

Curriculum Vitae
Lei Wang, Ph.D.

PERSONAL INFORMATION

Present Position Professor with Tenure
The Ohio State University Wexner Medical Center
Adjunct Professor, Northwestern University Feinberg School of Medicine

Office Address The Ohio State University Wexner Medical Center
Department of Psychiatry and Behavioral Health
Evans Hall 124E, 520 King Ave
Columbus, OH, 43202

EDUCATION

1986 - 1990 B.S., Electrical Engineering *with Honors*, University of Maryland at College Park,
Magna Cum Laude
1990 - 1992 S.M., Engineering Science, Harvard University
1992 - 1996 Ph.D., Engineering Science, Harvard University

POSTDOCTORAL RESEARCH TRAINING

1996 – 1998 Center for Imaging Science, Department of Electrical Engineering, Washington
University in St. Louis, Mentor: Dr. Michael I. Miller

FACULTY APPOINTMENTS

2004 – 2005 Research Instructor, Department of Psychiatry, Washington University School of
Medicine
2005 – 2008 Research Assistant Professor, Department of Psychiatry, WUSM
2008 – 2017 Assistant Professor, Department of Psychiatry and Behavioral Sciences, Northwestern
University Feinberg School of Medicine
2008 – 2017 Assistant Professor, Department of Radiology, NUFSM
2009 – 2020 Core Faculty, Department of Psychiatry and Behavioral Sciences, Division of
Psychology, NUFSM
2017 – 2020 Associate Professor with Tenure, Department of Psychiatry and Behavioral Sciences,
NUFSM
2017 – 2020 Associate Professor with Tenure, Department of Radiology, NUFSM
2020 – Adjunct Associate Professor, Department of Psychiatry and Behavioral Sciences,
NUFSM
2020 – Professor with Tenure, Department of Psychiatry and Behavioral Health, Ohio State
University Wexner Medical Center
2020 – Professor, Department of Neuroscience, OSUWMC
2021 – Director, Strategy and New Initiatives in Diversity, Equity and Inclusion, Department of
Psychiatry and Behavioral Health, OSUWMC

COMMITTEE SERVICE

External

- 2010 – 2020 External Advisory Board, F. M. Kirby Research Center, Johns Hopkins University
 2010 – 2016 Delphi Panel Member, A Harmonized Protocol For Hippocampal Volumetry: An EADC-ADNI Effort
 2013 – 2016 Technical Advisory Committee Member, Expansion Project of the EADC-ADNI Hippocampal Harmonization Effort
 2013 – Steering Committee (Chair 2015 – 2017), The Hippocampal Subfield Group (HSG)
 2013 – 2015 Conference Committee, International Society for Frontotemporal Dementias
 2016 – 2018 Education and Training Committee, American College of Neuropsychopharmacology (ACNP)
 2018 – 2020 Scientific Leadership Group, NIH Pediatric HIV/AIDS Cohort Study (PHACS)
 2019 – 2021 Program Committee, ACNP
 2020 – Leadership Group, NIH Pediatric HIV/AIDS Cohort Study (PHACS)
 2020 – Scientific Leadership Committee, NIH Pediatric HIV/AIDS Cohort Study (PHACS)

Northwestern University/Feinberg School of Medicine

- 2008 – 2020 Chair, Executive Committee, Northwestern University Neuroimaging Data Archive (NUNDA)
 2008 – 2011 Steering Committee, Center for Advanced MRI
 2011 – 2020 Steering Committee, Center for Translational Imaging Human MRI
 2011 – 2020 Steering Committee, Center of Translational Imaging Animal MRI Subdivision
 2011 – 2014 Junior Faculty Research Advisory Council
 2014 – 2020 Executive Committee, T32 Training Grant in Gastrointestinal Physiology and Psychology, Keefer, Pandolfino, Directors, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
 2015 – 2020 Admissions Committee, Medical Scientist Training Program (MSTP)
 2015 Faculty Search Committee, Radiology and Biomedical Engineering
 2017 – 2020 Steering Committee, Institute for Innovations in Developmental Sciences (DevSci) Neurodevelopmental Resource Core
 2018 Faculty Search Committee, Equity Representative, Mesulam Center for Cognitive Neurology and Alzheimer's Disease
 2018 Faculty Search Committee, Medical Social Sciences
 2019 – 2020 Chair, Advisory Committee, Center for Translational Imaging Neuroimaging Core
 2009 – 2020 Administrative Council/Education & Training Committee, Division of Psychology
 2009 – 2020 Grand Rounds Committee
 2015 Department Internal Review Committee
 2015 Neuroradiology Section Chief Search Committee, Radiology
 2016 – 2020 Research Committee, Co-Chair
 2017 Faculty Search Committee, Co-Chair
 2020 – 2020 Research Executive Committee

The Ohio State University/College of Medicine/Wexner Medical Center

- 2021 – Steering Committee, Center for Cognitive and Behavioral Brain Imaging
 2021 – Co-chair, Talk Series and Outreach Committee, CCBBI

Department of Psychiatry and Behavioral Health, OSUWMC

- 2020 – Department Research Council

AWARDS, HONORS, DISTINCTIONS

- 1989 Elected to Eta Kappa Nu, National Electrical Engineering Honorary Society

1989	Certificate of Scholarship, University of Maryland
1989	Senior Summer Scholarship, University of Maryland
1988 – 1990	Undergraduate Research Fellowship, Systems Research Center, University of Maryland
1990	Engineering Honors, University of Maryland
1991 – 1995	Graduate Research Fellowship, Harvard University, Fellowship, Harvard University
2012	Ken and Ruth Davee Award for Innovative Investigations in Affective Disorders
2014	Elected to American College of Neuropsychopharmacology (ACNP), Member
2017	Elected to Canadian Institutes of Health Research (CIHR) College of Reviewers
2017	IDP Foundation Research Innovation Challenge Award
2017, 2018	Outstanding Teacher Award, Northwestern University Feinberg School of Medicine
2018	Elected to American College of Neuropsychopharmacology (ACNP), Fellow
2020 – 2024	NIH Emerging Imaging Technologies in Neuroscience Study Section, Standing Member
2021	Selected for Ohio State University Faculty Leadership Institute

PROFESSIONAL SOCIETY MEMBERSHIPS

American College of Neuropsychopharmacology (ACNP, Elected)
 Society for Neuroscience (SFN)
 Organization of Human Brain Mapping (OHBM)
 International Society for Frontotemporal Dementias (ISFTD)
 International Society to Advance Alzheimer's Research and Treatment (ISTAART)
 Canadian Institutes of Health Research (CIHR) College of Reviewers (Elected)

PROFESSIONAL and SCIENTIFIC SERVICE

Conference Review

2011	Abstract Reviewer, International Conference of Computer Science (ICCS)
2011	Reviewer, Alzheimer Association International Conference Best Paper Award
2013 –	Abstract Reviewer, Annual Meeting of the Organization for Human Brain Mapping
2013	Abstract Reviewer, Alzheimer's Association International Conference

Journal Review

Alzheimer Disease and Associated Disorders
Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring
Biological Psychiatry
Brain Connectivity
Brain Imaging and Behavior
Cerebral Cortex
CNS Spectrums
Computational and Mathematical Methods in Medicine
Dementia and Geriatric Cognitive Disorders
Eurographics Workshop on Visual Computing for Biology & Medicine
Frontiers of Neuroscience
Hippocampus
Human Brain Mapping
IEEE Transaction on Medical Imaging
IEEE Transaction on Robotics and Automation
IEEE Signal Processing Letters
International Journal of Psychophysiology
JAMA Psychiatry
Journal of Alzheimer Disease

Journal of Neurology and Psychology
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Visualized Experiments
Nature Communications
Nature Scientific Reports
Neurobiology of Aging
Neurobiology of Disease
Neurodegenerative Diseases
NeuroImage
NeuroImage: Clinical
Neurology
Neuroscience & Biobehavioral Reviews
Neuropsychologia
PLoS ONE
Psychiatry Research
Progress in Neuro-Psychopharmacology & Biological Psychiatry
Scientific Reports
SchizophreniaForum.org
Schizophrenia Bulletin
Schizophrenia Research

Journal Editorial Service

2009 Co-Guest Editor, *Hippocampus*, June 2009 Special Issue: Proceedings for the Computational Hippocampal Anatomy and Physiology Workshop 2008
 2007 – Editorial Board, *Open Neuroimaging*
 2012 – Editorial Board, *Dataset Papers in Medicine: Radiology*
 2013 – Editorial Board, *Journal of Neurology and Psychology*
 2015 Co-Guest Editor, *Neurobiology of Aging*, January 2015 Special Issue on Novel Imaging Biomarkers for Alzheimer's Disease and Related Disorders
 2012 – 2017 Review Editor, *Frontiers in Neuroscience: Brain Imaging Methods*
 2017 – Associate Editor, *Frontiers in Neuroscience: Brain Imaging Methods*

