

## Curriculum Vitae ANDREW A. PIEPER

### Current Address:

Office: Case Western Reserve University  
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Shaker Heights, OH 44120  
cell: (972) 768-1935  
e-mail: AndrewAPieper@gmail.com

**Birthdate:** April 21, 1970 (Covington, Louisiana)

**Citizenship:** United States

### Education:

1992 B.A. Earlham College, Richmond, IN (Biology and Chemistry Majors)  
2001 M.D. Johns Hopkins University School of Medicine, Baltimore MD  
2001 Ph.D. Johns Hopkins University School of Medicine Department of Neuroscience  
(Laboratory of Dr. Solomon H. Snyder)  
2021 – 2023 (expected graduation May 2023) – Executive Master of Business  
Administration (EMBA), with Focus in Health Care – Weatherhead School of  
Management, Cleveland Clinic / Case Western Reserve University

### Postdoctoral Training:

#### Internship and Residency

2001-2002 Internship, Medicine, Johns Hopkins Hospital - Bayview, Baltimore, MD  
2002-2004 2nd and 3rd Year Resident Physician, Psychiatry, Johns Hopkins  
Hospital, Baltimore, MD  
2004-2005 4th Year Resident Research Tract Physician, Psychiatry, UT  
Southwestern Medical Center, Dallas, TX

#### Fellowship

2005-2006 Research Fellow in Biochemistry, UT Southwestern Medical Center,  
Dallas, TX (Laboratory of Dr. Steven L. McKnight)

### Licensure and Certification:

2006 Texas Medical License M3358  
2007, 2017 American Board of Psychiatry and Neurology  
2012, 2018 Iowa Medical License 40699  
2018 - present Ohio Medical License 25.134828

### Academic Appointments:

2006-2012 Assistant Professor in Psychiatry and Biochemistry, UT Southwestern  
Medical Center  
2012-2015 Associate Professor in Psychiatry, University of Iowa Carver College of  
Medicine  
2012-2018 Director of Translational Neuroscience in Psychiatry, University of Iowa  
Carver College of Medicine  
2013-2018 Psychiatrist, Iowa City VA Health Care System  
2014-present Faculty Member, Weill Cornell Autism Research Center (WCARP)  
2015-2018 Professor in Psychiatry, University of Iowa Carver College of Medicine  
2017-2018 Associate Director for Strategic Development, Iowa Neuroscience

Institute, University of Iowa Carver College of Medicine  
 2018-2021 Adjunct Professor of Psychiatry, University of Iowa Carver College of  
 Medicine

2018-present Professor of Psychiatry, Case Western Reserve University  
 2018-present Professor of Neuroscience, Case Western Reserve University  
 2018-present Director, Neurotherapeutics Center, Harrington Discovery Institute  
 2018-present Morley-Mather Chair in Neuropsychiatry, University Hospitals Case  
 Medical Center  
 2018-present Psychiatrist, Louis-Stokes Cleveland VA Medical Center  
 2019-present Director, Translational Therapeutics Core, Cleveland Alzheimer's Disease  
 Research Center

**Awards and Honors:**

1987 Eagle Scout  
 1988 Earlham College Community Service Scholarship  
 1992 Chemistry Departmental Honors, Earlham College  
 1992 Biology Departmental Honors, Earlham College  
 1992 College Honors, Earlham College  
 1992 Earlham College Russel L. Malcom Premedical Award  
 1992 Phi Beta Kappa  
 2003 Johns Hopkins University Department of Psychiatry Administrative Resident  
 2003 Janssen Research Scholars on Severe Mental Illness / APIRE Fellowship  
 2005 UTSWMC Department of Psychiatry Chairman's Research Award  
 2005 UTSWMC Physician Scientist Training Program Fellowship  
 2005 UTSWMC David Nathan Meyerson Fellow in Psychiatric Research  
 2006 Lilly Psychiatric Research Fellowship  
 2007 Merck Early Academic Career Award  
 2007 NARSAD Young Investigator Award  
 2007 Hartwell Individual Biomedical Research Award  
 2008 Hartwell Biomedical Research Collaboration Award  
 2008 Rett Syndrome Research Trust Research Award  
 2009 NARSAD Young Investigator Award  
 2009 UTSWMC Hi Risk / Hi Impact Research Award  
 2009 American College of Neuropsychopharmacology Travel Award  
 2009 Staglin Family Rising Star Research Award (IMHRO)  
 2010 Ted Nash Long Life Foundation Research Award  
 2011 Friends of the Alzheimer's Disease Center Research Award  
 2011 Daniel X Freedman Award, Honorable Mention for Outstanding Basic Research  
 Achievement by a Brain and Behavior Research Foundation Young  
 Investigator  
 2014 University of Iowa Inventor Award  
 2016 Elected to American Society for Clinical Investigation  
 2017 University of Iowa Inventor Award  
 2021 Elected to The American College of Psychiatrists

**Professional Societies:**

1990 – present Society for Neuroscience  
 1993 – present American Psychiatric Association  
 2013 – present Psychiatric Research Society  
 2016 – present American Society for Clinical Investigation

2016 – present	Society for Redox Biology and Medicine
2017 – present	Sigma Xi Scientific Research Society
2017 – present	Society of Biological Psychiatry
2018 – present	American Heart Association
2018 – present	American Association for the Advancement of Science
2018 – present	American Federation for Medical Research
2019 – present	Alzheimer’s International Society
2020 – present	National Neurotrauma Society
2021 – present	Global Association for the Study of Neurodegenerative Diseases
2021 – present	The American College of Psychiatrists

