PhD	2015-16	Primary mentor	Advanced Postdoctoral Psychology Fellow in Mental Illness Research and Treatment, MIRECC at VA Palo Alto	VA Career Development Award, CDA-2, 10/01/16, completed 2022		Instructor (Affiliated), Stanford, commensurate with VA CDA Promoted to Asst Professor 2022
Andrea Goldstein-Piekarski, PhD	2014-17	Primary mentor	Postdoctoral Fellow funded by my NIMH R01	NIH F32 National Research Service Award F32MH108299		Appointed Faculty Instructor at Stanford & VA MIRECC, 03/2017. Promoted to Asst Professor 12/2018

Early Career Mentees	**Year(s)**	**My Mentoring Role**	**Type of Fellowship**	**Career Awards**	**Other Awards**	**Current Status or Position**
Donna Murray	2020-present	Co-mentor	VA, major mid-level career development award	VA Career Development Award, CDA-2		Instructor (Affi-liate) at Stanford commensurate with CDA-2
Tali Ball	2018-2021	Research mentor	T32 Fellow, Adult Psychiatry	NIH K23 07/11/18		Senior Research Manager, Big Health

John Leikauf	2018-present	Research mentor	T32 Fellow, Child Psychiatry	NIH K23 08/15/20		Clinical Associate Prof, Stanford, commensurate with K23
Claudia Padula	2017-2022	Research mentor	Advanced Postdoctoral Psychology Fellow in Mental Illness Research and Treatment, MIRECC at VA Palo Alto	VA Career Development Award, CDA-2 10/01/16		Asst Professor, Stanford Psychiatry & Behavioral Sciences, 09/2022 Research Health Science Specialist, MIRECC PAVA

Faculty and Clinical Educator mentees	**Year(s)**	**My Mentoring Role**	**Independent Funding**	**Other Awards**	**Current Status or Position**
Teddy Akiki, MD	2025-present	Faculty Mentor	NIH K23, 2026-present		Asst Professor, Artificial Intelligence Faculty Cluster
Weidong Cai, PhD	2023-present	Secondary Mentor			Clinical Associate Professor
John Hegarty, PhD	2023-2024	Faculty Mentor	NIH K99, 2020-25		Clinical Assistant Professor, Stanford
Andrea Goldstein-Piekarski, PhD	2018-2020	Faculty mentor	NIH R01, 2019-23 NIH R61/33, 2019-23		Assistant Professor, Stanford, commenced 03/2021
Laura Hack, MD, PhD	1/2022-present	Faculty mentor	NIH K23 08/13/21	2023 Alies Muskin Career Development Leadership Program (CDLP) Award from the ADAA 2023 Stanford Psychiatry and Behavioral Sciences Chairman's Award for Clinical Innovation and Service	Assistant Professor, Stanford (commenced 5/22/22) Director, Translational Precision Mental Health Clinic Director, Novel & Precision Neurotherapeutics, PMHW Deputy Director and Esketamine Lead, Precision Neuromodulation Clinic (PNC), VAPAHC

Graduate dissertation students (PhD)	**Year(s)**	**My Mentoring Role**	**Research Program**	**Awards**	**Current Status or Position**
Matthew Matrongolo	2023-24	First year advisor	Neuroscience PhD program		Commenced 9/2023
Jocelyn Ricard	2023-24	First year advisor	Neuroscience PhD program		Commenced 9/2023
Kyrus Mama	2022-23	First year advisor	Neuroscience PhD program		Commenced 9/2022
Blake Zhou	2022-23	First year advisor	Neuroscience PhD program		Commenced 9/2022
Divya Rajasekharan	2022-present	Primary advisor	PhD student, Mechanical Engineering, Institute for Computational and Mathematical Engineering	2023 NSF Graduate Research Fellowship 2023 Stanford Bio-X Bowes Graduate Student Fellowship 2024 Stanford Bio-X Travel Award	Commenced 8/2022

				2025 Stanford Bio-X Travel Award 2026 Graduate Research & Internship Program in Germany (GRIP) award	
Olamide Abiose	2021-23	Co-advisor	Neuroscience PhD student		Commenced 2021
Paula Andrea Munoz Rodriguez	2022-2024	Co-advisor	Neuroscience PhD student	2025 ACNP Travel Award 2026 ACNP Near-Peer Mentorship Program	PhD graduation 08/2025
Arielle Keller	2017-21	Primary advisor	PhD, Stanford Neurosciences program	NSF graduate fellowship, 2017-21; SOBP pre-doctoral travel award 2020; NIH T32 Fellowship, 2021-22; Flux Congress Travel Award 2022; ACNP Travel Award 2023	PhD graduation 06/2021, then postdoc at UPenn Assistant Professor at University of Connecticut
Akua Nimarko	2018-21	Advisor	PhD, Stanford Neurosciences program		PhD graduation 06/2021. Now at Boston Consulting Group.

Graduate dissertation Masters students	**Year(s)**	**My Mentoring Role**	**Research Program**	**Awards**	**Current Status or Position**
Luke Pistol	2021-present	Primary supervisor	Masters student, Neuroscience		
Research postbaccalaureate students	**Year(s)**	**My Mentoring Role**	**Area of research studentship**	**Awards**	**Current Status or Position**
Samantha Zenteno	2022-23	Primary advisor	Research scholar, Stanford Medicine Racial Equity to Advance a Community of Health (REACH) Postbaccalaureate Research Program		
Graduate rotation students (PhD)					
Gracie Grimsrud	2025	Supervisor	Fall quarter rotation, Neuroscience		
Sarah Izabel	2022-23	Supervisor	Fall/Winter quarter rotation, Neuroscience	2023 Stanford RAISE fellowship award	
Paula Andrea Munoz Rodriguez	2022	Supervisor	Spring quarter rotation, Neuroscience		
Emma Mae O'Connell	2022	Supervisor	Spring quarter rotation, Neuroscience		
Rennie Kendrick	2022	Supervisor	Spring quarter rotation, Neuroscience		
Divya Rajasekharan	2022	Supervisor	Summer quarter rotation, Mechanical Engineering, ICME		

Undergraduate rotation students (PhD)					
Evelyn Song	2023	Supervisor	Summer quarter rotation, Wu Tsai Human Performance Alliance Scholar		

Graduate Masters Researchship students	**Year(s)**	**My Mentoring Role**	**Area of research studentship**	**Awards**	**Current Status or Position**
Rishu Garg	2021	Co-supervisor	Research project on Computational approaches to quantifying the burden of depression		Masters student, Computational and Mathematical Engineering
Pranav Rajpurkar	2019-20	Primary mentor, defense committee	AI in Health Bootcamp, intensive PhD/Master's program		PhD graduation, 09/2020 Asst Prof, Harvard Medical School
Zach Taylor	2019	Primary mentor	Masters researchship student, Computer Science, Machine Learning		Data Scientist, Grand Rounds, Inc.
Scott Fleming	2017-18	Primary mentor	Masters researchship student, Biomedical Informatics		Commenced PhD in Computer Science in 09/2018

MedScholar Students	**Year(s)**	**My Mentoring Role**	**Research Program**	**Awards**	**Current Status or Position**
Chloe O'Connell	2016-17	Primary mentor	Medical scholar awardee		Medical Resident at Stanford
Honors research students	**Year(s)**	**My Mentoring Role**	**Research Program**	**Awards**	**Current Status or Position**
Funmi Solano	2021-22	Primary supervisor	Biomedical Computation, Stanford		Commenced 2021
Andrew Bueno	2018-19	Primary supervisor	Human Biology, Stanford		MD, Columbia Medical school'24 Internal Medicine, BIDMC

Research Coordinators	**Year(s)**	**My Mentoring Role**	**Position at Williams PanLab**	**Awards**	**Current Position (for former mentees)**
Claire Bertrand	2022-24	Mentor for preparing for grad school	CRC/Lab manager		PhD Student in Clinical Psychology, Northwestern
Jenna Jubeir	2022-24	Mentor for preparing for grad school	Research Data Analyst/Lab mgr.		PhD Student in Neuroscience Mt. Sinai
Nancy Gray	2021-23	Mentor for preparing for grad school	CRC/Lab manager		
Emily Zhai	2021-23	Mentor for preparing for grad school	CRC/Lab manager		MPhil student Medical Anthropology University of Oxford
Esther Anene	2020-22	Mentor for preparing for grad school	CRC/Lab manager		PhD Student Columbia Clinical Psychology

Bailey Holt-Gosselin	2017-20	Mentor for preparing for grad school	CRC/Lab manager	2022 SOBP Travel Award F31 NRSA grad fellowship, awarded in 2022	Yale Neuroscience PhD, 2025 T32 Postdoctoral Research Fellow, Harvard Medical School, Boston Children's Hospital
David Choi	7/2018-6/2019	Mentor for preparing for grad school	Neuroimaging Research Coordinator		UCLA Asian American Studies (MA) and Social Welfare (MSW), concurrent degree program as a fellow
Sarah Cheng	08/2017-06/2019	Mentor for preparing for grad school	Research Coordinator		UCLA Neuroscience PhD, 2024 Postdoctoral Research Fellow at UCSD
Serena Tally	05/2017-05/2019	Mentor for preparing for grad school	Research Coordinator		MD Candidate UC Irvine School of Medicine
Carlos Correa	09/2016-08/2018	Mentor for preparing for grad school	Research Data Engineer		Postdoctoral fellow NYU
Monica Kullar	2/2016-4/2018	Mentor for preparing for grad school	Neuroimaging Research Coordinator		Graduated PhD in Cognitive Psychology, Cambridge University, 05/2022 Senior User Experience Researcher, Amazon
Katherine Grisanzio	10/2015-6/2018	Mentor for preparing for grad school	Neuroscience Research Lab Manager		Postdoctoral fellow in Psychology Harvard
Brooke Staveland	2015-2018	Mentor for preparing for grad school	Intern; Research Coordinator/ Research Engineer		PhD candidate in Neuroscience, UC Berkeley, commenced 09/2019
Adam Pines	11/2015-4/2017	Mentor for preparing for grad school	Neuroimaging Research Coordinator	F31MH115709, 12/17/20	Graduated PhD in Neuroscience, 06/2022 at UPenn Postdoc at Williams PanLab starting 08/16/2022

During tenure at the University of Sydney

** Students who are MDs directing clinics and enrolled on a part-time basis in their PhD research program.*
*** Recipients of Career Development Awards funded by the Australian government equivalent to K/F awards*

Postdoctoral Fellows	Year(s)	My Mentoring Role	Type of Fellowship	Current Status or Position
Mayuresh Korgaonkar**	2009-13	Primary mentor	Senior Imaging Scientist	Succeeded me as Director, Brain Dynamics Center, Sydney Medical School. Faculty Professor, University of Sydney
Justine Gatt**	2005-13	Primary mentor	Postdoctoral Fellow in cognitive neuroscience funded by a fellowship attached to my Australian Research Council funding	Group Leader and Senior Research Scientist, NeuRA; Professor, School of Psychology, UNSW Sydney; Honorary Senior Research Fellow, Discipline of Psychiatry, University of Sydney
Pritha Das	2004-07	Primary mentor	Postdoctoral Research Fellow in brain imaging models of schizophrenia funded by Schizophrenia Research Institute (state funding agency)	Senior Research Fellow, Psychiatry, University of Sydney Medical School
Tom Whitford**	2007	Primary mentor	Postdoctoral research fellow funded by my Pfizer Fellowship	2008-11 Postdoctoral Research Fellow (K-award equivalent "CJ Martin Fellowship" from National Health & Medical Research Council, NHMRC), for joint research at Harvard Medical School (with Bob McCarley) and University of Melbourne (with Pat McGorry) 2012-present: Professor at the University of NSW, School of Psychology, Sydney
Andrew Kemp**	2007-09	Primary mentor	Postdoctoral Research Fellow funded by "Peter Doherty Fellowship", National Health & Medical Research Council, NHMRC	Faculty Full Professor, Psychology, Swansea University, Wales, UK
Kim Felmingham**	2007-09	Primary mentor	Postdoctoral Research Fellow funded by "Clinical Training Fellowship", NHMRC	Chair in Clinical Psychology Faculty Full Professor, University of Melbourne
Michael Breakspear, MD	2004-05	Primary mentor	Postdoctoral Research Fellow funded by a fellowship attached to my Australian Research Council funding	Faculty Full Professor, Head of the Systems Neuroscience Group, University of Newcastle
Daniel Hermens	2006-07	Primary mentor	Postdoctoral Research Fellow funded by my Australian Research Council funding	Professor of Youth Mental Health & Neurobiology at the Thompson Institute
Tom Farrow	2002	Primary mentor	Postdoctoral Research Fellow funded by his own British Council award	Faculty Senior Lecturer University of Sheffield, UK

Belinda Liddell**	2006-07	Primary mentor	Postdoctoral Research Associate funded by my Australian Research Council funding	Full Professor, School of Psychological Sciences, UNSW, Sydney
Stacey Kuan	2005-07	Primary mentor	Postdoctoral Research Associate (funded by federal ARC grant)	Research Fellow, UNSW, Sydney (as of 2012)

Graduate students (PhD)	**Year(s)**	**My Mentoring Role**	**Position & Area of Research**	**Current Position (for former mentees)**
Annie Brennan	2012-17	Primary supervisor till 2014, then co-supervisor due to my move to Stanford	PhD (Brain imaging models of neural circuit disconnection in first onset schizophrenia)	Awarded 7/7/17
Anna Watters	2010-15	Primary supervisor	PhD (Neural markers of risk for depression)	Research Officer/Psychologist, NSW Service for the Treatment and Rehabilitation of Torture and Trauma Survivors (STARTTS). Commenced Postdoctoral fellowship at University of Pennsylvania 6/1/16
Jean Starling, MD*	2007-14	Primary supervisor	PhD (Clinical neuroscience of early onset schizophrenia)	Awarded 7/1/16 Child and Adolescent Psychiatrist at South Western Sydney LHN and Sydney LHN
Michael Kohn, MD*	2008-16	Primary supervisor	PhD Cognitive outcomes and non-stimulant treatment of ADHD	Awarded 4/27/16 Head of Department, Adolescent and Young Adult Medicine, Westmead Hospital, Sydney
Claire Day	2010-13	Primary supervisor	PhD (Brain-behavior markers of melancholic depression)	Awarded, 12/19/14 Project Manager - INC Research Miranda, New South Wales, Australia
Kasia Kozlowska, MD*	2007-12	Primary supervisor	PhD (Developing a cognitive neuroscience model of conversion disorder)	Associate Professor, University of Sydney Medical School & Child and Adolescent Psychiatrist at the Children's Hospital at Westmead, Sydney
Ainslie Hatch	2005-09	Primary supervisor	PhD/DClinPsych combined (Developing a cognitive neuroscience model of anorexia nervosa)	Head of Digital Health Research at Otsuka Pharmaceutical Companies (U.S.)
Donna Palmer	2005-09	Primary supervisor	PhD (Brain imaging and ERP markers of maturation of emotional brain circuits)	Chief Scientific Officer, Brain Resource Limited, Sydney and San Francisco, CA
Kristan Kang	2003-07	Primary supervisor	PhD (An EEG model of ADHD)	Senior Research Data Specialist (Health & Medical) at the Australian Research Data Commons (an NCRIS facility) in 2020 but retains an honorary appointment at UNSW
Tom Whitford	2003-07	Primary supervisor	PhD (Structural imaging to track trajectories in first onset schizophrenia)	Postdoctoral Research Fellow (details above)