Grant Review

NIH

2012/12 Ad hoc reviewer, NINDS Special Emphasis Panel ZNS1 SRB-G (61)
 2013/08 Ad hoc reviewer, NINDS Special Emphasis Panel ZNS1 SRB-G (69)
 2013/11 Ad hoc reviewer, NINDS Special Emphasis Panel ZNS1 SRB-G (72)
 2014/02 Mail-in reviewer, NIH Neuroendocrinology, Neuroimmunology, Rhythms and Sleep (NNRS) Study Section
 2015/02 Ad hoc reviewer, NIH Biodata Management and Analysis (BDMA) Study Section
 2015/06 Ad hoc reviewer, NINDS Special Emphasis Panel ZNS1 SRB-G (03)
 2015/10 Ad hoc reviewer, NIH Biodata Management and Analysis (BDMA) Study Section
 2016/05 Ad hoc reviewer, NIBIB Emerging Technologies and Training Neurosciences IRG (ETTN) Special Emphasis Panel Council ZRG1 ETTN L(54) R
 2017/06 Ad hoc reviewer, NIH Biodata Management and Analysis (BDMA) Study Section
 2018/02 Ad hoc reviewer, NIMH BRAIN Initiative Special Emphasis Panel ZMH1 ERB-C (07)
 2019/03 Ad hoc reviewer, NIMH BRAIN Initiative Special Emphasis Panel ZMH1 ERB-C (04)
 2019/07 Ad hoc reviewer, NIMH BRAIN Initiative Special Emphasis Panel ZMH1 ERB-Q (08)
 2019/10 Ad hoc reviewer, NIH Emerging Imaging Technologies in Neuroscience (EITN) Study Section

2019/10 Ad hoc reviewer, NIH ETTN Study Section
 2019/10 Ad hoc reviewer, NIH BRAIN Initiative Special Emphasis Panel, ZRG1 ETTN-D (50) R
 2020/02 Ad hoc reviewer, NIH EITN Study Section
 2020/02 Ad hoc reviewer, NIH ETTN Study Section
 2020/03 Ad hoc reviewer, NIH BRAIN Initiative Special Emphasis Panel, ZMH1 ERB-C (04)
 2020/08 Ad hoc reviewer, NIH National Center for Complementary and Integrative Health (NCCIH) Special Emphasis Panel on Emotional Well-Being: High-Priority Research Networks, ZAT1 JM (09)
 2020/11 Ad hoc reviewer, NIMH BRAIN Initiative Special Emphasis Panel ZMH1 ERB-Q (02)
 2020/10 – NIH EITN Study Section, standing member

NSF

2017/12 CISE Big Data Spokes Panel Health-Neuroscience panel P180659
 2021/01 Graduate Research Fellowship Program (GRFP), Neurosciences 2

International

2012 The Netherlands Organisation for Health Research and Development (ZonMw) TOP Grants
 2013 Canadian Institutes of Health Research (CIHR) Catalyst Grant
 2013 Czech Science Foundation
 2015 Czech Science Foundation
 2016 Canadian Institutes of Health Research (CIHR) Stage 1 Peer Review
 2017/05 CIHR Stage 1 Peer Review
 2017/11 CIHR Final Stage Peer Review
 2017/01 UK Medical Research Council (MRC), Neurosciences & Mental Health Board, Neurology & neurodegeneration
 2017/12 UK MRC, Fellowships
 2017 Czech Science Foundation
 2019/04 UK MRC, Neurosciences & Mental Health Board, Mental Health and Addiction
 2019/09 UK MRC, Neurosciences & Mental Health Board, Neurology & Neurodegeneration
 2022/04 UK MRC, Neurosciences & Mental Health Board, Neurology & Neurodegeneration

Foundation

2009 Alzheimer's Association
 2012 Alzheimer's Association
 2013 Alzheimer's Association

Institutional

2005 Alzheimer Disease Research Center Pilot Grants, Washington University School of Medicine
 2010 Auxiliary Board of Northwestern Memorial Hospital
 2012 Medical Student Summer Research Program, Northwestern University Feinberg School of Medicine
 2015 – 2020 Cognitive Neurology & Alzheimer Disease Center Pilot Grants, Northwestern University Feinberg School of Medicine
 2019 – 2020 Graduate Research Grant, Northwestern University

Conference/Workshop Organization

2008 Co-Chair, International Workshop on Computational Anatomy and Physiology of the Hippocampus, in Conjunction with MICCAI, New York

- 2009 Co-Chair, Workshop on In Vivo Imaging of Neurobiological Processes: Planning the Next Generation of Studies, Northwestern University Feinberg School of Medicine
- 2012 Co-Chair, International Workshop on Novel Imaging Biomarkers for Alzheimer's Disease and Related Disorders, in Conjunction with MICCAI, Nice, France
- 2013 Organizing Committee, Hippocampal Subfield Segmentation Summit 1 (HS3.1), University of California at Davis
- 2013 Organizing Committee, Hippocampal Subfield Segmentation Summit 2 (HS3.2), Society for Neuroscience Satellite Meeting, San Diego, CA
- 2015 Organizing Committee, Hippocampal Subfield Boundary Working Group Meeting, Chicago, IL
- 2016 Organizing Committee, Midwest Workshop on Big Neuroscience Data, Tools, Protocols & Services
- 2017 Organizing Committee, Big Data Neuroscience Workshop 2017
- 2018 Program Committee, Organizing Committee, INCF 2018 Workshop on Advanced Data Discovery for Neuroscience, Montreal, Canada
- 2018 Organizing Committee, Big Data Neuroscience Workshop 2018
- 2019 Chair, Neuroinformatics and Data Sharing Session, 2019 OHBM Annual Meeting, Rome, Italy
- 2019 Organizing Committee, Big Data Neuroscience Workshop 2019
- 2019 Organizing Committee, SchizConnect ReprNim Workshop
- 2019 Chair, Modeling and Analysis - Multivariate Multi-Modal Analysis Session, 2020 OHBM Annual Meeting, Virtual
- 2020 Organizing Committee, Big Data Neuroscience Workshop 2020
- 2021 Organizer, Emergent Session: NeuroBridge for Data Discovery, 2021 OHBM Annual Meeting, Virtual

University Service, Northwestern University

- 2009 – 2020 Director, Northwestern University Neuroimaging Data Archive (NUNDA). NUNDA archives neuroimaging data collected at the Northwestern University Feinberg School of Medicine's Central for Translation Imaging, and performs image processing analysis pipelines, servicing over 500 users and numerous departments in the Northwestern University human and animal neuroimaging community across both the Chicago and Evanston campuses. Today, NUNDA contains NUNDA currently contains 355 projects, 17984 subjects, and 27825 imaging sessions, including several multisite projects with national and regional institutions
- 2009 – 2020 Faculty preceptor, Training Program in the Neuroscience of Human Cognition, Northwestern University, Ken Paller, Director, National Institute of Neurological Disorders and Stroke (NINDS), predoctoral PhD students and postdoctoral fellows
- 2013 – 2020 Faculty preceptor, Mechanisms of Aging and Dementia Training Program, Northwestern University, John Disterhoft, Director, National Institute on Aging (NIA), predoctoral PhD students and postdoctoral fellows
- 2014 – 2020 Primary mentor, "Brain Gut" Focus Area, T32 Training Grant in Gastrointestinal Physiology and Psychology, Northwestern University Feinberg School of Medicine, Keefer, Pandolfino, Directors, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), predoctoral PhD students and postdoctoral fellows
- 2015 – 2020 Faculty Mentor, Behavioral and Psychosocial Research Training Program in Cancer Prevention and Control, Northwestern University Feinberg School of Medicine, Spring, Penedo, Directors, MPH, MS students and postdoctoral fellows
- 2018 – 2020 Faculty preceptor, Interdepartmental Neuroscience Post-baccalaureate Research Education Program (NU IN-PREP R25), Northwestern University, John Disterhoft, Director, postbaccalaureate students

2019 – 2020 Faculty preceptor, Research Education Programs for Psychiatry Residents (R25), Northwestern University Feinberg School of Medicine, John Csernansky, Director, psychiatry residents

Community Service

2009 Panelist, “Staying Sharp: Current Advances in Brain Research,” Organized by the Dana Alliance for Brain Initiatives

TEACHING

Harvard University

Teaching Assistant, graduate course in Robotics, fall, 1991

Washington University in St. Louis

Lecturer, undergraduate course in Signals and Systems, spring, 1998

National Science Foundation Young Scholar Program, summer 1997, Mary Beth Nebel

Psychiatry Resident Seminar, 2005, 2007

Mentor, Graduate Student Lab Rotation, 2003, 2006

Senior Honors Thesis, 2002, Irena E. Glick

Senior Honors Thesis, 2003, N. Reagan Splinter

Mentor, Bio500 (senior), 2004, 2007

Mentor, Bio200 (sophomore), 2006

Mentor, Philosophy Neuroscience and Psychology, 1999 – 2003, 2005 – 2008

Mentor, Radiology Summer Fellow, 2002 – 2004

Northwestern University

BME 512, Biomedical Engineering Graduate Seminar Class, 2008

Geriatric Psychiatry Research Seminar, 2010, 2011

Research Methods I: Statistics, Winter Quarter 2010, Division of Clinical Psychology,

Department of Psychiatry and Behavioral Sciences

Principals of Neuroimaging, Summer Quarter 2013 – Present, Division of Clinical Psychology,

Department of Psychiatry and Behavioral Sciences

Mental Health Law Guest Lecture, 2014 – Present, Northwestern University School of Law

MENTORING

Northwestern University

Junior Faculty

Lisanne Jenkins, PhD, Research Assistant Professor, Northwestern University Clinical and Translational Sciences (NUCATS) Institute Multidisciplinary Mentored Career Development Program (KL2), “Structural brain network properties of neuropsychiatric symptoms across dementias,” 2020 – 2022

Visiting Scholar

Shun-Chin Wu, Predoctoral Fellow, National Defense Medical Center, Taiwan, 2017 – 2018