**Invited Scientific Talks:**

- 1998 Annual Meeting on Ataxia-Telangiectasia, NIH
- 2005 Janssen Research Scholars on Severe Mental Illness / APIRE, Emory University
- 2006 Annual Research Colloquium for Junior Investigators: Neuroscience and Neuroimaging Across the Lifespan, APIRE
- 2006 Neurogenesis and the Adult Brain. Banbury Center, Cold Spring Harbor Laboratory
- 2006 Cold Spring Harbor Laboratory Schizophrenia Workshop. Banbury Center, Cold Spring Harbor Laboratory
- 2007 Symposium on Basic Genetics of Psychiatric Disease. International Conference on Schizophrenia Research
- 2007 Cold Spring Harbor Laboratories Department of Neuroscience Seminar
- 2007 8th Annual Rett Syndrome Symposium. Chicago, IL
- 2008 Schizophrenia Research Project Seminar. Tokyo Institute of Psychiatry Tokyo, Japan
- 2008 Riken BSI Seminar. Tokyo, Japan
- 2008 University of Tokyo Neurogenesis Meeting. Tokyo, Japan
- 2008 Tohoku University Neuroscience Seminar. Sendai, Japan
- 2008 Rett Syndrome: Translating Basic Mechanisms into Novel Treatment Strategies
- 2008 Duke University Department of Neurobiology Seminar
- 2008 1<sup>st</sup> Annual Hartwell Foundation Meeting. Memphis, TN
- 2009 Department of Neuroscience Seminar. Centre de Recherche du CHUL (CHUQ). Quebec
- 2009 2<sup>nd</sup> Annual Hartwell Foundation Meeting. Memphis, TN
- 2009 Staglin Family Rising Star Award Lecture
- 2009 Johns Hopkins University Department of Psychiatry Seminar, Division of Molecular Psychiatry, Baltimore, MD
- 2010 University of Virginia Department of Neuroscience Seminar
- 2010 3<sup>rd</sup> Annual Hartwell Foundation Meeting, Ithaca, NY
- 2010 Neuroscience of Schizophrenia, Neuro2010 Kobe, Japan
- 2010 Department of Natural Science University Lecture, University of Puerto Rico
- 2010 Neuroscience Seminar, Biogen, Boston, MA
- 2011 UT Southwestern Medical Center, Department of Psychiatry Grand Rounds
- 2011 Burke/Cornell Medical Research Institute Neuroscience Seminar
- 2011 Gail F. Beach Memorial Visiting Lectureship, Miami Project to Cure Paralysis
- 2011 Graduate Program in Neuroscience, Department of Neurology and Neuroscience, PINS (Progress in Neuroscience Seminar), Weill Cornell Medical College, New York, NY
- 2011 Division of Neurobiology, Department of Psychiatry Seminar, Johns Hopkins University School of Medicine, Baltimore, MD

- 2011 Neurogenesis 2011 (co-organizer of meeting), Kobe, Japan
- 2011 Mini-symposium on Autism - MIND Institute – UC Davis, Sacramento, CA
- 2011 Mt. Sinai Friedman Brain Institute Seminar, New York, NY
- 2011 Fourth Annual Hartwell Foundation Meeting, Memphis, TN
- 2011 University of Iowa Department of Psychiatry Seminar, Iowa City, IA
- 2012 Evaluating New Molecules and Therapies in Psychopharmacology. Key Issues Facing Psychiatry: What's New, Important and Changing. Johns Hopkins University. Psychiatry Care Live
- 2012 Ironwood Pharmaceuticals Lecture on Drug Discovery, Boston, MA
- 2012 Alzheimer's Disease Center Research Seminar, UT Southwestern Medical Center, Dallas, TX
- 2012 Translational Research in Mechanisms of Neurodegeneration Seminar, UTSWMC, Dallas, TX
- 2012 Convergence on Aging Seminar Series, UTSWMC, Dallas, TX
- 2012 University of Alabama at Birmingham (UAB) Dept of Neurobiology Seminar, Birmingham, AL
- 2012 University of Iowa Carver College of Medicine Psychiatry Research Seminar, Iowa City, IA
- 2012 5<sup>th</sup> Annual Hartwell Foundation Meeting, Duke University, Durham, NC
- 2012 University of Iowa Carver College of Medicine Department of Neurology Grand Rounds, Iowa City, IA
- 2013 Annual Society of Biological Psychiatry Meeting, San Francisco, CA
- 2013 University of Iowa Carver College of Medicine MSTP Summer Seminar Series, Iowa City, IA
- 2013 Kirksville College of Osteopathic Medicine Neuroscience Seminar, Kirksville, MO
- 2013 Paul W. Penningroth Lecture Cedar Centre Psychiatric Group, Cedar Rapids, IA
- 2013 Peking-Tsinghua Center for Life Sciences & College of Life Science, Beijing, China
- 2013 University of Iowa Carver College of Medicine Psychiatry Research Seminar, Iowa City, IA
- 2013 6<sup>th</sup> Annual Hartwell Foundation Meeting, University of Virginia, Charlottesville, VA
- 2013 University of Puerto Rico RISE seminar, San Juan, PR
- 2013 University of Iowa Carver College of Medicine Department of Human Toxicology Department Seminar, Iowa City, IA
- 2013 University of Iowa Carver College of Medicine Department of Molecular and Cellular Biology Seminar, Iowa City, IA
- 2013 University of Iowa Carver College of Medicine Psychiatry Resident Research Conference Seminar, Iowa City, IA
- 2013 University of Iowa Carver College of Medicine Free Radical & Radiation Biology Program Seminar, Iowa City, IA
- 2013 University of Iowa Carver College of Medicine Department of Molecular Physiology and Biophysics Seminar, Iowa City, IA
- 2013 University of Iowa Carver College of Medicine Department of Chemistry Seminar, Iowa City, IA
- 2014 University of Iowa Carver College of Medicine Department of Biochemistry Seminar, Iowa City, IA
- 2014 University of Chicago DNA Day Seminar, Chicago, IL
- 2014 University of Chicago Division of Neurodegenerative Disease Seminar, Chicago, IL
- 2014 University of Iowa Carver College of Medicine School of Pharmacy Seminar, Iowa City, IA