Belinda Liddell	2002-06	Primary supervisor	PhD (Neuroimaging and electrophysiological profiles of nonconscious emotion processing)	Postdoctoral Research Fellow (details above)
Daniel Hermens	2002-06	Primary supervisor	PhD (Markers of ADHD and stimulant response)	Postdoctoral Research Fellow (details above)
Pamela Marsh	2001-05	Primary supervisor	PhD (Visual scanpaths as an objective marker of emotional dysfunctions in ADHD)	Research Fellow and Lecturer (equiv to Assistant Professor), Macquarie Centre for Cognitive Science, Macquarie University, Sydney
Carmel Loughland	1998-02	Primary supervisor	PhD (Visual scanpaths as an objective marker of emotional dysfunctions in Schizophrenia)	Faculty Associate Professor, School of Medicine and Public Health, University of Newcastle, Australia
Kwang-Hyuk Lee	1998-02	Primary supervisor	PhD (EEG Gamma synchrony in schizophrenia)	Faculty position, University of Sheffield, UK
Melissa Green**	1998-02	Primary supervisor	PhD (A cognitive neuroscience model of emotion biases in delusions)	Faculty Associate Professor, University of NSW, Sydney
Denise Chu	2009-14*	Associate supervisor	PhD (A cognitive neuroscience model of complex trauma)	Transferred to new advisor due to my move to Stanford
Sandra Graovac	2011-13	Associate supervisor	PhD (EEG Gamma synchrony in first onset schizophrenia)	Transferred to new advisor due to my move to Stanford
Karen Oakley	2011-13	Associate supervisor	PhD (Heritability of anxiety and depression)	Transferred to new advisor due to my move to Stanford
Donald Rowe	2000-04	Associate supervisor	PhD (Biophysical brain modeling)	Clinical Psychologist in private practice
Ilario Lazzaro	2000-04	Associate supervisor	PhD (ERP markers of attentional dysfunction in ADHD)	Clinical Psychologist in private practice
Kaye Horley	2000-04	Associate supervisor	PhD (Visual scanpath markers of emotional dysfunction in social anxiety disorder)	Clinical Psychologist in private practice
Kerri Brown	2000-04	Associate supervisor	PhD (ERP markers of selective attention dysfunction in schizophrenia)	Head of Multidisciplinary Education, NSW Institute of Psychiatry, Sydney
Anthony Harris	1999-03	Associate supervisor	PhD (Relating EEG disruptions to symptoms in first onset schizophrenia)	Professor, Psychiatry, University of Sydney Medical School

Barry Manor	1999-03	Associate supervisor	PhD (Developing a visual scanpath methodology)	Director, Manor Sustainability Consulting Pty Ltd
Kim Felmingham	1999-03	Associate supervisor	PhD (A cognitive neuroscience model of PTSD)	Full Professor (details above)
Albert Haig	1998-02	Associate supervisor	PhD (Developing a methodology for quantifying whole brain EEG Gamma synchrony)	Director of Research, Melbourne College of Divinity
Chris Rennie	1998-02	Associate supervisor	PhD (A neurophysiological brain model tested with EEG/ERP data)	Emeritus Senior Hospital Scientist, Medical Physics, Westmead Hospital and Head of Brain Modeling, Brain Dynamics Center, University of Sydney. Retired 2014.
Homi Bahramali	1998-02	Associate supervisor	PhD (EEG and schizophrenia)	Research Associate, Centre for the Mind, University of Sydney
Michael Breakspear	1998-02	Associate supervisor	PhD (Nonlinear neural systems and schizophrenia)	Full Professor, Queensland Medical Research Institute (details above)
Shameran Slewa-Younan	1998-02	Associate supervisor	PhD (Sex differences in EEG Gamma synchrony in schizophrenia)	Associate Professor, Western Sydney University
Jim Lagopoulos	1995-99	Associate supervisor	PhD (ERPs and cognitive disruption in Parkinson's disease)	Professor, Sunshine Coast Mind and Neuroscience - Thompson Institute, University of the Sunshine Coast

Graduate students (Doctorate or Masters in Clinical Psychology research dissertation)	**Year(s)**	**My Mentoring Role**	**Position & Area of Research**	**Current Position (for former mentees)**
Sophie Barkl	2012	Primary supervisor	MClinPsych	Clinical Psychologist, Basten & Associates, Sydney
Anna Sidis	2000-04	Primary supervisor	DClinPsych	Clinical Psychologist, The Brain & Mind Research Institute, University of Sydney
Matthew Symond	2000-04	Primary supervisor	DClinPsych	-
Thomas Arena	2000-04	Primary supervisor	DClinPsych	-
Graduate-level researchers	**Year(s)**	**My Mentoring Role**	**Position & Area of Research**	**Current Position (for former mentees)**
Marie Nagy	2008-10	Primary mentor	Graduate Senior Research Associate funded by my Pfizer Fellowship	Senior Researcher, Choice Magazine (as of 2012)
Honors research students	**Year(s)**	**My Mentoring Role**	**Position & Area of Research**	**Current Position (for former mentees)**
Stuart Grieve	2006	Primary supervisor	Graduate Medical Program honors research, University of Sydney	Parker Hughes Professor of Diagnostic Radiology, University of Sydney Medical School
Corinne Rennenberg	2005	Primary supervisor	Psychology Honors, University of Sydney	-

Josephine D'Agostino	2005	Primary supervisor	Psychology Honors, University of Sydney	-
Nathan Jacobs	2004	Primary supervisor	Psychology Honors, University of Sydney	-
Samira Sidwhani	2004	Primary supervisor	Psychology Honors, University of Sydney	Psychologist, Northern Sydney Psychology Clinic
Donna Palmer	2002	Primary supervisor	Psychology Honors, University of Sydney	Details above
Rebecca Hamilton	2002	Primary supervisor	Psychology Honors, University of Sydney	Won university medal. Project coordinator, United Nations, NYC
A Hodkinson	2001	Primary supervisor	Psychology Honors, University of Sydney	-
Kristan Kang	2001	Primary supervisor	Psychology Honors, University of Sydney	Details above
Olivia Munn	2001	Primary supervisor	Psychology Honors, University of Sydney	-
Daniel Hermens	2000	Primary supervisor	Psychology Honors, University of Sydney	Details above
Belinda Liddell	2000	Primary supervisor	Psychology Honors	Details above
Jennifer Rathjen	2000	Primary supervisor	Psychology Honors, University of Sydney	Clinical Psychologist in private practice, Sydney
Joanna Maley	1997	Primary supervisor	Psychology Honors, University of New England	-
Margaret Gunter	1997	Primary supervisor	Psychology Honors, University of New England	-
Rita Tropea	1997	Primary supervisor	Psychology Honors	-
Tom McHugh	1997	Primary supervisor	Psychology Honors, University of New England	Clinical Psychologist in private practice
Kim Kilpatrick	1996	Primary supervisor	Psychology Honors, University of New England	Clinical Psychologist in private practice
Jocelyn Barry	1995	Primary supervisor†	Psychology Honors, University of New England	-
Melissa Green	1995	Primary supervisor†	Psychology Honors, University of New England	Details above
Pamela Marsh	1995	Primary supervisor†	Psychology Honors, University of New England	Details above
Carmel Loughland	1994	Primary supervisor†	Psychology Honors, University of New England	Details above
Anna Vlasoff	1994	Primary supervisor†	Psychology Honors, University of New England	-
Debbie Bayliss	1994	Primary supervisor†	Psychology Honors, University of New England	Writer
Richard Kocsis	1994	Primary supervisor†	Psychology Honors, University of New England	Forensic Psychologist
Peter Barron	1992	Primary supervisor†	Psychology Honors, University of New England	Manager for Bruker Corporation Pty Ltd (as of 2012)

† Served as a primary supervisor during my graduate studies.

Contributions to Training Grants

Role: Faculty Mentor, 2013 - present

NIH R25 MH090947	Research Career Development Institute for Psychiatry (PI Forbes, Erika et al.)
NIH T32 MH019938	A Biobehavioral Research Training Program, Stanford University (PI Schatzberg, Alan et al.)
NIH T32 MH019908	Research Training for Child Psychiatry and Neurodevelopment, Stanford University (PI Reiss, Allan)
NIH T32 MH020016	Training Program in Basic Neuroscience, Stanford University (PI Shah, Nirao)
MIRECC/CoE VA	National Advanced Fellowship in Mental Illness Research and Treatment (PI Beaudreau, Sherry)
MIRECC/CoE VA	Postdoctoral Advanced Fellowship in Mental Illness Research and Treatment, VA Palo Alto, APA accredited specialties in PTSD and Geropsychology (PI Fairchild, Kaci)
PsyD Consortium	PGSP-Stanford Consortium is an APA accredited practitioner-scholar program

Contributions to National Training Programs

2018 - present

NIH P20 GM121312 The Center for Neuroscience-Based Mental Health Assessment and Precision (NeuroMAP) (PI Paulus, Martin), Laureate Institute for Brain Research.

Role: Executive Advisory Board member, involving annual in-person review visits and regular reviews of pilot grants to prepare early career investigators for independent funding and careers.

Mentoring contributions through major national professional societies

2016, 2019, 2022, 2023	Travel Awardee Mentor, Society of Biological Psychiatry
2014, 2016	Travel Awardee Mentor, American College of Neuropsychopharmacology
2014, 2016 - present	Women's Mentor, American College of Neuropsychopharmacology

Mentoring contributions though Stanford faculty programs

2024 - 2025	Advisor for a Peer Mentoring Group cohort
2017 - present	Mentor for Early Career faculty on the Stanford Psychiatry and Behavioral Sciences mentorship program

PROFESSIONAL SERVICE AND COMMUNITY ENGAGEMENT

National Institutes of Health Initiatives

09/2024 - 03/2025	Co-Chair for the National Institutes of Health (NIH) Virtual Workshop "AI for Precision Medicine: Integrating Clinical Imaging with Multimodal Data", held on March 11-12, 2025
09/2024 - present	Member of the Foundation for the National Institutes of Health Public-Private Partnership to Identify and Validate Biomarkers for Depression working group

Fellow of Professional association

2017 - present	Fellow of the American College of Neuropsychopharmacology (ACNP)

Membership of Professional associations

2019 - present	Global Future Council on Technologies for Mental Health - World Economic Forum
2018 - present	Anxiety and Depression Association of America (ADAA)
2013 - present	American College of Neuropsychopharmacology (ACNP)
2006 - present	Society of Biological Psychiatry (SOBP)
2002 - present	Society for Neuroscience
1998 - 2013	Australian Society for Biological Psychiatry
2007 - 2012	American Psychosomatic Society

National Committees

2025 - present	Member of the Steering Committee of MAP-D: Multi-Level Assessment & Phenotyping in Depression, Foundation for the National Institutes of Health (FNIH)
2022	Invited expert faculty member of the national NIH RECOVER (Researching COVID to Enhance Recovery) Neuropsychiatric Committee
2020 - 2023	Member of the Neuropsychopharmacology (NPP) Editor-in-Chief Search Committee
2016 - present	Member of the Senior Women's Leadership Group of the Society of Biological Psychiatry
2019	Women's Task Force Leader for the American College of Neuropsychopharmacology
2014 - 2016	Invited member of the ACNP membership committee that assesses new applications for membership to ACNP
2009 - 2013	Member of American Psychosomatic Society panel for assessing the Presidential Paul McLean Award for research integrating emotion and neuroscience

Journal Editorial Boards

2023 - 2025	Special Editor for the NEUROPSYCHIATRIC IMAGING section of the American Journal of Neuroradiology (https://www.ajnr.org)
2023 - present	Editorial board, Journal of Mood and Anxiety Disorders (Elsevier journal)
2019 - present	Editorial board, Journal of Psychiatric Research (Elsevier journal)
2017 - present	Editorial Board, Depression and Anxiety (Wiley journal)
2016 - present	Editorial Board, Personalized Medicine for Psychiatry (Elsevier journal)
2016 - present	Editorial Board, Network Science (MIT Press journal)

Advisory Boards and Prize Committees

2025 - present	Precision Neurotechnology Clinical Advisory Council for The Advanced Research + Invention Agency (ARIA)

2024 - present	CTSA Internal Advisory Board for The Stanford Center for Clinical and Translational Research and Education
2024 - present	External Scientific Advisory Board for the Cancer Neuroscience Program at MD Anderson Cancer Center
2023	The McCormick and Gabilan Faculty Awards selection committee at Stanford (established to support the advancement of women in medicine and/or medical research directly, or by supporting men or women whose focus is the mentoring, training, and encouragement of women pursuing the study of medicine, in teaching medicine, and engaging in medical research)
2019	Spinoza Prize selection committee (funding scheme directed at individuals at the very top of the research profession)
2015 - present	Advisory Board, Stanford Center for Cognitive and Neurobiological Imaging
2015 - present	Advisory Board, One Mind PsyberGuide (member of One Mind Institute)
2008	Pfizer Advisory Board for Ziprasidone

Faculty Search Committees

2024	Member of the Search Committee for the next Chairman of the Department of Radiology, Stanford School of Medicine
2021	Member of the Search Committee for the next Chairman of the Department of Radiology, Stanford School of Medicine
2021	Faculty member of the Clinical Educator Diversity Recruitment Taskforce, a taskforce initiated by the School of Medicine Dean's Office: Taskforce Convener, Bonnie Maldonado, MD, Professor of Pediatrics, Senior Associate Dean for Faculty Development and Diversity; Taskforce Chair, Janice Lowe, MD, Clinical Professor of Pediatrics, Associate Dean for Academic Affairs; Taskforce Co-Chair, Caroline Fisher, MD, Clinical Associate Professor of Ophthalmology
2018 - present	Faculty member of the selection committee for the NIH T32 MH019938 training program: A Biobehavioral Research Training Program, Stanford University
2016 - 2017	Chair of the search committee for a UTL/NTL/MCL faculty position in Computational Neuropsychiatry, Stanford School of Medicine
2016	Chair of the search committee for a UTL/NTL/MCL faculty position in Computational Neuropsychiatry, Stanford School of Medicine
2015	Member of search committee for the new Editor for the Clinical Psychological Science journal (chaired by Deanna Barch, Chair of Psychology, Washington University, St. Louis)
2015	Member of the search committee for an MCL faculty position in Neuroradiology, Stanford School of Medicine (chaired by Max Wintermark)

Grant Panels

Federal grant programs

2021	NIH grant panel member for the Biobehavioral and Behavioral Processes Scientific Review section (ZRG1, November 12)
2015	NIH grant panel member for the Adult Psychopathology and Disorders of Aging Study Scientific Review group (October 22-23)
2004 - 2014	ARC Discipline Panel Reader (ARC OzReader) This role is by invitation from the ARC. It spans all section panels. In this role, I read and assessed all grants related to biological psychology, across sections, and the goal was to ensure consistency of review scores. In a typical year, I would assess 35 applications.

2009, 2011	NHMRC grant panel member (Brain Imaging/Psychiatry & Brain Imaging) This is membership of a section panel

Grant Reviewer

Federal grant programs

2012-present	National Institute of Mental Health grants
1999 - present	Wellcome Trust project grants
1999 - 2014	Australian Research Council; Discovery, Fellowships and linkage grants
2010 – 2014	Pfizer Neuroscience Foundation Grants
1999 - 2014	National Health and Medical Research Council: Project grants, Fellowships
2002, 2004, 2011	UK Medical Research Council grants

Ad Hoc Journal Reviewer

Nature, Nature Neuroscience, Nature Medicine, Archives of General Psychiatry (JAMA Psychiatry), American Journal of Psychiatry, Molecular Psychiatry, Biological Psychiatry, Journal of Psychiatric Research, Neuropsychopharmacology, Journal of Neuroscience, Neuroimage, Human Brain Mapping, Depression and Anxiety, Journal of Psychiatry and Neuroscience, Journal of Clinical and Experimental Neuropsychology, Biological Psychology, Schizophrenia Bulletin, Neuroscience and Biobehavioral Reviews.