Yu-Sheng Kuo, National Yang-Ming University, Taiwan, 2018 – 2019

Postgraduate

Milap Nowrangi, MD, Psychiatry Resident Research Elective, 2009 – 2010

Beth LaBardi, MD, Geriatric Psychiatry Fellow Research, 2013 – 2014

Derin Cobia (T32), PhD, Postdoctoral/T32 Fellow, 2008 – 2011

Katherine Blizinsky, PhD, Postdoctoral Fellow, 2014
Anna Varentsova, PhD, Postdoctoral Fellow, 2015 – 2016
Lisanne Jenkins (KL2), PhD, Postdoctoral Fellow, 2017 – 2020

PhD, Primary Mentor, Northwestern University

Ashley Heywood, Clinical Psychology PhD Student, Year 3 (2019 – present)
Jane Stocks (T32), Clinical Psychology PhD Student, Year 4 (2018 – present)
Julie Peterson, Clinical Psychology PhD Student, Year 5 (2017 – present)
Katherine Blizinsky, Northwestern University Integrated Neuroscience Program (NUIN, Co-Advisor: Peter Penzes) (PhD, 2010 – 2014)
Matthew Schroeder (T32), NUIN (Co-Advisor: John Disterhoft) (PhD, 2009 – 2015)
Neha Mehta (T32), NUIN (Co-Advisor: Eva Redei) (PhD, 2009 – 2015)
Adam Christensen, Clinical Psychology (PhD, 2010 – 2016)
C. Paula Lewis-de los Angeles (T32, F30), Medical Scientist Training Program (PhD, 2014 – 2017)
Alexandra C. Apple (T32, F31), Clinical Psychology (PhD, 2013 – 2019)

PhD Thesis Committee, Northwestern University

Eva Elden, Clinical Psychology (PhD, 2018)
Julia Rao, Clinical Psychology (PhD, 2013)
Nicholas Bowman, NUIN (PhD, 2014)
Mo Satyshur, Clinical Psychology (PhD, 2019)
Alyse Bedell, Clinical Psychology (PhD, 2019)
Adam Martersteck, NUIN (Chair) (PhD, 2020)
Molly Hermiller, NUIN (Chair) (PhD, 2020)
Michael Scott, Biomedical Engineering (PhD, 2021)

PhD Thesis Committee, other institutions

Ali Khan, Engineering Science, Simon Frasier University (PhD, 2011)
Evgeniy Lebed, Engineering Science, Simon Frasier University (PhD, 2013)
Jing Ming, Bioengineering, University of Illinois at Chicago (PhD, 2013)
Pradeep Reddy Ramana, Engineering Science, Simon Frasier University (PhD, 2015)
Donghuan Lu, Engineering Science, Simon Frasier University (PhD, 2019)

MS Primary Mentor, Northwestern University

Eva Alden, MS, Clinical Psychology (2014)
Jinhyeong Bae, Biomedical Engineering (2019)
Gabiella Caceres, MS, Clinical Psychology (2020)
Kiana Alexis Scambray, MS, Clinical Psychology (2022)

MS Thesis Committee, Northwestern University

Zhanghexuan Ji, MS, Biomedical Engineering (2018)
Yulia Lagoutina, MS, Neurobiology & Anatomy (2019)
Christina Osorio, MS, Clinical Psychology (2020)

MS Thesis Committee, other institutions

Behrang Makouei, Engineering Science, Simon Frasier University (MS, 2008)
Shahab Ansari, Engineering Science, Simon Frasier University (MS, 2010)
Eli Gibson, Engineering Science, Simon Frasier University (MS, 2010)
Esther Murillo, Clinical Psychology, Ludwig-Maximilians-University (MS, 2014)
Oshin Sangha, Engineering Science, Simon Frasier University (MS, 2019)

Evangeline Yee, Engineering Science, Simon Frasier University (MS, 2019)

Graduate/Medical Students

Graduate Student Lab Rotation, NUIN, MSTP, 2009 – 2020

NUFSM Medical Student Summer Research Program, 2010, Ilya Karagodin

NUFSM Medical Student Area of Scholarly Concentration Research Program, 2014 – 2017,

Veronika Hanko

NUFSM Medical Student Area of Scholarly Concentration Research Program, 2015 – 2018, Ivy

Huang

Undergraduate Students

Northwestern University Summer Research Opportunity Program, 2013, Elissabeth Martin

Northwestern University Summer Research Opportunity Program, 2018, Annika Benson

Northwestern University Bioscientist Program, Summer 2013, Ashley Walters

Northwestern University Undergraduate Independent Studies, 2013 – 2015, Marta Turowski

California State University Bakersfield, Summer Research Internship, 2013, Patricia Acosta

Northwestern University Summer Undergraduate Research, 2014, Suhong Jin

Northwestern University Weinberg College of Arts and Sciences Summer Research, 2017,

Samantha Yang

Northwestern University Undergraduate Research Assistant Program, 2017, Marcin Jaskolski

Northwestern University Undergraduate Research Assistant Program, 2018, Joshua Mensah

University of Illinois Chicago Biological Sciences Independent Studies, 2021, Sonya Gupta

High School Students

Illinois Math & Science Academy Student Inquiry and Research Program, 2009 – 2020, >20 students

The Ohio State University

Postgraduate

Abhishek Appaji, PhD, Postdoctoral Fellow, 2022 –

PhD Thesis Committee, The Ohio State University

Athena Howell, Neuroscience

PhD Thesis Committee, other institutions

Alexei Taylor, Psychology, Drexel University

Kelly Rootes-Murdy, Psychology, Georgia State University

MS Thesis Committee, other institutions

Ghazal Mirabnahrazam, Engineering Science, Simon Frasier University (MS, 2022)

RESEARCH GRANTS/CONTRACTS

(Listing total cost for annual or total project period)

Active

1 R01 AG070592 NIA (PI-Contact, MPI: Olsen, Wisse) 3/1/22 – 2/28/27 \$3,461,114
A harmonized medial temporal lobe subregion segmentation protocol: an essential element for dementia research

1 R01 DA053028 NIDA (PI-Contact, MPI: Ambite, Rajasekar, Turner) 9/1/20 – 7/31/24 \$1,526,484

CRCNS:NeuroBridge: Connecting Big Data for Reproducible Clinical Neuroscience

3 R01 DA053028-03S1 NIDA (PI-Contact, MPI: Ambite, Rajasekar, Turner) 5/1/22 – 7/31/24 \$127,229
 CRCNS:NeuroBridge: Connecting Big Data for Reproducible Clinical Neuroscience
 Administrative supplement

1 P01 HD103133-01 NICHD (Project 3 lead, Co-lead: Malee, Nichols, P01 MPI: Seage, Chadwick)
 9/18/2020 – 7/31/2025 \$430,311

Pediatric HIV/AIDS Cohort Study (PHACS) 2020, Project 3 – TERBO BRAIN Study: Trajectories of
 Emotional Regulation and Behavior Outcomes and related Brain Regions And Intrinsic Networks

3 R01 AG059291-02S1 NIA (Supplement lead, MPI: Knutson, Carnethon) 8/15/20 – 3/31/24 \$360,200
 An Epidemiologic Study of Disparities in Sleep and Cognition in Older Adults (DISCO)
 Administrative supplement

1 R01 AG055121-01A1 NIA (PI-Contact, MPI: Rosen) 9/15/17 – 5/31/22 (NCE) \$2,218,136
 PREDICT-ADFTD: Multimodal Imaging Prediction of AD/FTD and Differential Diagnosis

3 R01 AG055121-03S1 NIA (PI) 9/19/10 – 5/31/22 (NCE) \$131,389
 Research Supplements to Promote Diversity in Health-Related Research (Diversity Supp)

1 R21 NS114815-01A1 NINDS (site PI, PI: Grafman) 1/1/21 – 12/31/22 \$15,456
 Safety and Cognitive Effects of Acute Intermittent Hypoxia-Induced Neuroplasticity in TBI

1 R01 MH104030-01A1 NIMH (site PI, MPI: Black [contact], Schlaggar) 7/1/17 – 6/30/22 \$153,352
 The New Tics Study: A Novel Approach to Pathophysiology and Cause of TIC Disorder

1 U01 MH128677 NIMH (Co-I, MPI: Phan, Krishna) 3/1/22 – 12/31/25 \$2,197,313
 Magnetic Resonance-Guided Focused Ultrasound Ablation of The Anterior Thalamus As A Novel
 Treatment Paradigm For Anxiety

CompletedAs PI, MPI, Site PI

1 R01 EB020062-01A1 NIBIB (MPI, PI: Miller [contact], Paulsen, Mostfosky, Wang)
 Neurodegenerative and Neurodevelopmental Subcortical Shape Diffeomorphometry Software
 9/1/15 – 8/31/21 (NCE) \$1,999,997

BCS 1734853 NSF (MPI, PI: Pestilli [contact], Garyfallidis, Henschel, Wang, Dinov)
 NCS-FO: Connectome mapping algorithms with application to community services for big data
 neuroscience 9/1/17 – 8/31/20 \$650,000

IDP Foundation Research Innovation Challenge Award (PI-Contact, MPI: Penedo, Cella)
 Robert H. Lurie Comprehensive Cancer Center, Northwestern University
 A Systems-based Understanding and Remediation of Cancer and Cancer-Related Cognitive Impairment
 (ASURE). 10/01/17 – 09/30/19 \$50,000

SP0037646 (IIS 1636893) NSF (MPI, PI: Pestilli [contact], Wang, Saykin, Sporns)
 BD Spokes: SPOKE: MIDWEST: Collaborative: Advanced Computational Neuroscience Network