2014 UTMB Galveston, Texas Department of Pharmacology Seminar, Galveston, TX  
 2014 University of Iowa Carver College of Medicine Neuroscience Graduate Program  
 Recruitment Seminar, Iowa City, IA  
 2014 Department of Neurosurgery Ojemann Lectureship, University of Iowa Carver  
 College of Medicine, Iowa City, IA  
 2014 AbbVie Company Seminar on Biology of P7C3 Compounds  
 2014 University of Puerto Rico – Minority Access to Research Careers (MARC)  
 Seminar, San Juan, PR  
 2015 University of Iowa Carver College of Medicine Resident Research Seminar, Iowa  
 City, IA  
 2015 University of Iowa Carver College of Medicine Neuroscience Graduate Program  
 Recruitment Seminar, Iowa City, IA  
 2015 Psychiatric Research Society, Salt Lake City, UT  
 2015 Translational Science 2015, Washington DC  
 2015 AbbVie Pharmaceuticals, Frankfurt, Germany  
 2015 Behavioral Neurology & Neuropsychiatry (BNNP) Conference, Baylor College of  
 Medicine, Houston, TX  
 2015 Center for Alzheimer’s and Neurodegenerative Diseases, UT Southwestern  
 Medical Center, Dallas, TX  
 2015 Sunovion Pharmaceuticals, Marlborough, MA  
 2015 University of Iowa Carver College of Medicine Department of Psychiatry Grand  
 Rounds, Iowa City, IA  
 2015 University of Nebraska Medical Center, Department of Pharmacology and  
 Experimental Neuroscience, Lincoln, NE  
 2016 Emory University Department of Neurology Grand Rounds, Atlanta, GA  
 2015 University of Iowa Carver College of Medicine Behavioral-Biomedical Interface  
 Training Program, Iowa City, IA  
 2016 University of South Dakota Department of Neurology Grand Rounds,  
 Vermillion, SD  
 2016 Mini Medical School, University of Iowa Carver College of Medicine, Tampa, FL  
 2016 Iowa State University College of Veterinary Medicine, Department of Biomedical  
 Sciences, Des Moines, IA  
 2016 University of Iowa Carver College of Medicine Department of Psychiatry Grand  
 Rounds, Iowa City, IA  
 2016 University of Iowa Carver College of Medicine Neuroscience Research Day, Iowa  
 City, IA  
 2017 Graduate Program in Neuroscience, Department of Neurology and  
 Neuroscience, PINS (Progress in Neuroscience Seminar), Weill Cornell  
 Medical College, New York, NY  
 2017 Department of Anesthesiology Grand Rounds, UTMB Galveston, TX  
 2017 Department of Psychiatry Grand Rounds, UTMD Galveston, TX  
 2017 Harrington Lecture Series, Harrington Discovery Institute, Case Western Reserve  
 University, Cleveland, OH  
 2017 Case Western Reserve University Department of Psychiatry Grand Rounds,  
 Cleveland, OH  
 2017 Johns Hopkins University Department of Neuroscience Seminar, Baltimore, MD  
 2017 Iowa Neuroscience Institute Alzheimer’s Association Meeting, Iowa City, IA  
 2017 Brockman Medical Research Foundation, Houston, TX  
 2017 Molecular Neuropsychiatry Meeting, San Francisco, CA  
 2017 Cytokinetics Inc, San Francisco, CA  
 2018 Holden Comprehensive Cancer Center Grand Rounds, University of Iowa Carver

College of Medicine, Iowa City, IA

- 2018 Case Western Reserve University MSTP Retreat, Newbury, OH
- 2018 Cleveland Clinic Foundation, Department of Neuroscience, Cleveland, OH
- 2018 Louis Stokes VA Medical Center Grand Rounds, Cleveland, OH
- 2018 Case Western Reserve University Department of Pathology, Cleveland, OH
- 2019 Case Western Reserve University Department of Neuroscience, Cleveland, OH
- 2019 International Forum of Neurosciences, Brussels, Belgium
- 2019 7<sup>th</sup> Annual Scientific Conference of the European Association of Psychosomatic Medicine, Rotterdam, The Netherlands
- 2019 Novel Treatment Approaches: Focus on Parkinson's Disease and Other Neurodegenerative Disorders, The Brockman Medical Research Foundation, Aspen, CO
- 2019 Neuroprotection in Neuropsychiatric Disorders, The Brockman Medical Research Foundation, Aspen, CO
- 2019 Louis Stokes VA Medical Center Academic Partnership, Cleveland, OH
- 2019 Rehabilitation Research Seminar, MetroHealth Medical Center, Cleveland, OH
- 2020 Restoring the Neurovascular Unit, Stanford University, CA
- 2020 New Approaches to Treating Traumatic Brain Injury, Alaska Brain Institute, Anchorage, AK, February 29, 2020
- 2020 Acetylated Tau as a New Biomarker and Therapeutic Target in Traumatic Brain Injury, Alaska Brain Institute, Anchorage, AK, February 29, 2020
- 2020 A Novel Target and Biomarker of TBI, Creating Roadmaps to Assess Visual Consequences of TBI, VA Field-based Meeting, June 24, 2020
- 2020 Acetylated Tau as a New Biomarker and Therapeutic Target in Traumatic Brain Injury, Creating Roadmaps to Assess Visual Consequences of TBI, June 21, 2020, Washington DC
- 2020 Acetylated Tau as a New Biomarker and Therapeutic Target in Traumatic Brain Injury, University Hospitals of Cleveland Research and Innovation Day, Cleveland, OH, October 29, 2020
- 2020 New Opportunities for Neuroprotection, Louis-Stokes VA Medical Center of Cleveland, Topics in Geriatric Medicine: Dementia, Cleveland, OH, November 13, 2020
- 2020 Opportunities for Translation of Basic Science Discoveries in Alzheimer's Disease – 1<sup>st</sup> Annual Cleveland Alzheimer's Disease Research Center Joint Residency Education Component and Translational Therapeutics Core Retreat, Cleveland, OH, August 21, 2020
- 2020 Discovery and Development of Neuroprotective Drugs, University Hospitals of Cleveland Institute for Research and Development, Cleveland, OH, September 23, 2020
- 2021 Discovery of New Therapeutic Opportunities in Neurodegeneration, Louis Stokes VA Medical Center Research Seminar, Cleveland, OH, January 7, 2021
- 2021 Translational Therapeutics Core of the Cleveland Alzheimer's Disease Research Center, Cleveland Clinic Foundation, Cleveland, OH January 22, 2021
- 2021 Pharmacologic Approaches to Enhancing Functional Recovery After Brain Injury, Cleveland FES Center Seminar, Cleveland, OH, March 2, 2021
- 2021 Acetylated-tau as a diagnostic blood-based biomarker for brain injury and Neurodegeneration, Alamar Bio, Fremont, CA, March 17, 2021
- 2021 Diagnosis and Staging of Traumatic Brain Injury with Acetylated-Tau Blood Biomarker. UH Ventures, University Hospitals Cleveland Medical Center, Cleveland, OH, April 6, 2021
- 2021 Discovery of New Therapeutic Opportunities in Neurodegeneration. Concussion