Conference Organization

2026	6th annual Precision Mental Health Anniversary Symposium, September 25
2025	5th annual Precision Mental Health Anniversary Symposium "Bridging Psychiatry, Neuroscience and AI", September 26
2024	4th annual Precision Mental Health and Wellness Anniversary Symposium "From Data to Care: Precision Medicine in Action for Mental Health", September 13.
2023	3rd annual Precision Mental Health and Wellness Anniversary Symposium "Precision Psychiatry, Personalized Neuroscience and the Future of Mental Health Treatment", October 24.
2022	2nd annual Precision Mental Health and Wellness Anniversary Symposium "The future of personalized neuroscience and mental health", September 28.
2021	1st annual Precision Mental Health and Wellness Anniversary Symposium "The promise of precision health for prevention, early detection, and treatment in mental health", September 24.
2020 - present	Stanford Center for Precision Mental Health and Wellness seminar series "Cutting-edge advances towards personalized mental health"
2021 - 2023	Member of the Program Committee of the Society of Biological Psychiatry Annual Conference – 2022-2023 conference years
2019 - 2021	Chair of the Program committee of the 2021 Society of Biological Psychiatry Annual Meeting
2010	Organizing committee, Australasian Schizophrenia Conference
2006, 2007	Organizing committee, International Organization for Human Brain Mapping, held in Melbourne June 2008
2006	Organizing committee, Australasian Society for Psychiatric Research
2002 - 2006	Scientific advisory committee, Australasian Society for Psychophysiology conferences
2002	Conference Convenor, First combined national meeting for Australasian Society for Psychophysiology and Functional Brain Mapping symposium
2001	Scientific advisory committee, Functional Brain Mapping conference, Melbourne
2001	Organizing Committee, 7th Australasian Schizophrenia Conference, Sydney

Institutional Service and Activities

2024	Team Science Panel presentation at the Stanford Medicine "Leading Team Science Teams" program, Stanford, April 18
2022 - present	Member of the Hoffman-Yee Grant program of the Stanford Institute for Human-Centered AI (HAI)
2022 - present	Member of the Wu Tsai Neuro Seminar Committee, Stanford University
2021 - 2022	Academic and Promotions Committee, School of Medicine, alternative faculty representative for Psychiatry and Behavioral Sciences
2021	Office for Human Research Protections (OHRP, US Department of Health and Human Services) not-for-cause audit interview (September 15)
2020 - present	Member of the faculty interview panel for the Neurosciences graduate program, Stanford University School of Medicine
2016 - present	Member of the T32 Training Fellowship Selection Committee for Adult Psychiatry, Psychiatry and Behavioral Sciences
2018	Community Area Steering Group Stanford Long Range Planning
2015 - 2017	Member of Selection Committee for the Neurosciences graduate program, Stanford University School of Medicine
2016	Member of the DSMB for Dr. Sean Mackey's R01 project
2014 - 2016	Member of the Professoriate Appointments & Promotions Committee, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine
2013 - 2016	Member of Community Engagement Advisory Committee, Psychiatry and Behavioral Sciences, University School of Medicine
2002 - 2013	Executive committee, Westmead Millennium Institute for Medical Research (WMI), Sydney
2008 - 2011	Representative for Psychiatry on the Scientific Review committee for the Human Research Ethics Committee (IRB), WMI and Sydney Medical School
2009, 2010	Dean's Representative on Promotion panels (to Associate Professor and to Professor), University of Sydney Medical School
2000 - 2003	Graduate selection committee and student coordinator, Psychology, University of Sydney
2000	Associate Postgraduate Coordinator, Psychology, University of Sydney
1999	Deputy Head (Chair) of School, Psychology, University of New England (UNE)
1996 - 1997	Coordinator, Postgraduate Studies and Research sub-committee, UNE
1994 - 1997	Test library officer, School of Psychology, UNE
1996	Departmental Representative, Faculty of Arts faculty search committee (3), UNE
1994 - 1996	Member of Finances and Resource Allocation sub-committee, UNE
1995	Acting Head (Chair) of School, Psychology, UNE (June and November)
1994	Member of Selection committee for Postgraduate Research Awards, UNE
1992 - 1994	Member of the Teaching and Assessment Sub-committee, School of Psychology, UNE

Community Contributions during tenure at Stanford

2023	19th Annual Mood Disorders Education Day, Stanford: "Approaches to Personalizing Depression Treatment", October 14.
2022	18th Annual Mood Disorders Education Day, Stanford: "Personalized Biomarkers for Treatment Selection", August 20.
2021	17th Annual Mood Disorders Education Day, Stanford: "Innovating in the Aftertime: Breakthroughs in the Evaluation and Treatment of Mood Disorders", August 28.

2020	National Alliance on Mental Health Santa Clara County (NAMI) general meeting: "Personalized Treatments for Mood Disorders", October 13.
2020	16th Annual Mood Disorders Education Day, Stanford: “Using Artificial Intelligence to Develop Biomarkers for Treatment Selection”, August 29.
2013 - ongoing	Established and ongoing researcher-clinician-education partnership with the Gronowski Center, Los Altos, CA.
2019	15th Annual Mood Disorders Education Day, Stanford: “Personalized Treatments for Mood Disorders”, July 13.
2018	14th Annual Mood Disorders Awareness Day, Stanford: “Using Neuroscience in the Pursuit of Precision Medicine”, July 14.
2017	13th Annual Mood Disorders Awareness Day, Stanford: “Neural and Depression Subtype Predictors of Antidepressant Treatment”, August 19.
2016	CAMINAR 2nd Mental Health Symposium. “Personalizing treatments for Depression and Anxiety”. Filoli Gardens, May 25. (Broadcast live)
2015	Stanford Distinguished Career Institute. “Neuroscience and the Paradigm Shift in Psychiatry”, (Chair, Dean Pizzo), April 10.
2015	11th annual Mood Disorders Awareness Day, Stanford: “Personalizing neuroscience for depression”, August 29.

MEDIA HIGHLIGHTS

2026	Stanford Medicine News Center: Reimagining mental health: Stanford Medicine experts chosen to lead precision task force (May 18)
2026	American Psychological Association Podcast: Speaking of Psychology Precision mental health and personalized treatment, with Leanne Williams, PhD, and Zachary Cohen, PhD (January 14)
2025	MedScape Medical News: A Global Roadmap for Precision Psychiatry (August 29)
2025	Monitor on Psychology: The promise of precise, personalized mental health care. American Psychological Association magazine, 56(6):63.
2024	Montz R (2024). Mapping a complex landscape: The promise of precision psychiatry and medical Imaging. Radiology Today, 25(8):14-17.
2024	Stanford Medicine’s Health Compass podcast: Episode 3 | Breaking the silence: Can we finally remove the stigma that too often prevents important mental health conversations?
2024	National Geographic: There are 6 forms of depression, study shows. Here’s how they’re different
2024	Medscape Medical News: Six Distinct Subtypes of Depression, Anxiety Identified Via Brain Imaging (June 24)
2024	CNN Health: A study identified 6 types of depression. Here’s why that matters (June 20)
2024	CBS News Bay Area: Brain imaging reveals distinct types of depression in study led by Stanford Medicine (June 17)
2024	Stanford Medicine News Center: Leanne Williams receives $18 million National Institutes of Health grant to diagnose and treat depression (June 7)
2024	Tell Me More with Kelly Corrigan | Bad Days, Tough Seasons or Clinical Depression? | Season 7 | Episode 4 | PBS (April 23)
2023	Airtalk with Larry Mantle: There Are Many Subtypes of Depression: A New Stanford Study Seeks To Better Understand One (July 12)
2023	Medscape InDiscussion podcast: Utilizing Subtypes and Biotypes for Personalized Treatments of Major Depressive Disorder (July 11)

2023 Stanford Medicine News: "Stanford Medicine-led research identifies a subtype of depression" (June 23)

2023 Stanford Magazine: "Falling for Psychedelics" (March)

2021 Stanford Medicine SCOPE Blog: Designing psychiatric care to precisely match patients' biology (December 16)

GLOBAL AND NATIONAL SCIENCE NEWS

2019 Science Magazine, August 20. "Brain scans could help personalize treatment for people who are depressed or suicidal"

2019 Nature Medicine, January 7. "Deeper Learning: Machine learning makes new sense of psychiatric symptoms"

2018 ResearchGate news, November 16. "Bringing Depression out of Darkness"

2018 Stat news, May 9. "Can precision medicine do for depression what it's done for cancer? It won't be easy"

2016 NIH Research Matters News, November 1. "Predicting the usefulness of antidepressants"

2016 Time Magazine, October 10. "Doctors can predict if antidepressants will work for you", based on the publication: Goldstein-Piekarski AN, Korgaonkar MS, Green E, Suppes T, Schatzberg AF, Hastie T, Nemeroff CB, Williams LM (2016). Human amygdala engagement moderated by early life stress exposure is a biobehavioral target for predicting recovery on antidepressants. Proceedings of the National Academy of Sciences, 113(42), 11955-11960.

2016 Huffington Post, October 18. "Will antidepressants work for you? There will soon be a test for that" . Based on the publication: Goldstein-Piekarski AN et al. (2016). Human amygdala engagement moderated by early life stress exposure is a biobehavioral target for predicting recovery on antidepressants. Proceedings of the National Academy of Sciences, 113(42), 11955-11960.

THRIVE GLOBAL

2020 May 1. How Understanding Your Biotype Can Help You Unlock Your Mental Health During a Pandemic: Identifying our personal signs of stress can help us better cope during this challenging time

2020 May 29. How Understanding Your Biotype Can Help You Unlock Your Mental Health During a Pandemic, Part II: Taking steps to improve our mental health is not only critically important during this time of uncertainty, but also in our everyday lives

2019 October 10. This New Brain Science Could Help You Unlock Better Mental Health: The key lies in understanding your own brain

2014 San Francisco Chronicle, August 12. "Robin Williams' death shines light on depression's grip"

2013 Los Angeles Times, November 18. "Scientists define brain network behind attention, day-dreaming". Based on the publication: Chen AC et al. Causal interactions between fronto-parietal central executive and default-mode networks in humans. PNAS, 2013.

2011 Sunday Telegraph, August 14. "School fails quiet girls"

2010 Sydney Morning Herald, February 18. "Computer test catches children with ADHD"

2010 The Age, February 18. "Computer test catches children with ADHD"

2010 Frontiersin.org, September 24. "Grand challenges in psychosomatic research". Ripu D. Jindal and J. Richard Jennings

2009 Australian Associated Press General News, March 17. "FED: Australia leads global study on depression treatments"

2009 Sydney Morning Herald Article, March 18. “Drug Response Study Could Keep the Black Dog Down”

2007 Good Weekend Magazine Article, March 31. “States of Mind” (in Sydney Morning Herald & the Melbourne Age)

2006 Sydney Morning Herald Article, September 14. “The Quest to Unlock the Mysteries of ADHD”

2006 Daily Telegraph, Career One Feature Article, May 24. “How Do Our Minds Work”

2006 Sun-Herald (Health Report) Article, May 7. “New Hope for the Mentally Ill”

2005 Australian, Biotechnology News, March 7. “Schizophrenic Brains out of Synch”

STANFORD NEWS

2024 Stanford Medicine Magazine, issue 1: ‘Let’s talk about it’ and ‘We could be changing lives’

2022 Stanford Medicine SCOPE, Nov 4. “New visions for mental health care”

2018 Stanford Medicine SCOPE Blog, April 1. “New Stanford center focuses on precision mental health”

2017 Stanford Magazine, Jan/Feb. ‘To dose or not to dose?’

2017 Stanford Medicine SCOPE Blog, December 4. “Many different types of anxiety and depression exist, new study finds”
Picked up by multiple other national news and media forums

2017 Stanford Medicine SCOPE Blog, October 17. “New Stanford study takes steps toward integrating brain imaging into psychiatric care”

2017 ResearchGate news, April 10. “New biomarkers take the guesswork out of finding the right antidepressant”

2016 Stanford 1:2:1 Podcast, October 11. “Will Antidepressants Help?: A New Approach to Mental Health”

2016 Stanford Medicine SCOPE Blog, October 11. “A game-changer for the treatment of depression”

2016 Stanford Medicine news, October 10. “Researchers predict with high accuracy if antidepressants will help”

2016 Stanford Medicine Magazine. Full story in Winter issue focused on “Precision Health”: “Brain Waves. How neuroscience could determine your mental health treatment”

National Television (Australian)

2012 ABC News. Twins project on emotional wellbeing (May 21)

2010 7PM Project (June 30)

2010 7PM Project (February 18)

2009 Australian Broadcasting Corporation (ABC) News “400 Aussies wanted for depression test” (April 23)

2008 ABC TV ‘Sleek Geeks’ Program (January 24)

2007 SBS TV ‘Insight’ Program (March 20)

2006 ABC TV ‘Australian Story’ Program “Lover’s Leap” (August 21)

2006 ABC TV ‘Catalyst’ Program “Wisdom” (October 5)

2001 ABC TV ‘Catalyst’ Program: ‘Emotional brain’ and Emotional Brain and Schizophrenia’ (2-part series)

2001 Qantas In Flight segment. Part I of Catalyst program also shown as Qantas in flight Program

2000 National ABC TV News Interview on fMRI Schizophrenia Research (June 1)

International articles

2016 Reuters Health News. “Past child abuse may influence adult response to antidepressants” (May 13)

2014 News Medical, “Thought Leaders” series: “How do people become depressed? An interview with Anna Watters and Professor Lea Williams” (February 19)

2007 Wall Street Journal. “The Upside of Aging”, Sharon Begley (February 16) http://hpp.beckman.illinois.edu/news/UpsideAgingWSJFeb162007.pdf

2007 Boston Globe “Finally, a study older folks can be happy about” Judy Foreman, 934 words (July 9)

2007 St. Petersburg Times “You're not getting older, you're getting happier” Judy Foreman, Special to the Times, 810 words (July 31)

2006 Society for Neuroscience News Release. The Mellow Years: New Research Using Brain Scanning Shows More Positive Emotional Stability as Humans Grow Older (June 13)

2006 Science News. Mellow Years: More Positive Emotion as Humans Grow Older (June 24)

2005 Science Magazine. News Section. ‘Sex and the Suffering Brain’, 308, 1574-1577 (June 10) (Covering my research on sex differences in Williams et al. (2005). NeuroImage, 28, 618-626)

2005 Sydney Morning Herald Weekend News Review “Matter Over Mind” (October 8–9)

2005 Sunday Herald Sun, Sunday Telegraph, Sunday Mail, “The Year of Living Fearlessly” Lollie Barr 1246 words (November 6)

2004 Sydney Morning Herald “Surf Helps with the Brainwaves” Vanessa Wilson 695 words (March 18)

2004 Sydney Morning Herald “They Know What You're Thinking” Deborah Smith 2646 words (April 9)

2004 The Age “Science's Mind Games” Deborah Smith1507 words (April 10)

2004 Daily Telegraph, Career One Feature Article “The Brains of the Operation – Truth is out There.” (November 6)

2004 Sydney Morning Herald/The Age article “They Know What You’re Thinking/Sciences Mind Games” (April 9/10)

2001 Sydney Morning Herald. “Once More With Feelings: Smells, Tunes Stored in Brain for Instant Rewind.” (April 2)

2001 The Australian. “Gamblers Problem Could Be in The Genes” (November 28)

2001 The Australian. “Gamblers Brain Numb to Danger” (December 1)

2000 Sunday Telegraph Article “Happiness is in The Eyes” (May 7)

2000 Sun Herald article “Crows Feet May Tell Truth on Our Smiles” (May 7)

2000 Sunday Age article “Real Smiles to Crow About” (May 7)

2000 25 UK and European print articles (inc. Times newspaper) on Duchenne Smile Research, (January - March)

1999 The Australian, Higher Education Supplement Article on Eye Movement Research “Schizophrenics Don’t See Eye to Eye” (July 28)

Online Video

2025 5th annual Precision Mental Health Anniversary Symposium “Bridging Psychiatry, Neuroscience and AI” (September 26)

2024 4th annual Precision Mental Health and Wellness Anniversary Symposium “From Data to Care: Precision Medicine in Action for Mental Health” (September 13)

2024 Frontiers in Medicine, Stanford Medicine's annual event: 'AI in Bloom, A New Age in Human Health'. Presentation titled "Precision Mental Health: Personalizing Treatments" (September 19)

2024 KPIX | CBS News Bay Area: Brain imaging reveals distinct types of depression in study led by Stanford Medicine (June 17)

2024 Alan Hu Foundation webinar presentation "Precision Treatments for Depression: Are We Getting Closer?" (April 9)

2023 3rd Annual Symposium of the Precision Mental Health and Wellness "Precision Psychiatry, Personalized Neuroscience & the Future of Mental Health Treatment" (October 24)

2022 2nd Annual Precision Mental Health and Wellness Anniversary Symposium "The future of personalized neuroscience and mental health" (September 28)

2021 Precision Mental Health and Wellness Anniversary Symposium "The promise of precision health for prevention, early detection, and treatment in mental health" (September 24). Part 1, Part 2.