(ACNN)	9/1/16 – 8/31/20 (NCE)	\$332,869
1 R01 NR014182-01 NINR (PI) HippoPCI Hippocampal Predictors of Cognitive Impairment in Breast Cancer Patients	9/26/12 – 6/30/18 (NCE)	\$2,408,508
1 U01 MH097435-01A1 NIMH (PI-Contact, MPI: Potkin, Ambite, Turner) SchizConnect: Large-Scale Schizophrenia Neuroimaging Data Mediation & Federation	3/19/13 – 1/31/18 (NCE)	\$2,000,807
1 R01 MH084803 NIMH (PI) Schizophrenia Data and Software Tool Federation using Biomedical Informatics Research Network (BIRN) Infrastructure	7/1/09 – 6/30/13 (NCE)	\$936,532
James D. McDonnell Foundation (Site PI, MPI: Swanson [contact], Canoll, Gatenby, Egan) The ENDURES Study: Environmental Dynamics Underlying Responsive Extreme Survivors of Glioblastoma	9/01/14 – 8/31/17	\$1,850,584
Alzheimer's Association (MPI: Weiner [contact], Mueller, Yushkevich, van Leemput, Wang) ADNI 2 add on project: Hippocampal Subfield Volumetry	7/1/12 – 6/30/15	\$454,545
Ken and Ruth Davee Award for Innovative Investigations in Affective Disorders (PI-Contact, MPI: Redei) Department of Psychiatry and Behavioral Sciences, Northwestern University Feinberg School of Medicine Neuroimaging Pilot Study Using an Animal Model of Major Depression	9/1/12 – 8/31/13	\$25,000
CNADC Pilot (PI) Northwestern University Feinberg School of Medicine 2P30AG013854-16 NIA (Mesulam) Predicting FTLN & AD Neuropathology in PPA Using Hippocampal Shape: A Pilot Study	7/1/11 – 10/31/12 (NCE)	\$234,823
Australian NHMRC (Site PI, PI: Wen) Early Detection of Mild Cognitive Impairment and Dementia Using Multidimensional Analysis of Structural MRI by Computational Methods	11/1/07 – 12/31/11 (NCE)	\$677,791
BRF SG 2010-12, Brain Research Foundation (PI) Development of a Calcium-Sensitive MRI Probe for Neural Activity	5/3/10 – 7/31/11 (NCE)	\$40,000
Pacific Alzheimer Research Foundation (Site PI, PI: Beg) Improving Sensitivity of Early Detection of AD via Multidimensional Analysis of Longitudinal MR Scans	4/1/07 – 9/30/09	\$240,000
TSA GB 64527, Tourette Syndrome Association (PI) Morphological Abnormalities of the Thalamus and Basal Ganglia in Tourette Syndrome by Computational Anatomy	4/1/04 – 8/31/05	\$75,000

Mentored Research

Northwestern University Clinical and Translational Sciences institute (NUCATS)

(Faculty Mentor, PI: Jenkins) 7/1/21 – 6/30/23 \$199,688
 Multidisciplinary Mentored Career Development Program (KL2): Structural Brain Network Properties of Neuropsychiatric Symptoms across Dementias

Training Grants

1 F30 HD090842-01 NICHD (Sponsor, PI: De Los Angeles) 3/26/17 – 3/25/19 \$75,991
 MD/PhD NRSA: Cortical Thickness, Subcortical Deformation, and Structural Covariance Networks in Youth with Perinatally-Acquired HIV: Associations with HIV Disease Severity and Cognition

1 F31 CA210719-01 NCI (Sponsor, PI: Apple) 3/1/16 – 2/29/18 \$75,322
 Predoctoral NRSA: The Role of the Hippocampal-Prefrontal Network in Cancer-Related Cognitive Impairment; A Multimodal Cross Sectional Study

1 T32 DK101363-01 NIDDK (primary mentor, PIs: Keefer, Pandolfino) 7/1/14 – 6/30/19 \$1,193,491
 Training Grant in Gastrointestinal Physiology and Psychology, “Brain Gut” Focus Area—primary mentor

As co-I

1 R01 HL122328 NHLBI/NICHD (co-I, PI: Miller) 11/1/14 – 8/31/20 (NCE) \$2,117,452
 Childhood Origins of CHD Disparities: Neural & Immune Pathways

1 U01 HD052104 NICHD (co-I, PI: Van Dyke) 08/01/18 – 7/31/20 \$856,689
 Pediatric HIV/AIDS Cohort Study (PHACS) Coordinating Center (CC) (U01)

1 R01 HL115828 NHLBI (co-I, PI: Markl) 04/01/18 – 03/31/23 \$1,691,146
 Childhood Origins of CHD Disparities: Neural & Immune Pathways

1 P30 AG013854 NIA (co-I, PI: Vassar) 10/01/18 – 06/30/21 \$1,211,810
 Alzheimer's Disease Core Center: Imaging Core

1 R01 AG049002 NIA (co-I, PI: Voss) 04/01/15 – 01/31/21 \$1,822,657
 Noninvasive Stimulation to Improve Hippocampal-Dependent Memory in Older Adults

1 R01 MH106512 NIMH (co-I, PI: Voss) 09/01/15 – 05/31/20 \$2,100,742
 Noninvasive Manipulation of Hippocampal-Cortical Brain Networks and Memory

1 R01 NS085002 NINDS (co-I, PI: Sorond) 08/01/15 – 04/30/19 (NCE) \$1,358,424
 Cerebral Small Vessels in Motor and Cognitive Decline

1 P50 DC012283-01A1 NIDCD (co-I, PI: Thompson) 4/1/13 – 3/31/18 \$10,388,912
 Neurobiology of Language Recovery in Aphasia: Natural History and Treatment-Induced Recovery

1 R01 MH097216 NIMH (co-I, PI: Penzes) 2/20/12 – 1/31/17 \$2,204,704
 Molecular Mechanisms of Abnormal Dendritic Spine Plasticity in Schizophrenia

Alzheimer Society of Canada (Collaborator, PI: Beg) 8/1/11 – 7/31/13 \$75,400
 Discrimination between Alzheimer's and Frontotemporal Dementia using Novel Anatomical Features from Brain MR Scans

R01 MH56584-09 NIMH (co-I, PI: Csernansky) 8/31/07 – 12/31/12 (NCE) \$4,344,349
 Neuromorphometry in Schizophrenia by Computer Algorithm

MJFF Parkinson's Biomarkers (co-I, PI: Simuni, Gitelman) High Resolution diffusion tensor MRI imaging as a biomarker of Parkinson Disease diagnosis and disease progression	12/1/09 – 7/24/12	\$377,476
Northwestern Memorial Hospital (co-I, PI: Csernansky) Northwestern University Neuroimaging Data Archive	9/1/09 – 8/31/11	\$350,000
R01 AG25824 NIA (co-I, PI: Csernansky) Stress, Glucocorticoids and Alzheimer Disease	9/1/05 – 8/31/10	\$1,105,278
P01 AG26276 NIA (co-I, PI: Morris; Project 4 PI: Csernansky) Antecedent Biomarkers for AD – Project 4: Neuroanatomical Biomarkers of Early AD	10/1/05 – 8/31/10	\$1,189,373

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a. Original, peer-reviewed research articles

(Scopus/Google Scholar *h*-index 41/49)

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b. Invited publications (e.g., reviews, book chapters, etc)

1. **Wang L**, Clark JJ: Shape from Active Shadow Motion, SPIE Conference on Intelligent Robots and Computer Vision: Active Vision and 3D Methods. Boston, MA, 1993, pp 2-13.

2. **Wang L**, Miller MI: Construction of Statistical Templates for Cross-Modality Mapping, First Aachen Conference on Neuropsychology in Neurosurgery, Psychiatry and Neurology. Aachen, Germany, 1997.
3. Csernansky JG, **Wang L**, Joshi SC, Ratnanather JT, Miller MI: Computational Anatomy and Neuropsychiatric Disease: Probabilistic Assessment of Variation and Statistical Inference of Group Difference, Hemispheric Asymmetry, and Time-Dependent Change. *NeuroImage*, Special Issue on “Mathematics in Brain Imaging”, Thompson PM, Miller MI, Poldrack R, Nichols TN (eds) *Neuroimage* 23 Suppl 1:S56-68, 2004.
4. **Wang L**, Csernansky JG: Recent Advances in Neuroimaging Biomarkers of Schizophrenia, Janicak P, Marder S, Tandon R, Goldman M (eds), *Schizophrenia: Recent Advances in Diagnosis and Treatment*, DOI 10.1007/978-1-4939-0656-7_6, Springer Science+Business Media New York 2014.
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PRESENTATIONS

a. Conference presentations (past five years only)