- Group, University Hospitals Cleveland Medical Center, Cleveland, OH, April 28, 2021
- 2021 Translational Therapeutics Core, Cleveland ADRC, May 4, 2021
  - 2021 Chair, Case Studies: Chasing New Pathways, 15th Annual Drug Discovery for Neurodegeneration Workshop, Alzheimer's Drug Discovery Foundation, May 4-5, 2021
  - 2021 Discovery of New Therapeutic Opportunities in Neurodegeneration, Center for Translational Research on Inflammatory Diseases (CTRID), Baylor College of Medicine, Michael E. DeBakey VA Medical Center, Houston, TX, May 6, 2021
  - 2021 Discovery of New Neuroprotective Opportunities. University Hospitals of Cleveland Medical Center, Harrington Heart and Vascular Institute Seminar, Cleveland, OH, May 18, 2021
  - 2021 Discovery of a Neuroprotective Molecule. Inaugural International Research Conference on Neurodegenerative Diseases, Baltimore, MD, July 22-23, 2021. Co-Chair – Organelle Dynamics and Trafficking Session, Global Association for the Study of Neurodegenerative Diseases
  - 2021 Discovery and Application of a Neuroprotective Molecule in Brain Injury and Disease. Translational Neurosciences Symposium, Department of Neuroscience, Case Western Reserve University, Cleveland, OH, August 18, 2021
  - 2021 Application of Basic Neuroscience Discoveries to Development of Therapeutics, Combined Retreat of Neurodegeneration T32 and the Research Education Component (REC) and Translational Therapeutic Core (TTC) of Cleveland Alzheimer's disease Research Center (CADRC), University Squire Valleevue Farm, Hunting Valley, OH, August 19, 2021

**Community Presentations:**

- 2010 NPR Interview, KERA Dallas / Fort Worth
- 2010 International Mental Health Research Organization - Discovery of New Treatments for Mental Illness, Dallas, TX
- 2010 Little Elm High School - Careers in Mental Illness Research Series, Little Elm, TX
- 2011 Friends of the Alzheimer's Disease Center Lecture Series, Dallas, TX
- 2011 IMHRO Interview on Schizophrenia Treatment and Research, Free Your Mind Radio Show, Brian Canning, Next Wave Production, Los Angeles, CA
- 2013 Cedar Centre of Psychiatry guest lecturer, Cedar Rapids, IA
- 2014 The Daily Iowa Television Interview, May 5, 2014
- 2014 Iowa Public Radio, River to River Interview, September 12, 2014
- 2014 KCRG ABC Iowa City News Interview, September 20, 2014
- 2014 KWWL NMC Iowa City News Interview, October 15, 2014
- 2015 National Alliance for the Mentally Ill (NAMI), April 25, 2015
- 2017 University of Iowa Board of Regents, February 22, 2017
- 2018 Morley Mather Endowed Chair in Neuropsychiatry, April 26, 2018
- 2018 Cleveland Brain Health Initiative, August 30, 2018
- 2018 Neurological Institute Leadership Council, September 4, 2018
- 2018 Medical Student Career Day, February 28, 2018
- 2019 Brain Health and Memory at UH Today and Tomorrow, October 30, 2019
- 2019 Case Western Reserve University Alzheimer's Panel in Naples, Florida, January 24, 2019
- 2019 The Future of Medicine, Nexus & Morgan Stanley, New York City, NY, November 21, 2019
- 2020 Promoting Brain Health to Treat Neurodegenerative Diseases and Mental Health

- Crises Panel, May 29, 2020, United States House of Representatives, Washington DC
- 2020 Brain Health & Memory: The Promise of New Therapeutics, Naples, FL, February 17, 2020
- 2020 Brain Health & Memory: The Promise of New Therapeutics, Palm Beach, FL, February 19, 2020
- 2020 How Stress and Isolation Affect Brain Health, National Council of Jewish Women of Cleveland, May 13, 2020
- 2020 Protecting the Brain from Dementia, Cleveland Jewish News, June 4, 2020
- 2020 Life in Academic Medicine, Agre Society Lecture, Case Western Reserve University, Cleveland, OH, December 2, 2020
- 2021 Funding Opportunities in Neurodegenerative Diseases Panel, Alzheimer's Drug Discovery Foundation, February 17, 2021
- 2021 Tau acetylation in traumatic brain injury and Alzheimer's disease – Brain Explained. The Podcast by Abdullah Iqbal. April 25, 2021
- 2021 Recent Advances in Discovery and Development of Future Neuroprotective Therapies, June 29, 2021, Home of Claire and Morgan Dixon for friends of University Hospitals Cleveland Medical Center.
- 2021 Accelerating Breakthrough Discoveries in Alzheimer's Disease, Harrington Discovery Institute / Morgan Stanley, Cleveland / New York City, October 26, 2021.

#### Teaching:

- 2006-2012 Mentoring of Medical Students and Psychiatry Residents in Parkland Hospital Psychiatric Emergency Department
- 2006-2012 Psychiatry Medical Student and Resident Academic Teaching Rounds
- 2008, 2010 UT Southwestern Medical Center MSTP program lecturer
- 2006-2012 Case Studies in Ethics, UTSWMC Graduate Neuroscience Program
- 2008-2012 Co-organizer and Lecturer for Neurobiology of Mental Illness, Psychiatry / Neuroscience, UT Southwestern Medical Center
- 2006-2012 PGY3 UTSWMC Psychiatry residents, lecturer
- 2009-2012 Organizer of UT Southwestern Medical Center Neuroscience Graduate Works in Progress Seminar
- 2010-2012 Organizer of UT Southwestern Medical Center Psychiatry Residency Research Tract Lecture Series, and Lecturer
- 2010-2012 Integrative Biology UT Southwestern Medical Center Journal Club Organizer
- 2010-2012 Mentor in Psychiatry Resident Research Organization (PRO), UT Southwestern Medical Center
- 2012-2014 The Assessment of Risk for Suicide and Violence – R1/R2 residency Curriculum – University of Iowa Psychiatry Department
- 2012-2014 University of Iowa MSTP Grand Rounds Committee
- 2012-2013 Mentorship and Teaching of University of Iowa Psychiatry Residents in Emergency Medicine
- 2014 Lecture in Biochemistry Course for Dental / Pharmacy Students, University of Iowa Carver College of Medicine
- 2013-2018 Mentorship and Teaching of University of Iowa Carver College of Medicine Medical Students in VA Inpatient Psychiatric Unit
- 2013-2018 Mentorship and Reaching of University of Iowa Psychiatry Residents in VA Inpatient Psychiatric Unit