2020 Inscopix DECODE2020 Summit - The State of Mental Health: From Bench to Bedside to Society. Keynote presentation "Precision Mental Health: Biotyping for Mood Disorders" (November 9)

2020 National Alliance on Mental Health Santa Clara County (NAMI) general meeting: "Personalized Treatments for Mood Disorders" (October 13)

2020 World Economic Forum Global Future Council on Technology for Mental Health in collaboration with Deloitte, webinar: A Paradigm Shift in Technology and Mental Health (May 13). Panel discussion on hypothetical cases that give context to ethical questions, including ethical tensions that exist across the lifecycle of tech development.

2020 San Francisco virtual info session on Mental Health & Wellness During COVID-19 with Supervisor Matt Haney via Zoom and Facebook live stream (May 6)

2017-present Williams PanLab YouTube videos on Neuroscience-Informed Precision Psychiatry for mood and anxiety disorders

2019 World Economic Forum, Davos. Using big data to diagnose and treat clinical depression faster and more accurately

2018 Stanford Big Data in Precision Health Conference: Video of talk on "Precision Mental Health

2017 Flash Talk for Stanford Medical Center Development "Thank you" day (February)

Radio/Podcasts

2026 American Psychological Association Podcast: Speaking of Psychology Precision mental health and personalized treatment, with Leanne Williams, PhD, and Zachary Cohen, PhD (January 14)

2024 Stanford Engineering "The Future of Everything" podcast with Russ Altman – 'The Future of Depression Care' (December 20)

2024 Stanford Medicine's Health Compass podcast: Episode 3 | Breaking the silence: Can we finally remove the stigma that too often prevents important mental health conversations?

2024 Depresh Mode with John Moe podcast: The Promising World of Precision Treatment for Depression (October 21)

2024 Stanford Wu Tsai Neuroscience Institute podcast "From Our Neurons to Yours": Depression's distinctive fingerprints in the brain (August 29)

2024 Kelly Corrigan Wonders: Going Deep on Finding Much Better Treatments for Depression

2023 Airtalk with Larry Mantle: There Are Many Subtypes of Depression: A New Stanford Study Seeks To Better Understand One (July 12)

2023 Medscape InDiscussion podcast: Utilizing Subtypes and Biotypes for Personalized Treatments of Major Depressive Disorder (July 11)

2019	Stanford Alumni Learn podcast: Empower Yourself: Knowing Your Own Brain with Leanne Williams
2018	BBC 4. “Futureproofing Mental Health”. Podcast (May 29)
2000	BBC World Service radio interview on Duchenne smile research (January 13)
2007	BBC radio interview on ‘Mellow Years’: Emotional Brain and Aging

Exhibits

2000	Exhibit in Wellcome Wing Project, Science Museum, London on Duchenne research, invited March.

GRANT FUNDING

Current Federal Funding

As PI

U01MH136062 05/2024 - 02/2029
Role: **MPI**
Funder: NIH
ACE-D: Accelerating Cognition-guided signatures to Enhance translation in Depression

P50DA042012 08/2023 - 09/2028
Role: **Project PI**
Overall Center PI: Karl Deisseroth
Funder: NIDA
NIDA Research "Center of Excellence" Grant Program (P50)
Overall Center title: Neural circuit dynamics of drug action
Deconstructing actions of drugs of abuse: Revealing, uncoupling, and restoring altered brain states

R01MH132962 09/2023 - 07/2028
Role: **MPI** (Contact PI for 5 MPI's: Sheline, University of Pennsylvania)
Funder: University of Pennsylvania/NIH
HCP-2.0: Ascertaining Network Mechanisms and Analytics of Emotional Dysfunction (HARMONY)

As co-I

R01MH130898 08/19/2022 - 05/31/2027
Role: **Co-Investigator** (PI: Poldrack, Stanford)
Funder: NIH
Data-driven validation of cognitive RDoC dimensions using deep phenotyping

R01MH124816 08/01/2021 - 05/31/2026
Role: **Co-Investigator** (PI: Cai, Stanford)
Funder: NIH
An integrative framework of cognitive control and reward modulation in children with ADHD: from brain dynamics to clinical symptoms

R61MH120245 07/2020 - 06/2025 (NCX)
Role: **Co-Investigator** (PI: Goldstein-Piekarski, Stanford)
Funder: NIH (NIMH)
A Novel Use of a Sleep Intervention to Target the Emotion Regulation Brain Network and Treat Depression and Anxiety

R01MH120776 09/2019 - 07/2025 (NCX)
Role: **Co-Investigator** (PI: Goldstein-Piekarski, Stanford)
Funder: NIH (NIMH)
Sleep disturbance and emotion regulation brain dysfunction as mechanisms of neuropsychiatric symptoms in Alzheimer's dementia

R01MH133553 08/2023 - 07/2028
Role: **Co-Investigator** (PI: Rodriguez, Stanford)
Funder: NIH
Examining Mu Opioid Mechanisms of Ketamine's Rapid Effects in OCD

Other Current Funding

The Development and Validation of Neural Targets in Opioid Use Disorder for Use Across Addictions — 4/2024 - 3/2027
Role: **Stanford PI**
Funder: Duke University/Wellcome Leap Inc. (WLCMLEAP)

Stanford Neurosciences Institute "Big Ideas" full funding — 2016 - present
Role: **Collaborator**
Funder: Stanford Neurosciences Institute
Neurochoice

Pilot Study of 3,4-Methylenedioxymethamphetamine (MDMA) in OCD (PI: Rodriguez) — 06/01/2022 - 05/31/2025
Role: **Co-Investigator**
Funder: Foundation for OCD Research (FFOR)

Previous NIH Funding

R01MH120126 — 09/2019 - 05/2025
Role: **PI**
Funder: NIH (NIMH)
Mechanistic circuit markers of transcranial magnetic stimulation outcomes in pharmacoresistant depression

R01MH105461 — 09/01/2015 - 06/30/2023
Role: **Co-Investigator** (PI: Rodriguez, Stanford)
Funder: NIH (NIMH)
NMDAR Modulation As A Therapeutic Target and Probe of Neural Dysfunction in OCD
To determine how NMDA receptor modulation modifies the underlying pathology of OCD to relieve repetitive thoughts and behaviors.

P50DA042012 — 09/01/2017 - 04/30/2022
Role: **Project 4 PI**
Overall Center PI: Karl Deisseroth
Funder: NIDA
NIDA Research "Center of Excellence" Grant Program (P50)
Overall Center title: Neural circuit dynamics of drug action
Mapping the Influence of Drugs of Abuse on Risk and Reward Circuits

U01MH109985 — 07/01/2017 - 04/30/2022
Role: **PI**
Funder: NIH (Human Connectome Project)
Mapping connectomes for disordered emotional states

UH2HL132368 — 09/01/2018 - 08/31/2021
Role: **co-PI** (Williams and Ma)
Funder: NIH
NIH Science of Behavior Change initiative UH3 phase
Engaging self-regulation targets to understand the mechanisms of behavior change and improve mood and weight outcomes

UH2AG052163 09/01/2015 - 08/31/2020
Role: **co-PI** (Williams and Ma, Palo Alto Medical Foundation)
Funder: NIH
Competitive renewal for the UH3 phase awarded 09/01/2018.
Engaging self-regulation targets to understand the mechanisms of behavior change and improve mood and weight outcomes, UH2 phase. An integration of human neuroscience and behavioral science, in response to the NIH Commons Science of Behavior Change initiative. A 2-phased project to identify, validate and refine a set of brain imaging and behavioral assays to measure self-regulation targets, and to engage these targets to optimize behavioral treatment of depression comorbid with obesity.

R33AT009305 08/15/2016 - 07/31/2019
Role: **Co-investigator** (PI: Williams, N)
Funder: NIH (NCCIH)
Use of repetitive transcranial magnetic stimulation to augment hypnotic analgesia.

R01 MH101496 09/01/2013 - 08/30/2018
Role: **PI**
Funder: NIH (NIMH)
Neural Dimensions of Threat Reactivity and Regulation for Understanding Anxiety
To examine the RDoC construct of reactivity and regulation of potential threat in a sample of treatment seeking individuals experiencing anxiety symptoms using neuroimaging, symptom and behavioral measures.

Previous Other Competitive Federal Funding

Project Grant 1087560* 03/01/2015 - 02/28/2018
Role: **Co-Investigator** (PI: Korgaonkar, Sydney Medical School)
Funder: National Health and Medical Research Council of Australia (NHMRC)*.
Brain connectivity imaging markers to confirm diagnosis for Bipolar vs. Unipolar Depression.

Project Grant 1004822* 06/30/2011 - 12/31/2014
Role: **PI**
Funder: National Health and Medical Research Council
General and Emotional Cognition in Early Onset Psychosis: GEM Study
Using functional MRI and behavioral measures to identify which young individuals have impairments in emotional and cognitive functions at first onset of psychosis, and which predict clinical outcomes at 6 months.

Project Grant 1008080* 06/30/2011 - 12/31/2014
Role: **Co-Investigator** (PI: Korgaonkar, University of Sydney)
Funder: National Health and Medical Research Council
Limbic Maturational Changes in Adolescence and Young Adulthood (LIMCA): A Longitudinal Study
Using brain imaging to specify the brain circuitry changes that occur over adolescence, since it is such a peak period for the onset of major disorders of depression, anxiety and psychosis.

Discovery Project DP120104496 03/31/2011 - 03/31/2013
Role: **PI**
Funder: Australian Research Council
Understanding the Emotional Brain in Risk for Depression
To use fMRI and EEG measures of fear circuitry in a longitudinal design to identify which participants at high risk, defined by genetic variants and family history, convert to clinical depression over 12 months.

Center of Excellence 455431** 03/01/2007 - 12/31/2011
Role: **Co-PI**
Funder: National Health and Medical Research Council
Centre of Clinical Research Excellence (CCRE) in Anxiety and Neuroscience
To establish an inter-disciplinary program of clinical neuroscience research to translate findings from animal work to human patients with anxiety – focusing on PTSD - to identify predictors of treatment outcomes.

Linkage LP0883621 07/01/2008 - 12/31/2011
Role: **PI**
Funder: Australian Research Council
Gene-Brain Pathways in Emotional Brain Stability and Instability
A prospective study of a national twin cohort, designed to identify endophenotypes for emotional brain health using self-report, genomic, cognitive, psychophysiological and brain imaging modalities.

Project 457424* 03/01/2009 - 06/30/2011
Role: **Co-Investigator** (PI: Kohn)
Funder: National Health and Medical Research Council
ACTION: A Controlled Trial of Non-stimulants in ADHD

Senior Research Fellowship 09/05/2004 - 05/30/2010
Role: **PI**
Funder: Pfizer Foundation
Missing Links: The Cause and Treatment of Functional Disconnections in Brain Disorders
This is a $1M fellowship for high-risk biomedical research, awarded to one or two researchers in the country each year and aimed at retaining talented researchers at the Associate Professor level. The focus was on characterizing the brain circuits disconnections that classify and predict treatment outcome in the major psychiatric disorders.

Discovery Project DP077394* 03/01/2007 - 06/30/2010
Role: **PI**
Funder: Australian Research Council
Identifying Risk Factors for Depression: A Cognitive Neuroscience Approach
To assess neurobiological risk factors for depression and associated anxiety, focusing on brain imaging of emotional circuits and their modulation by genetic variants.

Discovery Project DP0452237* 03/01/2008 - 06/30/2010
Role: **PI**
Funder: Australian Research Council
Towards a Continuum Model of Orienting and Defense

Linkage Project LP0455104* 03/01/2007 - 06/30/2009
Role: **PI**
Funder: Australian Research Council
Development of Integrative Markers of Brain Function

Discovery Project DP0345481* 03/01/2005 - 06/30/2007
Role: **PI**
Funder: Australian Research Council
A biosignature for supraliminal and subliminal emotion processing

Linkage Project LP0212048* 03/01/2004 - 06/30/2006
Role: **Co-I** (PI Bryant)
Funder: Australian Research Council
Identifying Malingered Posttraumatic Stress Disorder: Biological Markers for Legal Assessment

Project A00104478* 03/01/2003 - 06/30/2005
Role: **PI**
Funder: Australian Research Council
When, Where and How of Emotion Processing

***** In terms of scope and competitiveness, NHMRC Project Grants are the equivalent of NIH R01 grants, and ARC Discovery Project (DP) Grants are the equivalent of NSF grants.

** NHMRC CCRE grants are the equivalent of NIH P50 Center of Excellence grant.

Past Clinical Trial Agreement (CTA) Funding

CTA 09/01/2008 - 02/01/2014
Sponsor: Brain Resource, Ltd.
Role: **Academic PI**
international Study to Predict Optimized Treatment for Depression (iSPOT-D)
A practical trial coupled with neurobiological assessments to identify predictors of treatment response outcomes in major depressive disorder. Standardized measures of behavioral performance, EEG and brain imaging recordings were undertaken pre-treatment and 8-weeks post-treatment, after randomization to one of three antidepressant medications.

CTA 02/01/2011 - 02/01/2014
Sponsor: Brain Resource, Ltd.
Role: **Academic PI**
international Study to Predict Optimized Treatment for ADHD (iSPOT-A)
A practical trial coupled with neurobiological assessments to identify predictors of treatment response in ADHD. Clinical, cognitive, EEG and brain imaging measures were undertaken pre-treatment and following six weeks treatment with stimulant medication in children and adolescents with ADHD.