1. Angeles CPL-dl, Alpert KI, Williams PL, Malee K, Huo Y, Csernansky JG, Yogev R, Dyke RBV, Sowell ER, **Wang L**, NIH Pediatric HIV/AIDS Cohort Study (PHACS). Hippocampal morphometry is related to substance use in youth with perinatally-acquired HIV infection. *Human Brain Mapping*. Vancouver, Canada; 2017.
2. Apple AC, Schroeder M, Ryals AJ, Wagner LI, Cella D, Penedo FJ, Voss JL, **Wang L**. Compensation in hippocampal connectivity in breast cancer patients with cognitive concerns. *Human Brain Mapping*. Vancouver, Canada; 2017.
3. Apple AC, Schroeder M, Ryals AJ, Wagner LI, Cella D, Penedo FJ, Voss JL, **Wang L**. Elevated hippocampal functional connectivity related to memory in breast cancer survivors with self-reported cognitive concerns. The 45th Annual Meeting of the International Neuropsychological Society. New Orleans; 2017.
4. Chen J, Calhoun VD, Lin D, Perrone-Bizzozero NI, Bustillo JR, Pearlson GD, Potkin SG, Erp TGMv, Ehrlich S, **Wang L**, Clementz BA, Keshavan MS, Gershon E, Sweeney JA, Tamminga CA, Andreassen O, Agartz I, Westlye LT, Turner JA, Liu J. Shared Genetic Risk of Schizophrenia and Gray Matter Reduction in 6p22.1. Paper presented at: International Congress on Schizophrenia Research, 2017; San Diego.
5. Cobia D, Perry C, Gale S, Hedges D, Smith MJ, Csernansky JG, **Wang L**. *Toxoplasma gondii* affects posterior association cortex and related functions in healthy, but not schizophrenia, subjects. Paper presented at: International Congress on Schizophrenia Research, 2017; San Diego.
6. Cobia D, Smith MJ, Csernansky JG, **Wang L**. Hippocampal shape features relate to limbic integrity and episodic memory function in neuropsychologically near-normal schizophrenia. The 45th Annual Meeting of the International Neuropsychological Society. New Orleans; 2017.
7. Gutman BA, van Erp T, Alpert K, Isaev D, Zavaliangos-Petropulu A, Calhoun V, Glahn D, Satterthwaite T, Andreasen OA, Borgwardt S, Howells F, Voineskos A, Radua J, Potkin S, Facorro BC, Shen L, Lebedeva I, Spalletta G, Donohoe G, Kochunov P, Doan NT, Agartz I, Harrisberger F, Stein DJ, Dickie EW, Canales-Rodriguez EJ, Huang AJ, Roiz-Santiañez R, Cong S, Tomyshev A, Piras F, Thompson PM, Turner J, **Wang L**, ENIGMA Schizophrenia Working Group. Shape Alterations and Asymmetry in Deep Gray Matter Structures Associated with Schizophrenia and Antipsychotics: an N=6500 Meta-analysis. Annual Meeting of the Society of Biological Psychiatry. San Diego, CA; 2017.
8. Ma D, Lu D, Popuri K, Balachander R, Alpert K, **Wang L**, Beg MF. Zscape – An Intuitive Data Visualisation for Predicting AD progression. *Human Brain Mapping*. Vancouver, Canada; 2017.
9. Zwarte Sd, Brouwer R, Hillegers M, Cahn W, Pol HH, Kahn R, Alpert K, **Wang L**, Bramon E, Kane F, Murray R, Hajek T, Alda M, Roberts G, Mitchell P, Schofield P, Fullerton J, Richter A, Gruber O,

- Bonvino A, Bertolino A, Giorgio AD, Caseras X, Fears S, Bearden C, Glahn D, van Erp T, Thompson P, Andreassen O, Turner J, van Haren N, ENIGMA-Relatives Group. ENIGMA-Relatives – Brain Volumes in First-Degree Relatives of Schizophrenia and Bipolar Patients. *Human Brain Mapping*. Vancouver, Canada; 2017.
10. Alden EC, Cobia DJ, Reilly JL, **Wang L**, Alpert KI, Csernansky JG, Smith MJ. Verbal working memory and hippocampal surface anatomy in high and low functioning schizophrenia. *The 46th Annual Meeting of the International Neuropsychological Society*. Washington, DC.; 2018.
 11. Carr V, Joie RL, Olsen R, Wisse L, Amaral R, Amunts K, Augustinack J, Bakker A, Bender A, Berron D, Ding S, Burggren A, Flores Rd, Chakravarty M, Ekstrom A, Kanel P, Kedo O, Insausti R, Malykhin N, Mueller S, Ofen N, Pluta J, Palombo D, Schoemaker D, Stark C, Steve T, **Wang L**, Yassa M, Yu Q, Yushkevich P, Daugherty A, Hippocampal Subfields Group. Preliminary Results of the Hippocampal Subfields Group Harmonized Protocol for Segmenting Hippocampal Subfields on 3T MRI. *Annual Meeting of the Society for Neuroscience*. San Diego; 2018.
 12. Christensen A, Cobia D, Weintraub S, **Wang L**. Hippocampal Subfield Deformity Patterns and Memory Function in Non-Semantic Primary Progressive Aphasia and Amnesic Dementia of the Alzheimer Type. *Alzheimer Association International Conference*. Chicago; 2018.
 13. Cobia D, Paxton H, Smith MJ, Csernansky JG, **Wang L**. Subcortical features of dorsolateral prefrontal circuitry in neuropsychologically near-normal schizophrenia. *The 46th Annual Meeting of the International Neuropsychological Society*. Washington, DC.; 2018.
 14. Jenkins LM, Chiang J, Alpert K, Miller G, **Wang L**. Outward subcortical shape variation associated with higher socioeconomic status in adolescents. *Organization for Human Brain Mapping's Annual Meeting*. Singapore; 2018.
 15. Jenkins LM, Chiang J, Alpert K, **Wang L**, Miller G. Outward subcortical deformations associated with sub-clinical depression symptoms in adolescents. *Annual Meeting of the Society of Biological Psychiatry*. New York; 2018.
 16. Jenkins LM, Garner C, Duque C, Kurian S, **Wang L**, Sorond F. Reduced local connectivity of the medial prefrontal cortex predicted by slower executive functioning in middle aged adults at risk for cardiovascular disease. *The 46th Annual Meeting of the International Neuropsychological Society*. Washington, DC.; 2018.
 17. Jenkins LM, Garner CR, Dunque AC, Kurian S, Behnam S, **Wang L**, Sorond F. Higher Cumulative Exposure to Blood Pressure During Young Adulthood Through Midlife Predicts Reduced Local Functional Hippocampal Connectivity at Rest in Midlife. *International Stroke Conference*. Los Angeles; 2018.
 18. Jenkins LM, Garner CR, Dunque AC, Kurian S, Sabayan B, Sedghat S, Lloyd-Jones D, **Wang L**, Sorond F. Higher Cumulative Exposure to Blood Pressure during Young Adulthood through Midlife Predicts Reduced Local Functional Hippocampal Connectivity at Rest in Midlife. *Alzheimer Association International Conference*. Chicago; 2018.
 19. Joie RL, Daugherty A, Wisse L, Amaral R, Amunts K, Augustinack J, Bakker A, Bender A, Berron D, Burggren A, Chakravarty M, Flores Rd, Ding SL, Ekstrom A, Kanel P, Kedo O, Insausti R, Malykhin N, Mueller S, Ofen N, D. Polombo J, Pluta DS, Stark C, Steve T, **Wang L**, Yassa M, Yu Q, Yushkevich P, Carr V, R. Olsen, Hippocampal Subfields Group (HSG). A harmonized protocol for in vivo human hippocampal subfield segmentation: initial results of the 3 Tesla protocol. *Alzheimer Association International Conference*. Chicago; 2018.
 20. Jutla A, **Wang L**, Lavigne J, Yang S, Csernansky J. 11.2 Novel Neuroimaging Findings in Adolescents With Psychogenic Nonepileptic Seizures (PNES). *Journal of the American Academy of Child & Adolescent Psychiatry*. 2018;57(10):S285.
 21. Kruger JR, Alpert KI, Calhoun V, Keator D, King M, Kogan A, Mathew J, Potkin SG, Turner JA, Ambite JL, **Wang L**. SchizConnect: A Web-based Virtual Database for Dynamic Compilation and Integration of Schizophrenia Neuroimaging Data – Update. *Annual Meeting of the Society of Biological Psychiatry*. New York; 2018.