2014-2018	Instructor in Psychiatry Resident Journal Club, University of Iowa
2014-2016	Instructor / Faculty Facilitator in Topics in Molecular and Cellular Biology for Molecular and Cellular Biology Graduate Program, University of Iowa Carver College of Medicine
2014-2018	Clinical Skills Review / Certification for Psychiatry Residents, University of Iowa Carver College of Medicine
2014-2016	Course Instructor – Biosciences Critical Thinking and Communication for Molecular and Cellular Biology Graduate Program, University of Iowa Carver College of Medicine
2014	Psychiatry Resident (Dr. Abraham Assad) Elective Clinical Research Rotation
2019	ICTS Critical Thinking in Research and Collaboration, University of Iowa Carver College of Medicine
2021	Case Western Reserve University / Kaplan University Partners Neuroscience Course, focus on Alzheimer's disease

**Students supervised:**

Thesis Mentor

Hector De Jesús-Cortés:

PhD Student  
 Neuroscience Graduate Program  
 UT Southwestern Medical Center  
 Matriculation Date: July 1, 2011  
 Graduation Date: May 28, 2015  
 Recipient of NSF Fellowship  
 Post-doctoral Fellow – Mark Bear Laboratory, MIT

Terry Yin:

PhD Student  
 Interdisciplinary Studies (Molecular Psychiatry)  
 University of Iowa Carver College of Medicine  
 Matriculation Date: September 1, 2010  
 Graduation Date: May 15, 2015  
 Post-doctoral Fellow – Julien Sebag Laboratory, University of Iowa Carver College of Medicine, Molecular Physiology and Biophysics

Natalya Tesdahl

Masters Student  
 Department of Molecular Physiology and Biophysics  
 University of Iowa Carver College of Medicine  
 Matriculation Date: September 1, 2014  
 Graduation Date: May 1, 2017

Jaymie Voorhees

PhD Student  
 Human Toxicology Program  
 University of Iowa Carver College of Medicine  
 Matriculation Date: September 1, 2013  
 Graduation Date: May 1, 2017  
 Recipient University of Iowa Post-Comp Research Award - 2016

Rachel Genova  
MSTP student  
University of Iowa Carver College of Medicine  
Matriculation Date: September 1, 2014  
Graduation Date: July 1, 2020  
Recipient of F30 training award – 1F30EY027173

Maria Noterman  
PhD Student  
Neuroscience Program  
University of Iowa Carver College of Medicine  
Matriculation Date: March 1, 2015  
Graduation Date: December 1, 2020  
Recipient of NSF Fellowship  
Recipient of University of Iowa Presidential Fellowship - 2014  
Recipient of University of Iowa Department of Neuroscience Young  
Investigator Award – 2016

Rachel Schroeder  
PhD Student  
Neuroscience Program  
University of Iowa Carver College of Medicine  
Matriculation Date: September 1, 2017  
Graduation Date: June 1, 2021

Mallory Long  
Masters Student  
Department of Neuroscience  
Case Western Reserve University  
Matriculation Date: September 1, 2019  
Graduate Date: June 1, 2021

Preethy Sridharan  
MSTP student  
Neuroscience Program  
Case Western Reserve University  
Matriculation date: March 1, 2018  
Expected Graduation Date: August 1, 2022

Sarah Barker  
MSTP student  
Pathology Program  
Case Western Reserve University  
Matriculation Date: September 1, 2020  
Expected Graduation Date: August 1, 2025

Nichole Ducich  
MD Student  
Case Western Reserve University  
2020 – present

Emiko Miller  
PhD Student  
Neuroscience Program  
Case Western Reserve University  
Matriculation Date: September 1, 2020  
Expected Graduation Date: August 1, 2025

Yeojung Koh  
PhD Student  
Pathology Program  
Case Western Reserve University  
Matriculation Date: September 1, 2020  
Expected Graduation Date: August 1, 2025

Sofia Corella  
MSTP Student  
Neuroscience Program  
Case Western Reserve University  
Matriculation Date: September 1, 2021  
Expected Graduation Date: August 1, 2026

**Postdoctoral Fellows:**

Pin Xu, PhD (2009 – 2012)  
Terry Tin, PhD (2015-2016)  
Josie Schamp, PhD (2017-2020)  
Edwin Vázquez-Rosa, PhD (2014 – 2019)  
Min Kyoo-Shin, PhD (2015 – 2019)  
Anya Kondratova, PhD (2019 – 2021)  
Matasha Dhar, PhD (2019 – present)  
Kalyani Chaubey, PhD (2019 – present)

**Thesis Committee Member:**

Charles Taylor (mentor: Dr. Matthew Goldberg, UTSWMC)  
Katie Seamens (mentor: Dr. Matthew Goldberg, UTSWMC)  
Rachel Arey (mentor: Dr. Colleen McClung, UTSWMC)  
Angela Walker (mentor: Dr. Jeffrey Zigman, UTSWMC)  
Sarah Hendrix (mentor: Dr. Carol Tamminga, UTSWMC)  
Bianca Mason (mentor: Dr. Andrew Russo, UICCOM)  
Shiyi Wang (mentor: Dr. Amy Less, UICCOM)  
Sabah Enayah (mentor: Dr. Laurence Fuortes, UICOPH)  
Carly Lewis (mentor: Dr. Mike Anderson and Dr. John Fingert, UICCOM)  
Dylan Todd (mentor: Dr. Dan Bonthuis, UICCOM)  
Muhammad Taifur Rahman (mentor: Dr. Steven Green, UICCOM)  
Sharon Idiga (mentor: Dr. Matthew Pothoff, UICCOM)  
Stacey Peek (mentor: Dr. Josh Weiner, UICCOM)  
Di Hu (mentor: Dr. Xin Qi, Department of Physiology and Biophysics, Case Western Reserve University)  
Meagan Kitt (mentor: Dr. Evan Deneris, Department of Neuroscience, Case Western Reserve University)