Other Previous Funding

Using Wearable Electrodermal Activity (EDA) Sensors to Augment ADHD Diagnosis 10/01/2021 - 09/30/2024
Role: **PI**
Funder: Stanford Institute for Human-Centered Artificial Intelligence (SUHAI)

Targeting mechanisms of cognitive impairment in patients with depression using a selective alpha2a-adrenergic agonist and imaging tool endpoints 06/20/2022 - 01/31/2024
Role: **PI**
Funder: Stanford Innovative Medicine Accelerator (IMA)
2022 Winter Experimental Human Biology RFP

A Wearable Sensing Platform to Understand Mental Health and Physical Performance (PI Bao) 05/01/2022 - 04/30/2023
Role: **Co-PI**
Funder: Stanford Human Performance Alliance

Pilot Study to Identify Modifiable Transdiagnostic Suicide Attempt Risk Factors (PI: Rodriguez) 10/01/2019 - 09/30/2022
Role: **Co-Investigator**
Funding: American Foundation for Suicide Prevention

Infection Recovery in SARS-CoV2 (IRIS) Neurostudy - Phase 2 04/01/2021 - 03/31/2022
Role: **PI**
Funder: Stanford ChEM-H/Innovative Medicine Accelerator (IMA)
“COVID Response Outpatient Studies on Human Subjects” RFP

Infection Recovery in SARS-CoV-2 (IRIS) Neurostudy 07/01/2020 - 03/31/2022
Role: **PI**
Funder: Stanford ChEM-H/Innovative Medicine Accelerator (IMA)

Translational and Clinical Biomedical Innovation Award 2017 - 2020
Role: **PI**
Funder: Stanford School of Medicine Biomedical Innovation program
Precision mental health: Evaluating biotype-guided interventions for depression

Catalyst for Collaborative Solutions 04/01/2017 - 12/31/2020
Role: **Co-PI** (with Bao, PI)
Funder: Stanford University. Program is focused on catalyzing collaborations across Engineering, Medical, and Sciences and Humanities.
Effective, Scalable, and Affordable Strategies for Mental Health.

Apple Watch seed grant 2017 - 2019
Role: **PI**
Funder: Stanford Center for Digital Health
Stop watch: Reducing hyperactivity and supporting attention for youth with ADHD

Center for Neurobiological Imaging (CNI) Seed Grant 10/29/2014 - 03/31/2015
Stanford University
Role: **Co-Investigator** (PI: Padula, Stanford University)
"Neural mechanisms of reward and emotional brain circuitry underlying alcohol craving in men and women".
To examine neural correlates of emotion and reward in men and women with alcohol use disorders and provide pilot data for career development award.

PATENTS

1. **Williams LM** (2020). Systems and methods for detecting complex networks in MRI image data. US Patent App. 16/921,388 of July 6, 2020. Patent No. US 11,701,078 of July 18, 2023.
2. **Williams LM** (2020). Systems and methods for detecting complex networks in MRI image data. US Patent App. 16/368,774 of March 28, 2019; Patent No. US 10,702,232 B2 of July 7, 2020.
3. **Williams LM** (2018). Systems and methods for detecting complex networks in MRI image data. US Patent App. 15/997,631 of June 4, 2018; Patent No. US 10,285,658 of May 14, 2019.
4. **Williams LM** (2018). Systems and methods for detecting complex networks in MRI image data. US Patent App. 15/830,338 of November 21, 2017; Patent No. US 10,034,645 of July 31, 2018.
5. **Williams LM**. PCT/US2018/027606 including any foreign counterparts.

BIBLIOGRAPHY

Summary: 415 peer-reviewed articles reporting original research
25 invited reviews/reports/editorials/peer-reviewed commentaries
1 book and 15 book chapters

Impact:

- H-index = 127. Based on all citations.
- World ranking across all fields = 128 (118 in psychiatry)
based on career-long data from Scopus, taken as a snapshot as of August 1, 2024, with the ranking based on a composite indicator (c-score) based on six citation indices, including total number of citations, hirsch h-index co-authorship adjusted hm-index, and number of citations as a single author, single or first author, and signal, first, or last author (Ioannidis, John P.A. (2024). "August 2024 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V7, doi: 10.17632/btchxktzyw.7).
- World percentile = 99.93%, derived from the world ranking, based on career-long data from Scopus
- Best Female Scientists in the World Award, 2022, 2023, 2024 and 2025, based on h-index ranking within the top 1,000 female scientists across disciplines (research.com)

Peer-Reviewed Articles (415 published)

1. Krause AJ, Osorno R, Solomon NL, Ahmadi M, Lam P, Magana O, Blozyte-Sakenis E, Harris LN, Babros MC, Izabel SS, Bernert RA, **Williams LM**, Gross JJ, Ma J, Lazzeroni LC, Yesavage JA, Manber R, Saletin JM, Goldstein-Piekarski AN (2026). Examining fronto-limbic brain and sleep mechanisms of antidepressant effects in cognitive-behavioral therapy for insomnia. Neuropsychopharmacology. 2026 May 7. Epub ahead of print. PMID: 42098309. doi: 10.1038/s41386-026-02431-0
2. Warthen KG, Keller AS, **Williams LM** (2026). Relationship of Behavioral Activation to Time-Varying Sub-Network Coherence in Attention and Reward Neural Networks. Brain Topogr, 39(3):34. PMID: 41874785. doi: 10.1007/s10548-026-01189-4
3. Korgaonkar MS, Tobler C, Felmingham K, **Williams LM**, Bryant RA, Breukelaar IA (2026). Emotional scars: limbic brain processing alterations in adults with childhood abuse across mental health disorders. Mol Psychiatry. Epub ahead of print. PMID: 41786891. doi: 10.1038/s41380-026-03511-9
4. Connon E, Park HRP, Turner RM, **Williams LM**, Gatt JM (2026). The 12-year longitudinal impact of risk and resilience trajectories on adult health following childhood trauma. Am Psychol. Epub ahead of print. PMID: 41785132. doi: 10.1037/amp0001658
5. Zheng H, Savitz J, Haroon E, Ahern J, Loughnan RJ, Naber F, Xu B, Forthman KL, Aupperle RL, **Williams LM**, Paulus MP, Fan CC, Thompson WK (2026). Polygenic score for C-reactive protein is linked to faster cortical thinning and psychopathology risk in adolescents. Nature Mental Health, 4:427–438. PMID: 41821624 PMCID: PMC12975513 doi: 10.1038/s44220-026-00585-w
6. Hack L, Jubeir J, Hilton R, Tozzi L, Boyar L, Zhang X, Lyons T, Jo B, O'Hara R, Schatzberg A, **Williams LM** (2025). A stratified precision medicine trial targeting α2A-adrenergic receptor agonism as a treatment for the cognitive biotype of depression. Nature Mental Health, 3(11):1363–1373. PMID: 41211529 PMCID: PMC12589093 doi: 10.1038/s44220-025-00510-7

    Research Briefing on this paper: Targeting a specific molecular mechanism alleviates the cognitive biotype of depression (2025). Nat. Mental Health, 3:1302–1303. doi: 10.1038/s44220-025-00539-8
7. Akiki TJ, **Williams LM**, Wolfers T, Yang Y, Stahl D, Gillan CM (2025). Transforming psychiatry with computational and brain-based methods. Nat Comput Sci, 5(10):844-847. PMID: 41073628. doi: 10.1038/s43588-025-00884-9.

8. Colbert SMC et al. (2025). Defining suicidality phenotypes for genetic studies: perspectives of the Psychiatric Genomics Consortium Suicide Working Group. Mol Psychiatry, 30:6144–6154. Epub ahead of print. PMID: 40999039 doi: 10.1038/s41380-025-03271-y.

9. Ahn J, Foland-Ross L, Akiki TJ, Boyar L, Wydler I, Bostian C, Zhang X, Yang HJ, Ellsay A, Ma E, Rajasekharan D, Holtzheimer P, Lim K, Madore M, Philip N, Ajilore O, Ma J, **Williams LM** (2025). Developing Clinically Interpretable Neuroimaging Biotypes in Psychiatry. Biol Psychiatry, S0006-3223(25)01436-2. PMID: 40930375. PMCID: PMC12794838 doi: 10.1016/j.biopsych.2025.08.019

10. Akiki TJ, Jubeir J, Bertrand C, Tozzi L, **Williams LM** (2025). Neural circuit basis of pathological anxiety. Nature Reviews Neuroscience, 26(1):5-22. Epub 2024 Nov 27. PMID: 39604513 doi: 10.1038/s41583-024-00880-4

11. Zhang X, Hack LM, Bertrand C, Hilton R, Gray NJ, Boyar L, Laudie J, Heifets BD, Suppes T, van Roessel PJ, Rodriguez CI, Deisseroth K, Knutson B, **Williams LM** (2025). Negative Affect Circuit Subtypes and Neural, Behavioral, and Affective Responses to MDMA: A Randomized Clinical Trial. JAMA Network Open, 8(4):e257803. PMID: 40305021; PMCID: PMC12044494. doi: 10.1001/jamanetworkopen.2025.7803.

12. Leikauf JE, Griffiths KR, Clarke SD, Kohn MR, **Williams LM** (2025). Attention-Deficit/Hyperactivity Disorder Subtypes Defined by Cognition Have a Distinct Neural and Clinical Profile and Differ in Response to Atomoxetine. J Am Acad Child Adolesc Psychiatry. 2025 Jul 15:S0890-8567(25)00337-5. Epub ahead of print. PMID: 40681145. doi: 10.1016/j.jaac.2025.07.007

13. Rajasekharan D, Madore MR, Holtzheimer P, Lim KO, **Williams LM***, Philip NS* (2025). Personalized models of BeamF3 targeting in transcranial magnetic stimulation for depression: Implications for precision clinical translation. Brain Stimulation, 18(3):829-837. PMID: 40194594; PMCID: PMC12119053 doi: 10.1016/j.brs.2025.04.003.

    * Equally credited senior authors.

14. Haris EM, Bryant RA, Felmingham KL, **Williams LM**, Korgaonkar MS (2025). Functional connectivity profiles of amygdala subregions in posttraumatic stress disorder. Transl Psychiatry, 15(1):280. PMID: 40804236; PMCID: PMC12350740. doi: 10.1038/s41398-025-03508-y

15. Yu JJ, **Williams LM**, Tanabe J, Schmitt JE, Dagher R (2025). From Scanner to Bedside: Building Bridges in Translational Psychiatric Neuroimaging. Am J Psychiatry, 182(8):793. PMID: 40746054. doi: 10.1176/appi.ajp.20240974

16. Kauvar I, Richman EB, Liu TX, Li C, Vesuna S, Chibukhchyan A, Yamada L, Fogarty A, Solomon E, Choi EY, Mortazavi L, Chau Loo Kung G, Mukunda P, Raja C, Gil-Hernández D, Patron K, Zhang X, Brawer J, Wrobel S, Lusk Z, Lyu D, Mitra A, Hack L, Luo L, Grosenick L, van Roessel P, **Williams LM**, Heifets BD, Henderson JM, McNab JA, Rodríguez CI, Buch V, Nuyujukian P, Deisseroth K (2025). Conserved brain-wide emergence of emotional response from sensory experience in humans and mice. Science, 388(6750):eadt3971. PMID: 40440375 doi: 10.1126/science.adt3971

17. Rodríguez PAM, Pines A, Zhang X, van Roessel PJ, Mukunda P, McCarthy E, **Williams LM**, Rodríguez CI (2025). Exploring the effects of cognitive behavioral therapy on cognitive control circuit and behavioral task performance in hoarding disorder. Journal of Psychiatric Research, 186:423-433. PMID: 40315751; PMCID: PMC12173174 doi: 10.1016/j.jpsychires.2025.04.010.

18. Park HRP, Egan LA, Chilver MR, Schofield PR, **Williams LM**, Gatt JM (2025). The moderating effect of recent positive and negative life events on the impact of early life stress on mental wellbeing and distress. Journal of Psychiatric Research, 182:166-176. PMID: 39813961 doi: 10.1016/j.jpsychires.2024.12.047.

19. Gozdas E, Avelar-Pereira B, Fingerhut H, Dacorro L, Jo B, **Williams LM**, O'Hara R, Hosseini SMH (2024). Long-term cognitive training enhances fluid cognition and brain connectivity in individuals with MCI. Transl Psychiatry, 14(1):447. PMID: 39443463; PMCID: PMC11500385 doi: 10.1038/s41398-024-03153-x

20. Bryant R, Breukelaar I, Williamson T, Felmingham K, **Williams LM**, Korgaonkar M (2024). The neural connectome of suicidality in adults with mood and anxiety disorders. Nature Mental Health, 2:1342–1349. PMID: 39525802 PMCID: PMC11540851 doi: 10.1038/s44220-024-00325-y

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    * Equal first authors.

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17. Perry L, Goldstein-Piekarski AN, **Williams LM** (2017). Sex differences modulating serotonergic polymorphisms implicated in the mechanistic pathways of risk for depression and related disorders. Journal of Neuroscience Research, 95(1-2), 737-762 (review). PMID: 27870440 PMCID: PMC5119468 doi: 10.1002/jnr.23877
18. Day CVA, **Williams LM** (2012). Finding a biosignature for melancholic depression. Expert Review of Neurotherapeutics, 12(7), 835-847 (review). PMID: 22853791 doi: 10.1586/ern.12.72
19. Koslow S, **Williams LM**, Gordon E (2010). Personalized medicine for the Brain: a Call for Action. Molecular Psychiatry, 15(3), 229-230 (commentary). PMID: 20065956 doi: 10.1038/mp.2009.147
20. **Williams LM**, Nagy MT, Docherty J, Gordon E (2010). Emotion, Thinking, and Brain Synchrony in Schizophrenia: An Integrative Model. Mind & Brain, the Journal of Psychiatry, 1(1), 87-99 (review).
21. **Williams LM,** Tsang TW, Clarke S, Kohn M (2010). An 'Integrative Neuroscience' Perspective on ADHD: Linking Cognition, Emotion, Brain and Genetic Measures with Implications for Clinical Support. Expert Review of Neurotherapeutics, 10(10), 1607–1621 (review). PMID: 20925475 doi: 10.1586/ern.10.140
22. **Williams LM** (2008). Voxel Based Morphometry in Schizophrenia: Implications for Neurodevelopmental Connectivity Models, Cognition and Affect. Expert Review of Neurotherapeutics, 8(7), 1049-1065 (review). PMID: 18590476 doi: 10.1586/14737175.8.7.1049
23. **Williams LM**, Gordon E (2007). Dynamic Organization of the Emotional Brain: Responsivity, Stability, and Instability. Neuroscientist, 13(4), 349-70 (review). PMID: 17644766 doi: 10.1177/1073858407013004080l
24. Hermens DF, Rowe DL, Gordon E, **Williams LM** (2006). Integrative Neuroscience Approach to Predict ADHD Stimulant Response. Expert Review of Neurotherapeutics, 6(5), 753–763 (review). PMID: 16734523 doi: 10.1586/14737175.6.5.753
25. International Human Genome Sequencing Consortium. Finishing the euchromatic sequence of the human genome. Nature. 2004 Oct 21;431(7011):931-45. PMID: 15496913 doi: 10.1038/nature03001.
26. **Williams LM**, Lee K-H, Haig A, Gordon E (2003). High-frequency Synchronization in Schizophrenia: Too Much or Too Little? Behavioral and Brain Sciences, 26(1), 109-110 (commentary). doi: 10.1017/S0140525X03480023

Books

Williams LM, Hack LM (eds) (2021). "Precision Psychiatry: Using Neuroscience Insights to Inform Personally Tailored, Measurement-Based Care". American Psychiatric Association. ISBN 978-1-61537-158-7

Book chapters (15 published)