22. Lander H, Rajasekar A, Turner J, **Wang L**. Practical Experiences in Advanced Data Discovery: The DataBridge for NeuroScience Project. *Neuroinformatics 2018*. Montreal; 2018.
23. Lander H, Rajasekar A, Turner J, **Wang L**. Practical Experiences in Advanced Data Discovery: The DataBridge for NeuroScience Project. *Annual Meeting of the American College of Neuropsychopharmacology (ACNP)*. Hollywood, FL; 2018.
24. Ma D, Popuri K, **Wang L**, Beg MF, Alzheimer's Disease Neuroimaging Initiative. The Effect of Field Strength Towards Longitudinal Total Intracranial Volume Estimation and Hippocampal Atrophy on ADNI Data. *Alzheimer Association International Conference*. Chicago; 2018.
25. Nusslock R, Brody G, Armstrong C, Carroll A, Ozturk S, Yu T, Barton A, Chen E, Parrish T, **Wang L**, Vause K, Hoffer L, Miller G. Elevated Peripheral Inflammation is Associated with Decreased Resting State Functional Connectivity within an Emotional Regulation Network in Two Independent Samples. Paper presented at: The 32nd Annual Meeting of the Society for Research in Psychopathology, 2018; Indianapolis, IN.
26. Olsen R, Daugherty A, La Joie R, Wisse L, Amaral R, Berron D, de Flores R, Ekstrom A, Kanel P, Malykhin N, Mueller S, Pluta J, Stark C, Steve T, **Wang L**, Yassa M, Yushkevich P, Carr V, the Hippocampal Subfields Group. A harmonized protocol for in-vivo human hippocampal subfield segmentation: initial results of the 3 Tesla protocol. Paper presented at: International Conference on Learning & Memory, 2018; Huntington Beach, CA.
27. Plioplys S, **Wang L**, Lavigne J, Csernansky J. 11.1 Psychiatric Comorbidity in Psychogenic Nonepileptic Seizures. *Journal of the American Academy of Child & Adolescent Psychiatry*. 2018;57(10):S285.
28. Beg MF, Ma D, Popuri K, Mahadev, **Wang L**. Quantitative Analysis on The Goodness of Harmonization with Multivariate Analysis of Field Strength, Sex, Age and Total Intracranial Volume. *11th Clinical Trials On Alzheimer's Disease (CTAD)*. Barcelona; 2018.
29. Popuri K, Balachandar R, Alpert K, Lu D, Bhalla M, Mackenzie IR, Hsiung RG-Y, **Wang L**, Beg MF, Alzheimer's Disease Neuroimaging Initiative. Development and validation of a novel dementia of Alzheimer's type (DAT) score based on metabolism FDG-PET imaging. *Alzheimer Association International Conference*. Chicago; 2018.
30. Scott M, Rahman O, Powell A, Alpert K, Kogan A, **Wang L**, Collins J, Carr J, Markl M, Barker AJ. Architecture and pipeline to enable large scale analysis of 4D flow MRI data. *CMR 2018 A Joint EuroCMR/SCMR Meeting*. Barcelona; 2018.
31. **Wang L**, Apple AC, Schroeder MP, Ryals AJ, Wagner LI, Cella D, Shih P-A, Reilly J, Penedo FJ, Voss JL. Multimodal Cross-Sectional Studies of Hippocampal-Prefrontal Network Dysfunction in Breast Cancer Survivors after Chemotherapy. *International Cancer Cognition Task Force (ICCTF) Cognition & Cancer Conference*. Sydney; 2018.
32. **Wang L**, Popuri K, Balachandar R, Alpert K, Lu D, Bhalla M, Mackenzie IR, Hsiung RG, Hanko V, Warren KN, Schneider JA, Arfanakis K, Bennett DA, Beg MF. Can neuroimaging diagnose neurodegenerative diseases? *ICSA 2018 Applied Statistics Symposium*. New Brunswick, NJ; 2018.
33. Wu S-C, Jenkins L, Apple A, Petersen J, Xiao F, **Wang L**, Yang F-pG. Longitudinal fMRI task reveals inverse default-executive coupling in attention control after TBI. *Organization for Human Brain Mapping's Annual Meeting*. Singapore; 2018.
34. Wu S-C, **Wang L**, Yang F-pG, Xiao F. Default-executive coupling in attention control after traumatic brain injury with task functional magnetic resonance imaging in longitudinal study. Paper presented at: Cognitive Neuroscience Society 25th Annual Meeting, 2018; Boston, MA.
35. Gutman B, **Wang L**, ENIGMA Schizophrenia Working Group. Shape Asymmetry of Deep Brain Structural Structures in 2763 Individuals with Schizophrenia Compared to 3768 Healthy Volunteers in a Prospective Shape Meta-Analysis via the ENIGMA Consortium. *Annual Meeting of the Society of Biological Psychiatry*. Chicago; 2019.
36. Jenkins L, Chaing J, Vause K, Hoffer L, Alpert K, Parrish T, **Wang L**, Miller G. Higher levels of subclinical depression in adolescents are associated with greater volume of the hippocampus,

- thalamus and nucleus accumbens across time than lower levels. *Annual Meeting of the Society of Biological Psychiatry*. Chicago; 2019.
37. Bae J, Stocks J, Heywood A, Jung Y, Popuri K, Beg MF, **Wang L**, Alzheimer's Disease Neuroimaging Initiative. End-to-end 3D-Convolutional Neural Network for Predicting the Conversion from Mild Cognitive Impairment (MCI) to Alzheimer's Dementia (AD). Alzheimer Association International Conference. Los Angeles; 2019.
 38. Cobia D, Gale S, Lindsey H, Hedges D, Wyman C, Smith MJ, Csernansky JG, **Wang L**, Yolken RH. Cytomegalovirus Seropositivity is Associated with Regional Cortical Thinning in Schizophrenia. Annual Congress of the Schizophrenia International Research Society. Florence, Italy; 2019.
 39. Cobia D, Smith MJ, Rich C, Csernansky JG, **Wang L**. Basal Ganglia Shape Features Differentiate Schizoaffective Disorder from Schizophrenia. Annual Meeting of the International Neuropsychological Society. New York; 2019.
 40. Eastman JA, Alpert KI, Washburn J, **Wang L**. History of Remote Cancer Diagnosis and Neuroanatomical Correlates in Older Adults: The Link Between Cancer- Related Cognitive Impairment and Preclinical Alzheimer's Dementia. Annual Meeting of the International Neuropsychological Society. New York; 2019.
 41. Eastman JA, **Wang L**, Alzheimer's Disease Neuroimaging Initiative. The Impact of Cancer History on Cognitive Performance and Conversion in Older Adults with Mild Cognitive Impairment and Normal Cognition. Alzheimer Association International Conference. Los Angeles; 2019.
 42. Gutman B, **Wang L**, ENIGMA Schizophrenia Working Group. Shape Asymmetry of Deep Brain Structural Structures in 2763 Individuals with Schizophrenia Compared to 3768 Healthy Volunteers in a Prospective Shape Meta-Analysis via the ENIGMA Consortium. Annual Meeting of the Society of Biological Psychiatry. Chicago; 2019.
 43. Jenkins L, Chaing J, Vause K, Hoffer L, Alpert K, Parrish T, **Wang L**, Miller G. Higher levels of subclinical depression in adolescents are associated with greater volume of the hippocampus, thalamus and nucleus accumbens across time than lower levels. Annual Meeting of the Society of Biological Psychiatry. Chicago; 2019.
 44. Lagoutina Y, Nilakantan AS, **Wang L**, Niasari MA, Voss JL. Role of cortical thickness in recall improvement due to noninvasive stimulation targeting the hippocampal-cortical network in older adults. Annual Meeting of the Society for Neuroscience. Chicago; 2019.
 45. Lander H, Alpert K, Rajasekar A, Turner J, **Wang L**. Data Discovery for Case Studies: The DataBridge for Neuroscience Project. The 13th International Multi-Conference on Society, Cybernetics and Informatics. Orlando, FL; 2019:19 -25.
 46. Stocks J, Popuri K, Beg MF, **Wang L**, Alzheimer's Disease Neuroimaging Initiative. Sex Differences in The Relationship between Cortical Neurodegeneration and FDG-PET Hypometabolism in AD and Progressive-MCI. Alzheimer Association International Conference. Los Angeles; 2019.
 47. Wisse L, Berron D, Olsen R, Daugherty A, Amunts K, Augustinack J, Bakker A, Bender A, Boccardi M, Bocchetta M, Chakravarty MM, Chetelat G, Florès Rd, DeKraker J, Ding S-L, Insausti R, Kedo O, Mueller S, Ofen N, Palombo D, Raz N, Stark C, **Wang L**, Yushkevich P, Yu Q, Carr V, Joie RL. The development of a valid, reliable, harmonized segmentation protocol for hippocampal subfields. Alzheimer Association International Conference. Los Angeles; 2019.
 48. Zhang FZ, Niu X, Heywood A, Stocks J, Beg MF, **Wang L**. Using Multi-State Markov Transition Models and Multilevel Models to Identify Biomarkers of AD Using ADNI FDG-PET Data. Alzheimer Association International Conference. Los Angeles; 2019.
 49. Eastman JA, **Wang L**. The Cognitive and Neuroanatomical Correlates of Cancer History in the ADNI Database. International Cancer Cognition Task Force (ICCTF) Cognition & Cancer Conference. Denver; 2020.
 50. Eastman JA, **Wang L**. Examining Pre-Cancer Cognitive Function and Post-Cancer Cognitive Outcomes in the Alzheimer's Disease Neuroimaging Initiative. International Cancer Cognition Task Force (ICCTF) Cognition & Cancer Conference. Denver; 2020.