Katherine Horan (mentor: Dr. Xin Qi, Department of Physiology and Biophysics, Case Western Reserve University)  
Jingyi Lu (mentor: Dr. Ashleigh Schaffer, Department of Genetics and Genome Sciences, Case Western Reserve University)  
Joel Sax (mentor: Dr. Drew Adams, Case Western Reserve University)  
Curran Landry (mentor: Dr. Helen Miranda, Department of Genetics and Genome Sciences, Case Western Reserve University)  
David Sweet (mentor: Dr. Mukesh Jain, Department of Medicine, Case Western Reserve University)  
Lucie Yeongran Ahn (mentor: Dr. Ashleigh Schaffer, Department of Genetics and Genome Sciences, Case Western Reserve University)  
Jessica Dudman (mentor: Dr. Xin Qi, Department of Physiology and Biophysics, Case Western Reserve University)  
Aya Aqeel (mentor: Dr. Sunnie Chung, Department of Electrical Engineering and Computer Science of Cleveland State University)  
Bijoya Basu (mentor: Dr. Atul Chopra, Department of Genetics, Case Western Reserve University)

**Graduate School Qualifying Exam Committees:**

Melissa Bawa (UTSWMC)  
Cameron Day (UTSWMC)  
Bianca Mason (mentor: Dr. Andrew Russo, University of Iowa)  
Shiyi Wang (mentor: Dr. Amy Less, University of Iowa)  
Carly Lewis (mentor: Dr. Mike Anderson and Dr. John Fingert, University of Iowa)  
Dylan Todd (mentor: Dr. Dan Bonthuis, University of Iowa)  
Ryan Kelley (mentor: Dr. Kumar Narayanan, University of Iowa)  
Sharon Idiga (mentor: Dr. Matthew Pothoff, University of Iowa)  
Stacey Peek (mentor: Dr. Josh Weiner, University of Iowa)

**Neuroscience Research Proposal Mentorship:**

Julia Mattson (UT Southwestern Medical Center)  
Mushimi Day (UT Southwestern Medical Center)

**Mentor for MD with Distinction Medical Student Program:**

Shauna Goldman (2010-2014, 'Developing New Treatments for Rett Syndrome')

**Mentor for Rotating Graduate Students:**

Ginger Becker – PhD Student (2009)  
Katelyn Finch – PhD Student (2010)  
Emanuela Capota – PhD Student (2011)  
Raneiro Peru – PhD Student (2011)  
Hector De Jesús-Cortés – PhD Student (2011)  
Yasemin Onder – PhD Student (2012)  
Terry Yin – PhD Student (2013)  
Rachel Genova – MSTP student (2013)  
Natalya Cherepanova – MSTP student (2013)  
Jaymie Voorhees – PhD Student (2013)  
Maria Noterman – PhD Student (2014)  
Barbara Okeke – PhD Student (2015)  
Rachel Schroeder – PhD Student (2016)  
Benjamin Elser – PhD Student (2017)  
Adriana Rivera – PhD Student (2017)

Preethy Sridharan – MSTP student (2018)  
Mallory Long – BSTP student (2018)  
Sarah Barker – MSTP student (2019)  
Connor Bargar – BSTP student (2019)  
Emiko Miler – BSTP student (2020)  
Yejung Koh – BSTP student (2020)  
Sofia Corella - MSTP student (2020)  
Kristi Lin – BSTP student (2020)  
Youngmin Yu – MSTP student (2021)

**Mentor for Rotating UTSWMC Psychiatry Residency Research Tract:**

Tracy Snell (2009)

**Mentor for Summer Students (college and high school):**

Bryce Foster (2006)  
Richard Price (2006)  
Hannah Shen (2006, 2009)  
Jeremiah Britt (2009)  
Alyssa McMenamy-Becker (2009)  
Marissa Goddard (2009)  
Shauna Goldman (2009)  
Alex Wang (2009)  
Jessica Thomas (2009)  
Sarah Ally (2009-2012)  
Devin McDaniel (2009)  
Vivian Ho (2010, 2011)  
Shivali Chag (2010)  
Jo Tang (2009, 2010)  
Rudy Hikel (2010)  
Jieqi Wang (2011)  
Manjari Subramaniam (2011)  
Indu Bedi (2011)  
Cristina Co (2011)  
Rachel Hodges (2012-2013)  
Aaron Burket (2011-2012)  
Stephanie Tran (2011-2012)  
Whitney Knobbe (2011-2012)  
Nicki Drawbridge (2012-2014)  
Aaron Katzman (2013-2014)  
Cassie Wassink (2013-2014)  
Vanessa Mark (2013-2014)  
Veronica Mark (2013-2014)  
Emily Steubing (2013 – 2017)  
Anthony DeMarco (2014, 2015)  
Matthew Remy (2013 – 2017)  
Lance Heady (2014 – 2017)  
Lorenzo Lones (2015)  
Abhinaya Gunasekar (2015)  
David Mark (2015, 2016)  
Alexis Madden (2016)  
Ashley Madison (2015 – 2016)

Claire Erickson (2016)  
 Josie Emery (2016)  
 Elie El Rassi (2016)  
 Vicky Chuong (2016 – 2017)  
 Danielle King (2016 – 2018)  
 Alexa Kort (2016 – 2018)  
 Eda Lu (2017)  
 Olivia Baird (2017)  
 Yuko Nakamura (2017)  
 Emiko Miller (2018,2019)  
 Dunya Shamma (2019)  
 Gabriel Moss (2019)  
 Evangeline Bombakidis (2019 – 2021)  
 Tony Chen (2019)  
 Danyel Crosby (2018 – present) – Earned the 2019 Joan C. Edwards Scholarship, which is awarded to one graduate of Cleveland Metropolitan School District a year. The award entails full tuition, room, board, and stipend for four years of Case Western Reserve University undergraduate training, and four years of Case School of Medicine training.  
 Aristotle Teli Peter Apostolakis (2019)  
 Daniel Ryan (2019)  
 Sophia Rose (2020-present)  
 Hua Fang (2020-present)  
 Kathryn Devadoss (2020-present)  
 Zea Bud (2018-present)  
 Kate Lindley (2021)  
 Kurt Ozuner (2021)  
 Ayush Vyas (2021)