1. Hack LM, Zandvakili A, **Williams LM** (2024). Stratified precision medicine for transcranial magnetic stimulation treatment of major depressive disorder. In the Oxford Handbook of Transcranial Stimulation (2nd Edition) (Chapter 39, pp.1029-1040). Eds: Wassermann EM, Peterchev AV, Zuemann U, Lisanby SH, Siebner HR, Walsh V. Oxford University Press. doi: 10.1093/oxfordhb/9780198832256.013.42
2. Hack LM, **Williams LM** (2021). Precision Mental Health: Focus on Depression. In Convergence Mental Health: A Transdisciplinary Approach to Innovation (Chapter 12, pp.165-180). Eds: Eyre HA, Berk M, Lavretsky H, Reynolds C. Oxford University Press. ISBN-13: 9780197506271. doi: 10.1093/med/9780197506271.003.0012
3. **Williams LM**, Goldstein-Piekarski AN (2020). Applying a Neural Circuit Taxonomy in Depression and Anxiety for Personalized Psychiatry. In Personalized Psychiatry, (Chapter 42, pp.499-519). Ed: Baune BT. Elsevier. ISBN: 978-0-12-813176-3 (Copyright date: Oct 31, 2019). doi: 10.1016/B978-0-12-813176-3.00042-0
4. **Williams LM**, Ball TM, Kircos C (2019). Precision Psychiatry (Chapter 28). In American Psychiatric Association Publishing Textbook of Psychiatry (7th Edition). Ed: Roberts LW. American Psychiatric Association Publishing. ISBN 10: 1615371508; ISBN 13: 9781615371501 doi: 10.1176/appi.books.9781615372980.lr28
5. Goldstein-Piekarski AN, **Williams LM** (2019). A neural circuit-based model for depression anchored in a synthesis of insights from functional neuroimaging. In Neurobiology of Depression: Road to Novel Therapeutics (Chapter 21, pp.241-256). Eds: Quevedo J, Carvalho AF, Zarate CA. Academic Press. doi: 10.1016/B978-0-12-813333-0.00021-4
6. **Williams LM** (2019). Applying a Neural Circuit Taxonomy in Depression and Anxiety for Personalized Psychiatry. In Precision Psychiatry. Elsevier. ISBN: 978-0-12-813176-3
7. Padula C, Vanden Bussche AB, **Williams LM** (2018). Mood Disorders. In Military and Veteran Mental Health, A Comprehensive Guide (pp.199-223). Eds: Roberts LW, Warner CH. Springer, New York, NY. doi: 10.1007/978-1-4939-7438-2_14.
8. **Williams LM**, Gott C (2013). What dimensions of heterogeneity are relevant for treatment outcome? (Chapter 4). In Schizophrenia: Evolution and Synthesis. Eds: Silverstein SM, Moghaddam B, Wykes T. Strüngmann Forum Reports, vol. 13. Cambridge: The MIT Press. PMID: 33886227 Bookshelf ID: NBK569657 doi:10.7551/mitpress/9780262019620.003.0004
9. Palmer D, **Williams L**M (2013). The Normal Development of the Adolescent Brain. In A Clinical Handbook in Adolescent Medicine: A Guide for Health Professionals Who Work with Adolescents and Young Adults, (pp.15-25). Eds: Steinbeck K, Kohn M. Singapore: World Scientific Publishing. doi: 10.1142/9789814374040_0002
10. **Williams LM**, Gordon E (2010). Personalized Medicine and Integrative Neuroscience: Toward Consensus Markers for Disorders of Brain Health (Chapter 3). In Integrative Neuroscience and Personalized Medicine. Eds: Gordon E, Koslow SH. Oxford University Press. doi:10.1093/acprof:oso/9780195393804.003.0003
11. Kohn M, Clark S, **Williams LM** (2010). Personalized Integrative Markers for Attention Deficit/HyperActivity Disorder in Children and Adolescents (Chapter 7). In Integrative Neuroscience and Personalized Medicine. Eds: Gordon E, Koslow SH. Oxford University Press. doi:10.1093/acprof:oso/9780195393804.003.0007
12. **Williams LM** (2003). Nonconscious perception: the contribution of neuroimaging. In The Self in Conversation: Volume Two (pp.154-163). Eds: Meares R, Nolan P. Australia: Watermark Press. ISBN 0958140316
13. Beech A, **Williams LM** (1997). Investigating cognitive processes in schizotypal personality and schizophrenia. In Cognitive science perspectives on personality and emotion (Chapter 11, pp. 475-502).

Ed: Matthews G. London, Elsevier Science. Advances in Psychology book series, Vol. 124. doi: 10.1016/S0166-4115(97)80128-8

14. Claridge G, Mason O, **Williams LM** (1997). Questionnaire measurement. In Schizotypy: Implications for Illness and Health (Chapter 2, pp.19-37). Ed. Claridge G. Oxford University Press. doi: 10.1093/med:psych/9780198523536.003.0002
15. **Williams LM**, Beech A (1997). Investigations of cognitive inhibitory processes in schizotypy and schizophrenia. In Schizotypy: Implications for Illness and Health (Chapter 4, pp.63-79). Ed. Claridge G. Oxford University Press. doi: 10.1093/med:psych/9780198523536.003.0004

INVITED PRESENTATIONS

Chronological order

During training

1992 College Seminar series. Oxford University, Magdalen College, 'Early Visual Processing in Schizophrenia and Schizotypy', January 16.

1998 Institute Seminar series: Institute of Psychiatry, London seminar, 'Face Processing in Schizophrenia: An Eye Movement Study', July 27.

1999 New England Branch of Australasian Psychological Society presentation, Armidale. 'Why do schizophrenics misinterpret a smile: An eye movement study', July 14.

International and National Keynote presentations

2000 Keynote: Schizophrenia Fellowship of NSW "Real Change or Just Rhetoric? Turning Knowledge into Practice" Symposium. 'The What, Where and When of Emotion Processing in Schizophrenia'. Masonic Centre, Sydney, May 26.

2002 Platform Presentation. Australasian Society for Neuropsychology conference, "The Emotional Brain", May 28.

2002 Keynote: Australian and NZ Association of Psychotherapy 11th Annual conference, 'The Emotional Brain; Neuroimaging and Unconscious Perception'. Sydney, August 8.

2005 Keynote: Australian and New Zealand Association of Psychotherapy Annual Conference, "The Emotional Brain: Nonconscious Perception and Trauma". Sydney, September 4.

2006 Keynote: Dalai Lama Mind & Its Potential Conference, "An 'Integrative Neuroscience of Brain, Mind and Consciousness". Sydney, September 2.

2006 Keynote: Australian Association for Cognitive Behavior Therapy National Conference, "The Emotional Brain: Evidence from Cognitive Neuroscience and Implications for Therapy". Sydney, October 18.

2008 Presidential Address: An Integrative Framework for Emotional Brain Organization: The Continuum of Wellness and Illness. American Psychosomatic Society, March 8.

2009 Keynote: International Society for Affective Disorders Conference, "Pathways of Risk for Depression: BDNFVal66Met, Stress and Emotional Brain Systems." February 28.

2009 Panel Presentation. Dalai Lama, Mind & Its Potential Conference, 'Can we Teach Ourselves to Regulate Emotions?'. Sydney, December 3.

2010 Platform Presentation. Biological Psychiatry Australasia, inaugural meeting, "Psychiatry and the Emotional Brain". Melbourne, September 6.

2016 Opening Plenary Presentation. "Childhood Trauma and its Impact on Emotional Brain Circuits, Mood Disorder and Treatment Outcomes" at the inaugural conference of the Missouri Institute of Mental Health conference on Traumatic Stress: New Mechanisms and Treatment. Clayton Plaza Hotel, St Louis, Missouri, March 9.

2016 Keynote: "Precision Psychiatry: Toward a Neural Circuit Taxonomy for Mood and Emotion Regulation Circuit Disorders". International Society for Bipolar disorders, Washington DC, May 5.

2016 Plenary Presentation. Society of Biological Psychiatry, "Precision Psychiatry", Atlanta, May 14.

2019 World Economic Forum Annual Meeting, "The future of Precision Psychiatry", Davos, Switzerland, January 22.

2020 Panel presentation: Johnson & Johnson Innovation | JLABS @ Washington, DC virtual educational panel "Real Insights: How Real-World Evidence Can Support Mental Health Innovation", October 6.

2020 Keynote: "Precision Mental Health: Byotyping for Mood Disorders". Inscopix DECODE2020 Summit - The State of Mental Health: From Bench to Bedside to Society, November 9.

2021 Panel presentation: “Precision psychiatry for depression and anxiety: Using biotypes to personalize treatment selection” at the First Annual Conference on Precision Psychiatry “The Promise of Precision Prediction, Prevention, and Treatment in Mental Health” organized by MGH Center for Precision Psychiatry, virtual, September 30.

2021 Panel presentation: “Precision Psychiatry: Translating advanced brain imaging and technology insights into the treatment and care of mood disorders” at the Janssen R&D and Johnson & Johnson Innovation conference “Breakthroughs in Treatments of Mood Disorders”, virtual, October 6.

2022 Invited Opening Panelist - Fireside chat, visions of the future of mental health. Wellcome Mental Health Frontiers Meeting: Navigating new pathways to intervening early in anxiety, depression and psychosis, virtual, January 25-27.

2022 Invited panel presentation on precision mental health at the Stanford and Tony Blair Institute Mental Healthcare Innovations Summit, Stanford School of Medicine, October 6.

2023 National Academies of Sciences, Engineering and Medicine Forum on Neuroscience and Nervous System Disorders public workshop “Multimodal Biomarkers for Central Nervous System Disorders: Development, Integration, and Clinical Utility”, invited panel presentation in Session 2: Precision Medicine Opportunities, Challenges, and Lessons Learned in Multimodal Biomarkers for CNS Disorders, titled “Precision Psychiatry: Biomarkers for major depression”, March 14.

2023 Frontiers of Science Lecture at the 2023 Annual Meeting of the American Psychiatric Association Precision Psychiatry, “Using Neuroscience Insights to Inform Personally Tailored, Measurement-Based Care”, San Francisco, May 23.

2023 Peter Goodenough Memorial Lecture at the Queensland Brain Institute, “New visions for mental health care: Using neuroscience to personalize treatments”, The University of Queensland, St. Lucia, Australia, September 6.

2023 Montana Psychiatry Conference, lectures on “Vision and Progress in Precision Psychiatry” and “Precision Therapeutics: From Circuit Biotypes to Personalized Interventions”, Chico Hot Spring Resort, November 11.

2024 Les conferences de la Fondation FondaMental, “Towards precision psychiatry!”; presentation titled ‘What is precision psychiatry?’, prerecorded webinar, January 10.

2024 53rd Annual meeting of the International Neuropsychological Society, invited symposium with David Van Essen and Deanna Barch, “The Human Connectome Project: What have we learned and what lies ahead?”; presentation titled ‘Connectomes Related to Human Disease (CRHD): Depression and Anxiety’, New York, NY, February 15.

2024 Global Neuropsychiatry Group of the International Neuropsychiatric Association webinar series, presentation titled ‘New visions for mental healthcare: Using neuroscience to personalize treatments’, March 28

2024 Alan Hu Foundation webinar, “Precision Treatments for Depression: Are We Getting Closer?”, April 9

2024 Amygdala, Stress, and PTSD Conference, presentation titled “Precision mental health: Using amygdala circuit measures to diagnose subtypes and inform treatment”, prerecorded, and Q&A panel, virtual, April 23

2024 American Society of Neuroradiology (ASNR) annual meeting, presentation titled “Decoding Depression: Exploring Neural Circuit Biotypes”, Las Vegas, NV, May 18

2025 Les conferences de la Fondation FondaMental, “Biomarkers in Psychiatry: Why, How, and What?”; presentation titled ‘Biomarkers of brain circuits’, prerecorded webinar, October 15.

2026 American Psychiatric Association (APA) Initiative: Mental Health Innovation Zone, Panel “Advances in Precision Mental Health: From Data to Diagnosis & Treatment”. Moderator: Yiqi Anabelle Lin, MD. Other speakers: Carl Marci, MD; Kazutaka Okuda, MD; Justin Baker, MD, PhD. San Francisco, CA, May 18.

2026 American Psychiatric Association (APA) annual meeting. Plenary "Integrating Neurobiology and Psychiatric Nosology – DSM in the Next Era". Chair: Jonathan E Alpert, MD, PhD. Other presenters: Kenneth Wengler; Anand Kumar, MD; Tory Eisenlohr-Moul, PhD. San Francisco, CA, May 19.

Grand Rounds and Invited Colloquia and Panel presentations

1998 Institute seminar series: Maudsley Hospital, London. 'What's in a Smile?: Visual Scanpaths and Facial Affect in Schizophrenia', Institute of Psychiatry, London, UK (during sabbatical at the Institute of Psychiatry), October 28.

2005 California Institute of Technology (Caltech), USA. 'Towards an Integrative Neuroscience of Fear Perception'. June 7.

2006 Institute seminar series. Wellcome Institute of Cognitive Neurology, 'Emotional Brain' Systems: Exploring the Role of Genetics, Constitutional Factors and Awareness. London, UK, June 15.

2006 University "Jo Wales" seminar series. "The 'emotional brain' Its role in the subconscious, wellbeing and the impact of trauma". James Cook University, Queensland, March 31.

2007 Westmead Hospital Psychiatry Grand Rounds. "Markers of schizophrenia relevant to the real world", Sydney, April 12.

2009 Columbia University. Psychiatry, special seminar. "Using an 'Integrative Neuroscience' to link brain with cognition and clinical outcomes in psychiatry", November 11.

2010 University of Western Sydney medical school seminar series. "An integrative framework: The emotional brain in wellness and illness", May 21.

2009 Prince of Wales Medical Research Institute seminar series. "Identifying Integrative Markers of psychiatric disorder and treatment", June 12.

2010 Stanford University. Psychiatry and Behavioral Sciences. An 'Integrative Neuroscience for Psychiatry". Palo Alto, California, October 6.

2012 Columbia University Cognitive Neuroscience seminar series. "Integrating cognitive neuroscience with treatment prediction designs: First outcomes from iSPOT-D". New York, June 26.

2013 National Center for PTSD, VA Menlo Park (hosted by Joe Ruzek, PhD) . "Applied Personalized Neuroscience: Focusing on the Emotional Brain", September 11.

2014 Stanford/VA Geriatric Psychiatry and Neuroscience (GPN) Grand Rounds. "A translational neuroscience model for affective disorders across the lifespan", October 20.

2015 Vanderbilt University. 2014-15 Psychology Colloquium Series. Presented on "A translational neuroscience model: implications for diagnosis and treatment". April 1-2.

2015 Berkeley University. 2015 Clinical Science Colloquium Series. Presented on " Personalized Neuroscience: Developing a brain-based taxonomy for mental disorder", November 17.

2017 University of Minnesota. Department of Psychiatry Grand Rounds. "Precision Psychiatry: Using human neuroscience insights to guide clinical decisions", May 3.

2017 Laureate Institute for Brain Research, Tulsa. William K. Warren Frontiers in Neuroscience conference series keynote. "Neuroscience Informed Precision Psychiatry", August 7.

2018 NIH Science of Behavior Change Steering Committee and External Scientific Panel Meeting. "Engaging Self-Regulation Targets to Understand the Mechanisms of Behavior Change and Improve Mood and Weight Outcomes". January 10, NIH Bethesda, DC.

2018 University of Miami. Department of Psychiatry Grand Rounds. "Neuroscience-informed Precision Psychiatry". January 17.

2018 University of California San Francisco. Department of Psychiatry Grand Rounds. “Neuroscience-informed Precision Psychiatry for Mood Disorders”, May 18, San Francisco.