51. Petersen J, Cobia D, Dokucu ME, Donnelly ED, Gradishar WJ, Mihailovic M, Paice JA, Rademaker AW, Reilly JL, Voss JL, Wagner L, Weintraub S, **Wang L**. Altered resting-state functional connectivity in breast cancer patients undergoing hormone therapy: An exploration of whole brain resting networks. International Cancer Cognition Task Force (ICCTF) Cognition & Cancer Conference. Denver; 2020.
52. Chen J, Li X, Calhoun VD, Turner JA, van Erp TGM, **Wang L**, Andreassen OA, Ingrid Agartz, Westlye LT, Liu J, Ji S. Sparse Deep Neural Networks on Imaging Genetics for Schizophrenia Discrimination. Organization for Human Brain Mapping's Annual Meeting. Virtual; 2020.
53. Bae J, Stocks J, Heywood A, Jung Y, Jenkins L, Katsaggelos A, Popuri K, Beg MF, **Wang L**, Alzheimer's Disease Neuroimaging Initiative. Relating Occlusion maps obtained through Deep Learning to Functional Impairment in Dementia of Alzheimer's Type. Alzheimer Association International Conference. Virtual; 2020.
54. Heywood A, Scheinder J, Bennet D, Konstantinos A, Beg F, **Wang L**. Hippocampal subfield deformation shows unique patterns associated with amyloid-beta, TDP-43, and PHF-TAU burden. Alzheimer Association International Conference. Virtual; 2020.
55. Stocks J, Popuri K, Beg MF, **Wang L**, Alzheimer's Disease Neuroimaging Initiative. Title: Network-Level Relationships between Cortical Neurodegeneration and FDG-PET Hypometabolism across Clinical and A/T/N Subgroups in AD. Alzheimer Association International Conference. Virtual; 2020.
56. Joie RL, Olsen R, Berron D, Amunts K, Augustinack J, Bakker A, Bender A, Boccardi M, Bocchetta M, Chakravarty MM, Chetelat G, Flores Rd, DeKraaker J, Ding SL, Insausti R, Kedo O, Mueller SG, Ofen N, Palombo D, Raz N, Stark CE, **Wang L**, Yushkevich PA, Yu Q, Carr VA, Wisse L, Daugherty AM. The development of a valid, reliable, harmonized segmentation protocol for hippocampal subfields and medial temporal lobe cortices: A progress update. Alzheimer Association International Conference. Virtual; 2020.
57. Yee E, Popuri K, Ma D, **Wang L**, Beg MF. Structural-MRI-based Alzheimer's disease dementia score using 3D convolutional neural networks to achieve accurate early disease prediction. Alzheimer Association International Conference. Amsterdam; 2020.
58. Taylor A, Zhang FZ, Heywood A, Stocks J, **Wang L**. Investigating the temporal pattern of neuroimaging based brain age prediction as a biomarker for dementia. JSM 2020 (Joint Statistical Meeting 2020). Virtual; 2020.
59. Jiang W, Chen J, Bizzozero NIP-, Calhoun VD, van Erp TGM, Agartz I, Andreassen OA, Wang L, Pearlson GD, Glahn DC, Hong E, Liu J, Turner JA. Multivariate Brain Alterations in Insula - Medial Prefrontal Cortex Linked to Schizophrenia Genetic Risks in 12q24. World Congress of Psychiatric Genetics. Virtual; 2020.
60. Jenkins LM, Chiang JJ, Vause K, Hoffer L, Alpert K, Parrish TB, **Wang L**, Miller GE. Longitudinal associations between socioeconomic status and subcortical brain structure in adolescents. Annual Meeting of the American College of Neuropsychopharmacology (ACNP). Virtual; 2020.
61. Gupta S, Petersen J, Cobia D, Dokucu ME, Donnelly ED, Gradishar WJ, Mihailovic M, Paice JA, Reilly JL, Voss JL, Wagner L, **Wang L**. Cortical Gray Matter Alterations in Breast Cancer Patients Undergoing Hormone Therapy Annual Meeting of the International Neuropsychological Society. Virtual; 2021.
62. Jenkins L, Heywood A, Bae J, Westlund-Schreiner M, Shepard R, Stange J, Leow A, **Wang L**, Langenecker S. Cortical thickness associated with previous year mood episode in major depressive and bipolar disorders. Annual Meeting of the International Neuropsychological Society. Virtual; 2021.
63. Stocks J, Popuri K, Beg MF, **Wang L**. Concordance between Cortical Neurodegeneration and FDG-PET Hypometabolism across Brain Networks Differentially Predicts Memory Decline in "A/T/N" subgroups of Alzheimer's Disease. Annual Meeting of the International Neuropsychological Society. Virtual; 2021.

64. Cobia D, Rich C, Gonzalez PE, Smith MJ, Csernansky JG, **Wang L**. Distinct thalamic abnormalities differentially relate to cognition in early-onset relative to adult-onset schizophrenia. Annual Meeting of the Society of Biological Psychiatry. Virtual; 2021.
65. Jenkins LM, Heywood AA, Wu JL, Hosseini B, Shepard R, Che T, Mihailovic M, Stange JP, **Wang L**, Langenecker SA. Activity in executive control and salience network regions during inhibitory control is associated with current mood symptoms in major depression and bipolar disorder. Annual Meeting of the Society of Biological Psychiatry. Virtual; 2021.
66. Rootes-Murdy K, Jiang W, Duan K, Chen J, Edmond J, Dorn K, Calhoun VD, Agartz I, Andreassen OA, **Wang L**, Pearlson GD, Ehrlich S, Perrone-Bizzozero N, Liu J, Turner JA. Hierarchical Cluster Analysis for Gray Matter and Symptom Subtype in Schizophrenia. Annual Meeting of the Society of Biological Psychiatry. Virtual; 2021.
67. van Erp T, Rasser PE, Schall U, Albajes-Eizagirre A, Kircher T, Dannlowski U, López-Jaramillo C, Diaz-Zuluaga AM, Pineda-Zapata J, Agartz I, Quidé Y, Green M, Ehrlich S, Alpert K, **Wang L**, Satterthwaite T, Kaiser S, Kirschner M, Aleman A, Marsman J-B, Spalletta G, Banaj N, Radua J, Borgwardt S, Gao B, Thompson PM, Calhoun V, Turner J. Deep Brain Structure Volume and Cortical Thickness Associations With Negative Symptom Domains in Schizophrenia. Annual Meeting of the Society of Biological Psychiatry. Virtual; 2021.
68. Che T, Kim S, Greene DJ, Heywood A, Schlaggar BL, Black KJ, **Wang L**. Relationships between Subcortical Shape and Longitudinal Symptom Change in Tic Disorders. Annual Meeting of the Society of Biological Psychiatry; April 30; Virtual2021.
69. Che T, Kim S, Heywood A, Black KJ, **Wang L**. Relationships between Subcortical Shape and Longitudinal Symptom Change in Tic Disorders. 31st Annual Meeting of the American Neuropsychiatric Association; March 19; Virtual2021.
70. Che T, Kim S, Greene DJ, Heywood A, Schlaggar BL, Black KJ, **Wang L**. Predicting Clinical Course from Subcortical Shape in Provisional Tic Disorder. Organization for Human Brain Mapping's Annual Meeting; June 24; Virtual2021.
71. Caceres GA, Malee K, Smith R, Williams PL, **Wang L**, Jenkins LM. Brain network integrity and emotional-behavioral symptoms in youth with perinatally-acquired HIV. *Organization for Human Brain Mapping's Annual Meeting*. Virtual; 2021.
72. Heywood A, Scheinder J, Bennet D, Arfanakis K, Beg F, Wang L. Sparse canonical correlation analysis reveals relationships between TDP-43 within the entorhinal cortex and fractional anisotropy across widespread white matter tracts Alzheimer Association International Conference; July; Denver2021.
73. Stocks J, Popuri K, Beg MF, **Wang L**. Within- and Across- Network Relationships between Cortical Atrophy and Hypometabolism across A/T/N subgroups of the Alzheimer's Disease Continuum. Alzheimer Association International Conference; July; Denver2021.
74. Jenkins LM, Gupta S, Kouchakidivkolaei M, Weintraub S, Rosen H, **Wang L**. A transdiagnostic study of morphometric similarity networks in apathy and disinhibition in dementia Annual Meeting of the American College of Neuropsychopharmacology (ACNP); San Juan2021.

b. Invited Talks

Northwestern University

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| 4/14/2010 | “Hippocampal Shape as Neuroimaging Marker of Alzheimer Disease,” Grand Rounds, Department of Psychiatry and Behavioral Sciences, NUFSM |
| 1/2011 | “From Hippocampal Neuroanatomical Biomarker to Complex Phenotype,” Department of Psychiatry and Behavioral Sciences, NUFSM |
| 2/24/2011 | “Does Shape Matter? Imaging the Hippocampus in Dementia,” Cognitive Neurology and Alzheimer’s Disease Center, NUFSM |
| 9/2011 | “Neuroimaging Research in Psychiatry: Assessing Brain Structure & Function,” Department of Psychiatry and Behavioral Sciences, NUFSM |

- 2/15/2011 “Neuroimaging Structure, Function, & Behavior,” Brain Tumor Institute, NUFSM
 2/29/2012 “NU Neuroimaging Data Archive NUNDA,” Cognitive Brain Mapping Group, Northwestern University
 4/5/2013 “Cognitive Impairment in Breast Cancer Patients Receiving Adjuvant Therapy,” Asher Center for the Study and Treatment of Depressive Disorders, Northwestern University
 4/25/2013 “NU Neuroimaging Data Archive NUNDA,” Department of Radiology, NUFSM
 5/9/2013 “Assessing Brain Networks in Neurodevelopment,” Hartwell Foundation, NUFSM
 6/10/2013 “Cognitive Impairment in Breast Cancer Patients Receiving Adjuvant Therapy,” Supportive Oncology, Robert H. Lurie Comprehensive Cancer Center, NUFSM
 2/3/2014 “HippoPCI: Hippocampal Predictors of Cognitive Impairment in Breast Cancer Patients,” Cancer Control & Survivorship, Robert H. Lurie Comprehensive Cancer Center, NUFSM
 4/22/2014 “Multimodal Neuroimaging Markers for Neuropsychiatric Disorders,” Northwestern Computational Research Day, Northwestern University
 5/9/2014 “Multimodal Neuroimaging Markers for Neuropsychiatric Disorders.” A.C. Nielsen Basal Ganglia Research Day: On the Path to Translation, NUFSM
 10/15/2014 “SchizConnect: A One-Stop Web-Based Resource for Large-Scale Schizophrenia Neuroimaging Data Integration.” Cognitive Brain Mapping Group, Northwestern University
 10/19/2016 “Structure, Activity, Connectivity & Cognition.” Asher Center for the Study and Treatment of Depressive Disorders, NUFSM
 2/8/2017 “Hippocampal dysfunction in cancer-treatment related cognitive impairment: Findings from the Lynn Sage pilot project.” Cognitive Brain Mapping Group, Northwestern University
 2/13/2018 “Hippocampal-Prefrontal Network Dysfunction in Breast Cancer Survivors Undergoing Adjuvant Therapy.” Rheumatology Grand Rounds, NUFSM
 2/19/2018 “Can neuroimaging diagnose neurodegenerative diseases? A Work in Progress” Research Networking Luncheon Seminar Series, Northwestern University
 2/20/2018 “Hippocampal-Prefrontal Network Dysfunction in Breast Cancer Survivors Undergoing Adjuvant Therapy.” Cancer Behavioral Science Seminar, NUFSM