**Mentor for Faculty:**

Beth Newell, MD (Pediatrics, University of Iowa Carver College of Medicine) – Career Development Committee (2013 – 2019)  
 Jacob Michaelson, PhD (Psychiatry, University of Iowa Carver College of Medicine) – NARSAD Young Investigator Award (2014 – 2018)  
 Laura Dutca, PhD (Ophthalmology & Visual Sciences) – VA Career Development Award (2015 – 2020), University of Iowa VA Medical Center  
 Levi Sowers, PhD (Neuroscience) - VA Career Development Award (2014 – 2019), University of Iowa VA Medical Center  
 Yancy Ferrer, PhD (Neuroscience, Universidad Central Del Caribe) – Research Center in Minority Institutions (2016 – 2020)  
 Molly McVoy, MD (Psychiatric Research on Adolescent Depression) – Case Western Reserve University, Department of Psychiatry (2018-present)  
 Keming Gao, MD (Psychiatric Research on Biomarkers of Depression) – Case Western Reserve University, Department of Psychiatry (2018-2020)  
 Wenzhang Wang, PhD (Mitochondria in Alzheimer's Disease) – Case Western Reserve University, Department of Pathology (2019 – present)  
 Allison Kraus, PhD (Tau in Neurodegeneration) – Case Western Reserve University, Department of Pathology (2019 – present)  
 Jagan Pillai, MD, PhD (The Role of CSF Tau Isoforms in Determining Clinical Alzheimer's Disease Variants) – Cleveland Clinic Lou Ruvo Center for Brain Health (2019 – present)

Ignazio Cali, PhD (Characterization of the Molecular Features of Tau and A $\beta$  in a Patient with CTE and AD) – Department of Pathology, Case Western Reserve University (2019 – present)  
Aaron Burberry, PhD (New Therapies for Frontotemporal Dementia) - Department of Pathology, Case Western Reserve University (2021 – present)  
Marina Martinez-Vargas, PhD (Regulation of vascular permeability by von willebrand factor action on endothelial cells in traumatic brain injury) – Department of Medicine, Cardiovascular Research (2021 – present)  
Baylor College of Medicine

**Service:**

Mentor for Department of Psychiatry Residency Research (2018 – present)  
Mentor for Resident Career Development  
Meredith Whitney, MD (Psychiatry, Case Western Reserve University, 2018 – present)  
Society of Biological Psychiatry Travel Fellowship Award Mentoring Program  
Zachary Brodnick, MD (Drexel University College of Medicine, Philadelphia, PA), 2018  
Amanda de Oliveira, MD (Federal University of Sao Carlos, Brazil), 2019  
Catherine Marcinkiewicz, PhD (University of Iowa Carver College of Medicine), 2021  
Board of Developmental Disabilities Vaccine Clinic, Cleveland, OH (2021)  
University Hospitals of Cleveland Department of Psychiatry Senior Mentor Consulting Committee (2021-present)  
Ad Hoc Reviewer  
Anatomia  
ACS Chemical Neuroscience  
Histologia  
Embryologia  
American Journal of Industrial Medicine  
Biological Psychiatry  
Biomedicine and Pharmacotherapy  
Bioorganic and Medicinal Chemistry  
BMC Molecular Biology  
Cellular and Molecular Life Sciences  
Current Alzheimer Research  
eLIFE  
Experimental Neurology  
FEBS  
Frontiers in Neuroscience  
Genes, Brain and Behavior  
Human Molecular Genetics  
Journal of Clinical Investigation  
JCI Insight  
Journal of Neuroscience  
Journal of Neurotrauma  
Molecular Neuropsychiatry  
Molecular Psychiatry  
Nature  
Nature Nanotechnology  
Neuropsychopharmacology  
Neurochemistry International  
Neuroscience Letters

PLOS One  
Proceedings of the National Academy of Sciences, USA  
Science  
Science Translational Medicine  
Scientific Reports  
Stem Cells  
Toxicology and Applied Pharmacology  
Translational Psychiatry

NIH Workshops: Setting Priorities for Rett Syndrome Research – NIH Workshop – 2011  
VA Workshops: Creating Roadmaps to Assess Visual Consequences of TBI – 2020  
(June 24-26)

NIH Grant Reviews: NINDS Exploratory Clinical Trials (RO1) – 2011

Department of Defense Congressionally Directed Medical Research Programs Reviews:  
Amyotrophic Lateral Sclerosis Research Program (ALSRP) Therapeutic Idea  
(TI) Award -2015, 2020

Scientific Reviewer National Science Foundation Graduate Research Fellowship  
Program Reviews: Life Science, Neuroscience, Scientific Reviewer 2015 –  
present

ASCI/AAP Joint Meeting Poster and Abstract Judge and Visitor – 2016-present

Frontiers in Neuroscience, section Neurodegeneration – co-Editor – 2015-16.

Neurotherapeutics – “Emerging Therapeutic Strategies in Psychiatry” – 2017 – co-editor

Neurotherapeutics – “Protection of the Aging Brain” – 2019 – co-editor

Neurotherapeutics – Editorial Board Member – 2017 – present

Harrington Discovery Institute – Scientific Reviewer – 2017 – present

Molecular Neuropsychiatry Co-Chair 2017: Cav1.2 and Cav1.3 L-type Ca<sup>2+</sup> Channels in  
Neuropsychiatric Disorders: From Gene to Mechanism to Behavior.

Frontiers in Neuroscience – Associate Editor – 2017 – present

Scientific Panels – Allen Frontiers Group 2019 Brain Health Discussion

Co-neuroscience director (2017 – 2021) NuvoNuro, Austin, TX

#### University and Departmental Committees

Recruitment of new junior faculty and PYN Division Chief – 2011, 2012

Recruitment of Director of Parkland Psychiatric Emergency Department – 2011

Chair – Data and Safety Monitoring Board – “Reversing Corticosteroid-Induced  
Memory Impairment” - Dr. Sherwood Brown Chair, 2011

Chair - Data and Safety Monitoring Board – “A Randomized, Double-Blind,  
Placebo Controlled Trial of Pregnenolone for Bipolar Depression” - Dr.  
Sherwood Brown UTSWMC

Internal Review Board for Clayton Foundation for Research – 2011

UTSWMC Internal Review Board for The Hartwell Foundation (2011-2012)

UTSWMC Psychiatry Emergency Medicine Physician Task Force (2011-2012)

University of Iowa MSTP Grand Rounds Committee (2012-2014)

University of Iowa Neuroscience Graduate Program Publication Award  
Committee (2012 – 2018)