2018 Invited (by NIH) panel presentation at the 4th Annual BRAIN Initiative Investigators Meeting. “Quantifying targets for non-invasive network modulation”. April 10, 2018. Bethesda, DC.

2018 Invited to present in the NIMH Director’s research-track symposium at the American Psychiatric Association (APA) conference: “Big Data in Mental Health”. Michele Ferrante (Chair). Presentation title: Big Data in Mental Health: Identifying types of depression and anxiety. Symposium co-presenters: Bing Brunton, Justin Taylor, Raquel E. Gur, Alik Widge. May 9, New York City.

2018 Invited presentation in the American Society of Neuroradiology (ASNR) 56th Annual Meeting and The Foundation of the ASNR Symposium: “Value of Neuroimaging for Psychiatric Disorders”. Presentation title: Psychiatric Disorders: The Human Disconnectome? June 4, Vancouver, Canada.

2019 Fortune Brainstorm Healthy Conference, “Where Mental Health Meets Technology”. April 3, San Diego, CA.

2019 Stanford Psychiatry and Behavioral Sciences, “Neuroscience and Computation Informed Precision Psychiatry”, Co-presenters John Leikauf and Daniel Rubin. June 20, Stanford CA.

2020 Stony Brook University, Center for Affective Neuroscience of Depression and Anxiety (CANDA), “Neuroscience-informed precision psychiatry for depression and anxiety”. November 5, virtual presentation and meetings with students and faculty.

2020 Neurocognitive Therapies and Translational Research (NTTR) Webinar Series organized by NTTR Special Interest Group at the Association for Behavioral and Cognitive Therapies (ABCT) in partnership with the University of Pittsburgh Medical Center. Presentation: “Neuroscience-Informed Precision Psychiatry”, December 15, virtual.

2021 NIH Science of Behavior Change (SOBC) Capstone Research Conference Webinar “Ten Years of the Science of Behavior Change Common Fund Program: Celebrating Accomplishments and Looking to the Future”, Panel 3: Early Clinical Investigation of Mechanisms of Behavior Change. Presentation “Behavioural intervention modifies neural circuit function to mediate depression and problem-solving outcomes”, February 22, virtual.

2021 Stanford Medicine Grand Rounds: “Are we prepared for the long-term clinical consequences of the COVID pandemic? Clinical and Neurocognitive Aspects of Long Haul COVID”. Co-presenter: Dr. Aruna Subramanian, Clinical Professor, Chief – Immunocompromised Host Infectious Diseases, Stanford. April 7, virtual.

2021 University of Illinois at Chicago Grand Rounds: "Precision Mental Health Informed by Neuroscience". May 19, virtual.

2021 Stanford Center for Precision Mental Health and Wellness Anniversary Symposium “The promise of precision health for prevention, early detection, and treatment in mental health”, presentation titled “Precision Mental Health: Using Neuroscience Insights to Inform Personally Tailored, Measurement-Based Care”, September 24, virtual.

2021 University of Oxford Artificial Intelligence and Machine Learning for Mental Health seminar series, presentation titled “Mapping symptoms, circuits and treatment outcomes: Development of a personalized clinical imaging system and its initial validation in depression and anxiety”, November 9, virtual.

2022 Johns Hopkins University School of Medicine, Psychiatry Research Seminar Series, presentation titled “Circuit-symptom biotypes for depression, anxiety and treatment response”, May 17, virtual.

2022 Columbia University Grand Rounds, presentation titled “Precision psychiatry in depression: A focus on neural circuits and treatments”, June 29, virtual.

2022 University of Pittsburgh Grand Rounds, presentation titled “Circuit-symptom biotypes for depression and treatment response”, Oct 21, virtual.

2023 Institute of Cognitive Neuroscience of the University College London seminar series, presentation titled "Precision Psychiatry: Biotypes for personalized therapeutics", Mar 20, virtual.

2023 University of Alabama at Birmingham Psychiatry Department Grand Rounds, presentation titled "Precision Mental Health and Biotyping for Mental Disorders", May 23, virtual.

2023 Duke Psychiatry Grand Rounds, presentation titled "Precision Therapeutics: From Circuit Biotypes to Personalized Interventions", June 8, virtual.

2023 Stark Neurosciences Research Institute's Seminar Series, presentation titled "Circuit-symptom biotypes for depression and treatment response", October 19, virtual.

2023 University of Pennsylvania Psychiatry Grand Rounds, presentation titled "Precision Therapeutics: From Circuit Biotypes to Personalized Interventions", November 2, virtual.

2024 Global Neuropsychiatry Group – International Neuropsychiatric Association webinar series, presentation titled "New visions for mental healthcare: using neuroscience to personalize treatments", March 28, virtual.

2025 Presentation at the Division of Psychotherapy, Department of Psychiatry, Icahn School of Medicine at Mount Sinai, "Precision Mental Health: For application in psychiatry", February 25, virtual.

2025 Weill Cornell Medicine Psychiatry Grand Rounds - The Samuel W. Perry III, MD Memorial Lecture, presentation titled "Precision Psychiatry: Tailoring Depression Treatment with Brain Circuit Biotypes", February 26, virtual.

2025 University of Minnesota NeuroPRSMH presentation titled "Tailoring Depression Treatment with Brain Circuit Biotypes", May 2, virtual.

2025 Emory School of Medicine, Psychiatry Grand Rounds, "Precision Mental Health: Using imaging to align the right treatment for the right person", June 25, virtual.

2025 Yale Psychiatry Grand Rounds, "Precision Neuroscience in Psychiatry", October 24, virtual

2025 Beth Israel Deaconess Medical Center – Harvard Medical School Psychiatry Grand Rounds, "Precision Psychiatry: Mapping Brain Circuits to Guide Personalized Treatment", November 20, virtual.

2026 University of Pennsylvania Center for Brain Imaging and Stimulation (CBIS) CNDS/CBIS/brainSTIM Neuromodulation and Neuroimaging Relevant to Affective Disorders Speaker Series, "Imaging-derived circuit biotypes to improve treatment outcomes in depression", February 11, virtual.

Invited presentations to communicate the research impact to wider audiences

2000 Inaugural 'Matter to Mind' Conference, Institute of Psychiatry and Maudsley Hospital. Emotion Perception in Schizophrenia: Integrating Central and Autonomic Nervous System Measures, Institute of Psychiatry, London, UK, September 30.

2001 NIMH workshop, 'Integrative Neurobiology', University of Chicago-Illinois Medical Center. "Integrating fMRI and ANS Measures", Chicago, June 23-30.

2001 Invited symposium on functional Brain Mapping for psychiatry, Melbourne, May 12.

2002 Australasian Skeptics' conference. 'A Cognitive neuroscience perspective', October 5.

2002 Keynote: NSW Clubs 'Towards a Better Future' Conference on problem gaming, "Brain imaging and Problem Gambling", Fairmont Resort, Leura, Blue Mountains, Australia, May 7.

2004 Queensland Brain Institute. "The cognitive neuroscience of fear systems underlying trauma reactions". October 6.

2004 Australasian & New Zealand Association of Psychotherapists. "Understanding trauma from a neuroscience perspective", Sydney, October 31.

2004 Workshop on brain function and individual differences in sleep. Woolcock Institute. “Integrative neuroscience and implications for sleep”. Sydney. November 18.

2005 Eli-Lilly. ‘A Standardized Approach to Brain Imaging’, Indianapolis, August 16.

2006 Westmead Hospital Psychotherapy Training program seminar series. “The Emotional Brain: Nonconscious Perception and Trauma”, September 3.

2006 Pfizer Australia fellowship program. “Functional brain markers of schizophrenia and ADHD”, Melbourne, November 20.

2006 Platform. Youth Health Conference (state government funded). “The impact of development on the emotional brain”. Sydney, November 15.

2006 fMRI Experience Conference. “Using fMRI to understand schizophrenia as a disorder of brain system integration”, Melbourne, June 30.

2007 Westmead Hospital Psychotherapy Training program seminar series. “The Emotional Brain and Trauma”, April 26.

2007 Rivendell Psychiatric Center, Concord Hospital seminar series. “Brain imaging in early schizophrenia”, September 4.

2007 Pfizer Australia fellowship program. “Missing links’: Functional brain markers of schizophrenia”, Sydney, November 26.

2008 Pfizer Australia fellowship program. “Identifying Integrative Markers of psychiatric disorder and treatment”, Sydney, November 25.

2009 Special seminar, hosted by Australian and New Zealand Association of Psychotherapy. “Understanding the emotional brain”. Australian Museum, Sydney, August 8.

2014 Center for Innovation to Implementation forum event. “Personalizing neuroscience in primary care and community settings: Pragmatic trials of depression and anxiety”, May 27.

2014 VA San Francisco, NCIRE (The Veteran’s Health Research Institute”). Hosted by Tom Neylan, MD).“Personalized Neuroscience”, January 21.

2017 Stanford 3rd Annual Innovations in Psychiatry and Behavioral Health: Virtual Reality and Behavior Change. “VR, Brain Circuits and Precision Psychiatry – Targeting Depression”, October 6.

2018 Stanford Big Data in Precision Health conference. “Precision Mental Health”, May 24.

2018 Stanford Medicine Board of Fellows. “Precision Mental Health”, June 19.

2018 Stanford Catalyst for Collaborative Solutions. “Effective, Scalable, and Affordable Strategies for Mental Health”, May 29.

2018 Presentation and Participant in Stanford's Mood Disorders Education Day. In session on “Using Neuroscience in the Pursuit of Precision Medicine, July 14.

2018 Brain Mind Summit presentation. “Envisioning the Brain Mind Clinic Lab of the Future”, September 8.

2018 Second Annual Symposium of Stanford Precision Health for Ethnic and Racial Equity (SPHERE). “Precision Mental Health”, September 20.

2018 Stanford LeadWell Network: Bringing Depression Out of the Dark, Stanford, November 15.

2019 Stanford extends warm welcome to visitors during Family Weekend, February 20. “Empowering Yourself: Knowing Your Own Brain”. https://news.stanford.edu/.../stanford-extends-warm-welcome-visitors-family-weekend

2021 Stanford Wearable Electronics Initiative, eWEAR Symposium presentation: “Personalized neuroscience for developing mental health applications”, February 25.

2021 Stanford AI + Health online conference, panel presentation "AI + Mental Health: Towards Improved Treatment Quality". Other presenters: Adam Miner, Leonardo Tozzi. December 9.

2024 Frontiers in Medicine, Stanford Medicine's annual event: 'AI in Bloom, A New Age in Human Health'. Presentation titled "Precision Mental Health: Personalizing Treatments", Stanford, September 19.

2025 Stanford Center for Artificial Intelligence in Medicine & Imaging (AIMI) Academic x Industry Summit. Presentation titled "Imaging and AI for Precision Mental Health", Stanford, October 22.

Invited seminar presentations

2009 Cornell University. "Using an Integrative Neuroscience to link brain and clinical outcomes in aging and psychiatry disorder", November 9.

2009 Cornell University. Sackler Institute. "Integrative Neuroscience and psychiatry", December 1.

2011 Stanford University. Research Laboratory for the Study of Behavioral Medicine, Psychiatry and Behavioral Sciences. "A platform for brain health", June 10.

2012 Stanford University Psychiatry and Behavioral Sciences Grand Rounds. "Biomarker predictors for treatment response in depression", October 25.

2012 Stanford University. Center for Interdisciplinary Brain Sciences Research, Psychiatry and Behavioral Science. "Emotion circuits in children and adolescents; attention, anxiety and treatment prediction", June 5.

2014 Center for Innovation to Implementation forum event. "Personalizing neuroscience in primary care and community settings: Pragmatic trials of depression and anxiety", May 27.

2014 VA San Francisco, NCIRE (The Veteran's Health Research Institute"). Hosted by Tom Neylan, MD. "Personalized Neuroscience", January 21.

2015 Stanford's Developmental Trauma Special Interest Group (DTSIG). "Childhood trauma and its impact on emotional brain circuits, mood disorder and treatment outcomes", August 11.

2020 University of Pennsylvania, Mahoney Institute of Neuroscience Seminar Series (Student-Elected Speaker), "Neuroscience-Informed Precision Psychiatry for Mood Disorders", November 4.

PEER-REVIEWED PANEL AND SYMPOSIUM PRESENTATIONS

Chronological order

2002 Opening symposium. International Congress of Psychophysiology, 'Towards an Integrated Model of Orienting and Emotion'. Montreal, July 29.

2004 Panel presentation. "Data Analysis that Takes More than One Paradigm in the Experimental Design". 10th Annual Meeting of the Organization for Human Brain Mapping, Brain and Behaviour: Budapest, Hungary, June 13.

2006 Symposium. Australasian Society for Psychiatric Research (ASPR) Conference. "Integrative Neuroscience and Psychiatry": Identifying cognitive, affective and brainwave markers of psychiatric disorder, Sydney, December 8.

2006 Symposium. International Neuropsychiatry Association conference. "Functional Connectivity Distinguishes Level of Awareness for Emotionally Significant Stimuli: fMRI and Gamma Synchrony in the Healthy Brain and Psychosis". Sydney, September 11.

2006 Symposium. International Neuropsychiatry Association Conference. "Integrating Cognitive and Affective Markers of ADHD". Sydney, September 13.

2007 Symposium. International Congress on Schizophrenia Research. "Too much or too little?: High frequency neural synchrony in schizophrenia, Colorado Springs, March 28.

2009 Panel presentation. American College of Neuropsychopharmacology 48th Annual Meeting." The Application of Gene-Brain-Behavior Markers of Emotion in Anxiety, Depression and ADHD, in Panel on 'The Emotional Brain: Integrating Basic Knowledge & Translation into Novel Therapeutic Approaches for Anxiety in Major Depressive Disorder (MDD), Post-traumatic Stress Disorder (PTSD) & Attention Deficit Hyperactivity Disorder (ADHD). December 6.

2009 Panel presentation. American College of Neuropsychopharmacology 48th Annual Meeting. BDNFVal66Met, Stress and Emotional Brain Systems: Pathways in Risk for Depression, in Panel on 'Deciphering the Impact of BDNF V66M'. December 8.

2010 Symposium. Society for Neuroscience. "Neural Basis of Emotional States", San Diego, November 15.

2011 Panel presentation. ISSPD. International Society on the Study of Personality Disorders (ISSPD) "Loss of Self-Regulation in Borderline Personality Disorder: A Brain Basis in Neural 'Dis-Integration", Melbourne, March 2.

2011 Symposium. American Psychiatric Association. Markers for depression. Presentation on "International Study to Predict Optimized Treatment in Depression: iSPOT-D".

2012 Symposium. Society of Biological Psychiatry. "Emotion and cognition in schizophrenia: Integrating psychophysiology, imaging and behavior". Chair and presenter, with Deanna Barch (Washington U), Paul Fletcher (Cambridge U) and Cameron Carter (UC Davis).

2012 Symposium. NCDEU - American Society of Psychopharmacology. "Prefrontal dysfunction in major depression: Preliminary functional magnetic resonance imaging results". Arizona, June 1.

2013 Symposium. Society of Biological Psychiatry. "Toward Personalizing Treatment for Depression: New Imaging and Physiological Findings". With Gerry Bruder (Chair, Columbia U), Helen Mayberg (Emory U) and Amit Etkin (Stanford U). May 17.

2013 Symposium. American Psychiatric Association. "Using biomarkers to select treatments: An illustration from the international study to predict optimized treatment for depression (iSPOT-D)". With Alan Schatzberg (Chair, Stanford U), A. John Rush (Discussant, National U of Singapore), Charles Debattista (Stanford U), Amit Etkin (Stanford U) and Radu Saveanu (Miami U), May 19.