The Ohio State University

- 12/9/2021 “Deep Brain Structural Shape in Schizophrenia,” Center for Cognitive and Behavioral Brain Imaging Annual Research Day Featured Faculty Talks
 2/9/2022 “Structural Neuroimaging Biomarkers by Computational Anatomy and FAIR Play,” Department of Psychiatry and Behavioral Health Grand Rounds

External

- 4/4/2012 “Hippocampal Shape as Neuroimaging Marker of Alzheimer Disease,” Department of Neurological Sciences, Rush Medical College (host: Leyla deToledo-Morrell, MD)
 10/5/2012 “Integrated Cortical Structural Marker for Alzheimer’s Disease,” MICCAI 2012 Workshop on Novel Imaging Biomarkers for Alzheimer's Disease and Related Disorders, Nice, France
 6/21/2013 “Hippocampal subfield surface zone maps on T1 scans,” Hippocampal Subfield Segmentation Summit (HS3), University of California, Davis
 9/30/2013 “Relationship between Cortical Thinning and Cortical FDG Hypometabolism in Individuals with Progressive MCI and AD,” International Conference on Psychology, Autism and Alzheimer's Disease, San Antonio, TX
 3/20/2014 “Multimodal Neuroimaging Markers for Neuropsychiatric Disorders,” Workshop on Integrating Modalities and Scales in Life Science Imaging, Mathematical Biosciences Institute, The Ohio State University, Columbus, OH
 9/16/2014 “SchizConnect: Large-Scale Schizophrenia Neuroimaging Data Integration and Sharing,”

- National Institute of Mental Health, Bethesda, MD
- 12/2/2014 “Large-Scale Schizophrenia Neuroimaging Data Sharing: Big Data, Data Mediation & SchizConnect,” Center for Neuroimaging, Indiana University (host: Andrew Saykin, PhD)
- 12/7/2014 “SchizConnect: Large-Scale Schizophrenia Neuroimaging Data Integration and Sharing,” Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Hot Topic Session, Phoenix, AZ
- 3/6/2015 “Connecting Treatment Response to Each Patient’s Brain through Computational Anatomy and Changes in Cognition and Function” Society for Brain Mapping & Therapeutics, Workshop on Mathematical Modeling in Brain Mapping & Therapeutics, Los Angeles, CA
- 3/30/2015 “SchizConnect: A One-Stop Web-Based Resource for Large-Scale Schizophrenia Neuroimaging Data Integration,” International Congress on Schizophrenia Research. Colorado Springs, CO
- 10/21/2015 “MRI of mouse model of TDP-43 shows widespread volume loss at 10 weeks of age.” Annual Meeting of the Society for Neuroscience. Chicago, IL
- 10/28/2015 “Long-term effects of perinatally-acquired HIV on the subcortical shape of the adolescent brain,” Pediatric HIV/AIDS Cohort Study (PHACS) 2015 Fall Network Meeting, Bethesda, MD
- 3/24/2016 “Can Structural Neuroimaging Predict Specific Neuropathologies in Dementia?” Biomedical Research Imaging Center, University of North Carolina at Chapel Hill School of Medicine (host: Dinggang Shen, PhD)
- 6/2/2016 “Ante-Mortem MRI Markers for TDP-43 and AD in the Hippocampus.” 7th Annual Rush Alzheimer’s Disease Center ROSMAP Investigator’s Meeting, Rush University Medical Center, Chicago, IL
- 8/29/2016 “Can Structural Neuroimaging Predict Specific Neuropathologies in Dementia? A Work in Progress?” Klinik für Psychiatrie und Psychotherapie, Universitätsklinikum Köln, Cologne, Germany (host: Ralf Tepest, PhD)
- 9/20/2016 “SchizConnect: Flexible, Dynamic Platform for Mediating Multiple Schizophrenia Neuroimaging Databases.” Midwest Workshop on Big Neuroscience Data, Tools, Protocols & Services, University of Michigan, Ann Arbor, MI
- 11/3/2016 “Computational Tools for Atlas-Based Structural MRI Segmentation and Statistical Analysis of Structural Shape with Application in Neuroplasticity.” American Congress of Rehabilitation Medicine Annual Conference, Progress in Rehabilitation Research, Neuroplasticity Symposia Session on the Neuroimaging Toolbox – Understanding the Different Methods to Study Neuroplasticity, Chicago, IL
- 9/8/2016 “SchizConnect work-in-progress: data mediation, BIDSification, and pipelines for neuroimaging research in schizophrenia.” Big Data Neuroscience Workshop 2017, University of Indiana, Bloomington, IN
- 9/26/2017 “Long-term effects of perinatally-acquired HIV on the adolescent brain: findings from the PHACS pilot neuroimaging study,” Pediatric HIV/AIDS Cohort Study (PHACS) 2017 Fall Network Meeting, Bethesda, MD
- 3/23/2018 “Hippocampal-Prefrontal Network Dysfunction in Breast Cancer Survivors Undergoing Adjuvant Therapy.” Distinguished Speaker, Brigham Young University Neuroscience Seminar, Provo, UT
- 6/15/2018 “Can neuroimaging diagnose neurodegenerative diseases?” ICSA 2018 Applied Statistics Symposium. New Brunswick, NJ
- 6/29/2018 “Computational Anatomy and Neuroimaging Biomarkers for Neuropsychiatric Diseases,” From Biomarkers to Disease: Diagnostic Approaches to Mental Illness, Training in Emerging Multidisciplinary Approaches to Mental Health and Disease, University of Chicago, Chicago, IL

- 9/6/2018 “SchizConnect and DataBridge for Big Data Neuroscience,” Big Data Neuroscience Workshop 2018, Case Western Reserve University, Cleveland, OH
- 2/5/2019 “Deep Brain Structural Shape as Biomarkers for Neuropsychiatric Disorders,” Cognitive Neuroscience Seminar, Loyola University Chicago, IL
- 2/21/2019 “Deep Brain Structural Shape as Biomarkers for Neuropsychiatric Disorders,” Computational Neuroscience Seminar, Illinois Institute of Technology, Chicago, IL
- 5/15/2019 “Shape Asymmetry of Deep Brain Structural Structures in 2763 Individuals with Schizophrenia Compared to 3768 Healthy Volunteers in a Prospective Shape Meta-Analysis via the ENIGMA Consortium.” Symposium on Fine-Scale Mapping of Brain Abnormalities in the Affective Disorders: Recent Findings from the Enigma Schizophrenia, Major Depression and Bipolar Working Groups, Annual Meeting of the Society of Biological Psychiatry; Chicago, IL
- 6/13/2019 “Hippocampal-Prefrontal Network Dysfunction in Breast Cancer Survivors Undergoing Adjuvant Therapy,” Klinik für Psychiatrie und Psychotherapie, University of Cologne, Germany
- 10/4/2019 “SchizConnect,” ReprONim and SchizConnect Workshop: A Project-Centered Example of Containers and Semantic Markup, Chicago, IL
- 4/11/2020 “Trajectories of Emotional Regulation and Behavior Outcomes and related Brain Regions and Intrinsic Networks,” Pediatric HIV/AIDS Cohort Study (PHACS) Spring 2020 Leadership Retreat, Virtual
- 7/14/2020 “Alliance Foundation Trials (AFT) ARACOG: Neuroimaging,” Prostate Cancer Foundation, Virtual
- 10/7/2020 “SchizConnect and NeuroBridge,” NeuroBridge Webinar
- 5/7/2021 “Trajectories of Emotional Regulation and Behavior Outcomes and Related Brain Regions And Intrinsic Networks,” Pediatric HIV/AIDS Cohort Study (PHACS) Spring 2021 Meeting, Virtual
- 5/27/2021 “Hippocampal subfield deformation shows unique pattern associated with amyloid-beta, TDP-43, and PHF-Tau burden,” 12th Annual Rush Alzheimer’s Disease Center ROSMAP Investigator’s Meeting, Rush University Medical Center, Chicago, IL, Virtual
- 9/3/2021 “NeuroBridge: Connecting Big Data for Clinical Neuroscience,” The 2021 Workshop of the Advanced Computational Neuroscience Network (ACNN), Virtual
- 12/1/2021 Panelist, NIDA-NSF Workshop on Training in Computer Science and Addiction Science: Bringing Fields Together
- 1/6/2022 “Structural Neuroimaging Biomarkers by Computational Anatomy,” Northwestern University Institute for Innovations in Developmental Sciences T32 Webinar
- 2/11/2022 “Unique contribution of TDP-43 to antemortem hippocampal shape morphometry,” Biomarker panel, NIA Limbic-predominant Age-related TDP-43 Encephalopathy (LATE) 2022 Conference
- 4/25/2022 “Predicting Disease Progression in Alzheimer's and Frontotemporal Dementia,” Rotman Research Institute-Baycrest Rounds, Virtual