University of Iowa Internal Review Committee for EHSRC Pilot Grant  
Program (2013 – 2018)

Interview University of Iowa MSTP applicants (2012 – 2018)

Interview University of Iowa Psychiatry residency applicants (2012 – 2018)

Interview University of Iowa Neurology residency applicants (2012 – 2018)

Interview University of Iowa Neuroscience Graduate Program applicants (2012 –



2018)

Interview University of Iowa Human Toxicology Graduate Program applicants (2015 – 2018)

Interview University of Iowa Molecular and Cellular Biology Graduate Program applicants (2015 – 2018)

Interview candidates for DEO of University of Iowa Pharmaceutical Sciences and Experimental Therapeutics (2013)

University of Iowa Carver College of Medicine Research Council for Iowa Medical Student Research Program (2013-2018)

University of Iowa Carver College of Medicine Research Committee (2013-2018)

University of Iowa Carver College of Medicine Diversity Affairs Committee (2013-2018)

University of Iowa Carver College of Medicine Department of Neuroscience Admissions Committee (2013-2018)

University of Iowa Carver College of Medicine Department of Pediatrics Junior Faculty Mentoring Committee (2013-2018)

University of Iowa Carver College of Medicine Health Sciences Research Week Organizer (2014-2015)

Co-Host University of Iowa Carver College of Medicine Distinguished Biomedical Scholars Lecture  
 Steven L. McKnight, UT Southwestern Medical Center, 9/18/14  
 Solomon H. Snyder, Johns Hopkins University, 2/19/15

University of Iowa Carver College of Medicine Neuroscience Institute Director Search Committee (2014-2016)

University of Iowa Carver College of Medicine Environment Health Sciences Research Center Pilot Grant Reviews (2015-2018)

University of Iowa Carver College of Medicine Animal Research Institutional Care and Use Committee (2014-2017)

University of Michigan Environmental Health Sciences Core Center Pilot Grant Reviewer (2014-2016)

University of Iowa Carver College of Medicine FRBP T32 Training Grant Internal Review Committee (2014-2018)

PBDB Art Committee (2015 – 2018)

Psychiatry Dept. Representative - University of Iowa Carver College of Medicine Core Facilities Committee (2015-2018)

Mentoring Lunch with the PI – Pappajohn Biomedical Institute (2015-2018)

Abstract Scoring / Poster Judging AAP/ASCI/APSA Meeting (2016 – present)

Spring Medicine Alumni Reunion PBDB Representative (2016 – 2018)

MSTP Admissions Committee University of Iowa Carver College of Medicine (2016 – 2018)

Graduate Training at University of Iowa Carver College of Medicine MSTP Recruitment (2014 – 2018)

University of Iowa Carver College of Medicine Department of Psychiatry Research Leadership Committee (2016 – 2017)

University of Iowa Carver College of Medicine Summer Undergraduate Research Symposium Poster Judge (2016-2017)

University of Iowa Carver College of Medicine SACNAS 2017 Representative, Salt Lake City, UT

Case Western Reserve University Department of Pathology Vice Chair for Research Search Committee (2019)

Case Western Reserve University Chair of Pharmacology Search Committee

(2018 – 2020)  
Case Western Reserve University Neurosciences Research Day Judge  
(2018 – present)  
UT Southwestern Medical Center Medicinal Chemistry Core Oversight  
Committee (2018 – 2021)  
University Hospitals of Cleveland Medical Center Brain Health Committee  
(2018 – present)  
Case Western Reserve University Department of Psychiatry Executive  
Committee (2018 – present)  
Case Western Reserve University Department of Psychiatry Appointment  
Promotion and Tenure Committee (2019-present)  
Internal Merit Peer-Review, Louis Stokes VA Medical Center (2019 – present)  
Cleveland Brain Health Initiative Annual Retreat - Neurotherapeutics Discussion  
Group Leader (2018 – 2020)  
Department of Psychiatry Research Fair, University Hospitals of Cleveland  
Medical Center (2019 – present)  
Harrington Discovery Institute – Medical Scientist Training Program Review  
Committee (2019 – present)  
Harrington Discovery Institute – Executive Review Board for Harrington-UK Rare  
Disease Program (2019 – present)  
Harrington Discovery Institute – Executive Review Board for Harrington-COVID-  
19 Program (2020 – present)  
CADRE Target Prioritization Panel (2019 – present).  
Interview Neuropathology Candidates for faculty search (2020)  
University Hospitals of Cleveland Medical Center Research and Education  
Institute Annual Symposium Poster Judge (2020- present)  
Executive Committee – Cleveland Alzheimer’s Disease Research Center  
(2019-present)  
Brain Health Institute Committee – University Hospitals Cleveland Medical  
Center (2019-present)  
Strategic Operations Committee, Department of Psychiatry, University Hospitals,  
Cleveland Medical Center (2019-present)  
University Hospitals Research & Education Internal Advisory Board  
(2021-present)

**Clinical Trials:** A Proof-of-Concept Clinical Research Study of Efavirenz in Patients with  
Alzheimer’s Disease (2019 – 2021)

**Biotechnology Companies Co-founded:** 2017 Nura Bio, Inc. San Francisco, CA

**Bibliography (in chronological order):**

<https://www.ncbi.nlm.nih.gov/myncbi/andrew.pieper.3/bibliography/public/>

Google Scholar Profile: <https://scholar.google.com/citations?user=7NpTY50AAAAJ&hl=en>

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indicator of neurotoxic DNA damage. *Journal of Neurochemistry* 65: 1411-1414.

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Dawson TM, Snyder SH, Dawson VI. (1997). Poly (ADP-ribose) polymerase gene disruption  
renders mice resistant to cerebral ischemia. *Nature Medicine* 3: 1089-1095.

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5. **Pieper AA**, Verma A, Zhang J, Snyder SH. (1999). Poly (ADP-ribose) polymerase, nitric oxide and cell death. *Trends in Pharmacological Sciences* 20: 171-181. ACCESSION # 10322503
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14. **Pieper AA**, Treisman GJ. (2004-present). Substance abuse and addiction in HIV-infected patients. UpToDate. [www.uptodate.com](http://www.uptodate.com).
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factor controls FGF- mediated adult hippocampal neurogenesis in mice. *Proceedings of the National Academy of Sciences USA* 102: 14052-14057.

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