2014 Symposium (Co-Chair). American Psychiatric Association. "Circuits for cognition and emotion predict treatment outcomes in the iSPOT-D study of major depressive disorder". With Alan Schatzberg (Chair, Stanford), Radu Saveanu (Miami U) and Evian Gordon (Brain Resource).

2014 Symposium (Chair). Society of Biological Psychiatry. "Dimensions of negative emotional states defined by circuits, genetics and behavior". With Ian Gotlib (co-Chair, Stanford), Brandon Gibb (Binghamtom University), Ruben Gur (U Penn) and Bruce Cuthbert, NIMH Director of the RDoC Unit (Discussant). May 10, New York City.

2015 Symposium. Society of Biological Psychiatry. "New Findings and Future Outlooks from Studies of Biomarkers for Precision Medicine in Affective Disorders (MDD and Mania)". Martijn Arns (Chair) and Gerard Bruder (Co-Chair) with co-presenters Arns (BrainClinics, Netherlands), Gerard Bruder (Columbia University), Mayuresh Korgaonkar (University of Sydney) and Ulrich Hegerl (University Hospital, Leipzig). Presentation title: Pre-treatment Brain MRI Measures to Identify Individuals Who Will and Will Not Remit During Acute Phase Treatment With Anti-depressant Medications - Results From the iSPOT-D Study (presenter Korgaonkar; senior author Williams). May 14, Toronto, Canada.

2015 Symposium. Society of Biological Psychiatry. "Stress and the Developing Brain: Pathways to Demise and Resilience". Justine Gatt (Chair) and Cyndi Shannon-Weickert (Co-Chair). Co-presenters Cyndi Shannon Weickert (NeuRA and University of NSW, Sydney), Rhoshel Lenroot ((NeuRA and University of NSW, Sydney) and Kim Felmingham (University of Tasmania). Presentation title: Wellbeing and Resilience in the Healthy Twin Brain (presenter, Gatt, senior author, Williams). May 15, Toronto, Canada.

2015 Symposium. Society of Biological Psychiatry. "Allelic Variation in CRH-R1 SNP's as Biomarkers for Depression and Anxiety". Alan Schatzberg (Chair) and Ned Kalin (co-Chair). With co-presenters Ned Kalin (co-Chair, Wisconsin), Alan Schatzberg (Stanford) and David Hsu (Stony Brook); Presentation title: rs110402 Variation Mediates Neural Activation to Emotional Faces and Response to Treatment. May 15, Toronto, Canada.

2015 Symposium. Anxiety and Depression Association of America. "What Will RDoC Studies of Negative Valence Systems Tell Us About Anxiety and Depression?" John Hettema, MD, PhD and Scott Langenecker, PhD. Co-Presenters. John Hettema (Virginia Commonwealth University), Harold H. Goldsmith, PhD (University of Wisconsin – Madison), Stewart Shankman, PhD (University of Illinois at Chicago, Scott Langenecker, PhD, (University of Illinois at Chicago) and Peter Lang, PhD (University of Florida). Presentation title: "A Translational Model of Negative Emotion States". Discussant: Holly Garriock, PhD, National Institute of Mental Health. April 11, Miami.

2015 Symposium. American Psychological Society, "A Psychological Perspective on the RDoC Initiative". Benjamin B. Lahey (Chair). Co-Presenters Ben Lahey (University of Chicago), David Zald (Vanderbilt University). Discussant: Uma Vaidyanathan (National Institutes of Mental Health, RDoC Unit). Presentation title: Developing a dimensional neural circuit model of depression and anxiety. May 21, New York.

2016 Symposium, Society of Biological Psychiatry, "Neural and Behavioral Correlates of Impaired Emotion Regulation in Mood, Anxiety and Personality Disorders and Their Implications for Treatment". Presentation title: Emotional Reactivity and Regulation in Proband with Major Depressive Disorder and their Relatives: Implications for Treatment and Disease Risk. May 14, Atlanta.

2016 Symposium, International Society for Psychoendocrinology (ISPNE). "Stress, Hedonic Processes and Neuroplasticity" Ned Kalin and Aaron Heller (co-Chairs). Co-presenters: Elaine Walker (Emory University), Aaron Heller (Miami University), Alan Schatzberg (Stanford University), Ned Kalin (University of Wisconsin). Presentation title: CRH Genotypes Moderate Neural Circuits, Cognitive Emotional Function and Response to Antidepressants, September 10, Miami.

2016 Panel presentation. American College of Neuropsychopharmacology 55th Annual Meeting. Identifying a reward dysfunction biotype of anhedonia by functional imaging, neurocognition and intervention outcomes, in Panel on 'Identifying Multimodal Imaging Biomarkers and Treatment Targets for aberrant, Transdiagnostic Behaviors Associated with Abnormal Reward Circuitry Function". Panel Co-Chairs LM Williams and LM Phillips. Other presenters: R. Kaiser, D. Zald.

2017 Hot topics presentation. American College of Neuropsychopharmacology 56th Annual Meeting. "Clustering Identifies Symptom-Brain-Behavior Subtypes That Cut Across Mood, Anxiety and Trauma Disorders", December 3, Palm Springs.

2018 Symposium, Anxiety and Depression Association of America (ADAA). "Prediction of Treatment Response in Major Depression". Charlie Nemeroff and Ed Craighead (co-Chairs). Presentation title: Brain, Behavior and Gene Predictors of Antidepressant Treatment Outcomes in an International Personalized Medicine Biomarker Study. April 6, Washington DC.

2018 Symposium, Society of Biological Psychiatry (SOBP). "Bayesian Multi-Level Approaches for Integrating Psychiatric Data across Units of Analyses". Martin Paulus (Chair). Presentation title: Integrating Brain-Behavior Data to Identify Clinically Meaningful Biotypes for Depression and Anxiety. May 12, New York City.

2019 Faculty Presentation. University of Illinois Chicago. Neuroscience-informed Behavior Change. May 15, Chicago.

2019 Panel Presentation. American Psychiatric Association Annual Meeting. Neuroscience-informed Precision Psychiatry. Panel Chair Leanne M. Williams, co-presenter Laura M. Hack. May 22, San Francisco.

2019 Panel presentation at the 58th American College of Neuropsychopharmacology annual meeting. "Clusters of Canonical Neural Circuit Dysfunction are Distinguished by Symptom and Treatment Profiles" in the panel titled: "Novel Extensions of Computational Psychiatry to Decode Treatment Targets in Depression and Anxiety". Other presenters: Rebecca Price (Chair), Marta Pecina (Co-Chair), Diego Pizzagalli. December 8, Orlando.

2019 Invited Plenary in the Neuropsychopharmacology Presidential panel at the 58th American College of Neuropsychopharmacology annual meeting. "Integrating Sleep, Neuroimaging, and Computational Approaches for Precision Psychiatry". In "Sleep and Neuropsychiatric Illness". Panel co-chairs Luis de Lecea, John Winkelman. Other plenary presenters: Gordon Feld, George Koob, Andrew Krystal. December 9, Orlando.

2019 Co-Chair and Panel co-presenter at the 58th American College of Neuropsychopharmacology annual meeting. "Using Human Connectome Imaging Within an RDoC Framework to Characterize Disordered Emotional States" in Panel titled: "Multimodal Imaging Results From the Four Human Connectome Projects (HCP) Examining Dimensions of Anxious Misery". Other presenters: Yvette Sheline (Co-Chair), Susan Whitfield-Gabrieli, Leonardo Tozzi, Benjamin Wade. December 10, Orlando.

2020 Co-Chair with Kerry Ressler (Chair) at the 59th American College of Neuropsychopharmacology annual meeting NPPR Panel titled “Big Data in Psychiatry: Computational Modeling, Multiomics, Biotyping, and Digital Phenotyping”. Presenters: Lisa Marsch, Matthew State, Deanna Barch, Quentin Huys. December 7, virtual.

2020 Chair and Study Group presenter at the 59th American College of Neuropsychopharmacology annual meeting Study Group titled “New Nosological Approaches: Competing or Complementary”. Other presenters: Carlos Blanco (Co-Chair), Antonia Kaczkurkin, Roman Kotov, Bob Krueger, Bruce Cuthbert. December 9, virtual.

2021 Invited talk at the GE Lunch Symposium at ISMRM 2021 (International Society for Magnetic Resonance in Medicine), title: “Insights into Psychiatric Disorders with Ultra High Performance Gradients”. Co-Presenter: Adam Kerr. May 19, virtual.

2021 Panel presentation at the 60th American College of Neuropsychopharmacology annual meeting. “Mapping Dimensions of Neural Circuits to Symptoms, Behaviors and Treatments Across Mood and Anxiety Disorders” in the panel titled “The RDoC Paradigm: Advances in the Study of Brain/Behavioral Mechanisms”. Other presenters: Williams Carpenter (Chair), Jenni Pacheco (Co-Chair), Aristotle Voineskos, Annmarie MacNamara, Andreas Meyer-Lindenberg. December 7, virtual.

2022 Symposium, Society of Biological Psychiatry (SOBP). “Predicting Antidepressant Response Using Symptom-Specific Functional Connectomics”. Katharine Duplop (Chair), Conor Liston (Co-Chair). Presentation title: “Mapping Brain Circuit Function to Symptoms and Behavioral Dimensions of Depression and Anxiety”. April 30, New Orleans, LA.

2023 Presentation at the Inaugural Bay Area Psychedelic Science Symposium, title: “The Doors of Precision: Personalizing psychedelics based on brain circuits and experiences”, March 16, Stanford.

2023 Symposium Chair at the annual meeting of the Society of Biological Psychiatry (SOBP), “Identifying and Targeting Neural Network Abnormalities in Mood and Stress-Related Disorders Using Neural Network, Novel Neuromodulatory and Selective Therapeutic Approaches”, April 27, San Diego.

2023 Plenary presentation at the annual meeting of the Society of Biological Psychiatry (SOBP), Plenary II: Precision Healing. Presentation title: “Precision Therapeutics: From Circuit Biotypes to Personalized Interventions”, April 28, San Diego.

2023 Panel presentation at the 62nd American College of Neuropsychopharmacology annual meeting. “Integrating Neural Circuit and Behavioral Measures to Define and Personalize Treatments for a Cognitive Biotype of Depression” in the panel titled ‘Connecting Neural and Digital Signatures of Affective Disorders: Opportunities for Personalized Measurement and Intervention in the Era of Precision Psychiatry’. Other presenters: Alex Leow (Chair), Loran Knol, Randy Auerbach, Olusola Ajilore. December 4, Tampa, FL.

2026 Neuroscience for Primetime symposium at the annual meeting of the Society of Biological Psychiatry (SOBP). Xxx Other presenters: Kate Webb and Corinde Wiers. April 30, New York, NY.

PUBLISHED CONFERENCE ABSTRACTS

Chronological order

1. **Williams LM**, Irwin H (1991). A Study of Paranormal Belief and Magical Ideation as an Index of Schizotypy, and Cognitive Style. Personality and Individual Differences, 12(12), 1339-1348. doi: 10.1016/0191-8869(91)90210-3
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3. **Williams LM** (1996). A Cluster Analytic Study of the Personality Disposition to Schizophrenia. Australian Journal of Psychology, 48 Suppl, S151.
4. Phillips ML, **Williams LM**, Senior C, Bullmore ET, Brammer M, Andrew C, Williams SCR, David AS (1999). An Investigation of the Neural Correlates of Threat Perception in Paranoid Schizophrenia: an fMRI Study. Schizophrenia Research, 36, S230.
5. **Williams LM**, Loughland CM, Gordon E (1999). Visual Scanpaths and Recognition of Positive and Negative Facial Emotions in Schizophrenia. Schizophrenia Research, 36, S268.
6. Lee K, Gordon E, **Williams LM**, Haig A, Goldberg E (1999). Novelty and Routinization Dysfunction in Schizophrenia: a 40 Hz Gamma Study. Journal of Applied Health Behaviour, 1(2), S60-61.
7. **Williams LM**, Brammer MJ, Skerrett D, Lagopolous J, Rennie C, Peduto A, Gordon E (2000). Neural Activity Associated with Electrodermal Orienting: An Integrated fMRI and GSR Study. Psychophysiology, 37 (Supplement), S105.
8. **Williams LM**, Rennie C, Lagopolous J, Brammer MJ, Phillips ML, Bahramali H, Olivieri G, Peduto A, Gordon E (2000). The Influence of Electrodermal Orienting on Simultaneously Recorded Neural Activity: An fMRI Study of Emotion Perception. Psychophysiology, 37 (Supplement), S11.
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12. **Williams LM**, Rennie C, Lagopolous J, Brammer MJ, Bahramali H, Phillips M, Olivieri G, Peduto A, Gordon E (2000). Influence of Electrodermal Orienting on Simultaneously Recorded Neural Activity: An fMRI Study of Emotion Perception. Psychophysiology, 37 (Suppl 1), S11.
13. Lee K-H, Gordon E, **Williams LM**, Haig A (2000). Disturbance of Synchronous Gamma Activity in Schizophrenia. Psychophysiology, 37 (Suppl), S60.
14. Marsh PJ, Lazzaro I, Harris, AWF, **Williams LM**, Gordon E (2000). Can ADHD and First-Episode Schizophrenia in Adolescents be Distinguished by Psychophysiological Measures of Arousal and Attention? Psychophysiology, 37 (Suppl), S66.
15. Lee K-H, **Williams LM**, Haig A, Gordon E (2000). Synchronous Gamma Activity and Syndromes in Schizophrenia. Journal of Applied Health Behaviour.
16. Marsh PJ, Lazzaro I, Harris, AWF, **Williams LM**, Davidson, D, Gordon E (2000). Can Patterns of Visual Scanning of Facial Affect differentiate Attention-Deficit HyperActivity Disorder and First-Episode Schizophrenia in Adolescents? Australian Journal of Psychology.
17. Loughland CM, **Williams LM** (2000). Scanpath Aberrations to Faces and Facial Expression: How Specific is these to Schizophrenia? Journal of Applied Health Behaviour.

18. Manor B, Gordon E, **Williams LM** (2000). Facial Affect and Visual Scanning Patterns in Schizophrenia. International Journal of Psychophysiology, 35(1), S32.
19. Marsh PJ, Lazzaro I, Manor BR, Harris AWF, **Williams LM**, Gordon E, Davidson D (2000). Facial Expressions of Emotion and Visual Scanpaths in Attention-Deficit HyperActivity Disorder (ADHD) and First-Episode Psychosis (FEP). International Journal of Psychophysiology, 35(1), S69.
20. Lee K, Gordon E, **Williams LM**, Haig A, Goldberg E (2000). Novelty and Routinization in Schizophrenia: A 40Hz Gamma Study. International Journal of Psychophysiology, 35(1), S47.
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31. Lee KH, **Williams LM** (2000). Eye movement Dysfunction as a Biological Marker of Risk for Schizophrenia. Australian and New Zealand Journal of Psychiatry, 34 Suppl, S91-100. PMID: 11129321.
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34. Green MJ, **Williams LM**, Davidson DJ (2001). Visual Scan Paths to Faces in Schizophrenia: State or Trait-Linked Aberrations? Schizophrenia Research, 49, S215.
35. Green MJ, **Williams LM** (2001). In the Face of Danger: Visual Scan Paths to Threat-Related Facial Expressions and Relations with Delusion-Proneness. Australian Journal of Psychology, 53(2), 121.
36. Lee K-H, **Williams LM**, Haig A, Gordon E (2001). Gamma (40 Hz) Phase Synchronicity and Symptom Dimensions in Schizophrenia. Schizophrenia Research, 49, S205.

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