

# Curriculum Vitae

**ANDREW A. PIEPER**

## Current Address:

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Shaker Heights, OH 44120  
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**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)

## Postdoctoral Training:

### Internship and Residency

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

### Fellowships

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

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

## 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-present	Professor in Psychiatry, University Hospitals Case Medical Center

2018-present Investigator, Harrington Discovery Institute, University Hospitals Case Medical Center  
2018-present Director, Alzheimer's Drug Discovery Foundation Harrington Scholars Program  
2018-present Co-Director, Gund-Harrington Initiative Harrington Scholars Program  
2018-present Adjunct Professor of Psychiatry, University of Iowa Carver College of Medicine  
2018-present Morley Mather Chair in Neuropsychiatry, University Hospitals Case Medical Center  
2018-present Psychiatrist, Louis-Stokes Cleveland VA Medical Center

### Awards and Honors:

1988 Earlham College Community Service Scholarship 1985-1989  
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  
2017 University of Iowa Inventor Award

### Professional Societies:

1990 Society for Neuroscience  
1993 American Psychiatric Association  
2013 Psychiatric Research Society  
2016 American Society for Clinical Investigation  
2016 Society for Redox Biology and Medicine  
2017 Sigma Xi Scientific Research Society  
2017 Society of Biological Psychiatry  
2018 American Heart Association

- 2018 American Association for the Advancement of Science
- 2018 American Federation for Medical Research

**Scientific Lectures:**

- 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 8<sup>th</sup> 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
- 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, BiogenIDEC, 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 School of Medicine, Baltimore, MD
- 2011 Neurogenesis 2011 (co-organizer of meeting), Kobe, Japan
- 2011 Mini-symposium on Autism - MIND Institute – UC Davis, Sacramento, California.
- 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
- 2012 Fifth Annual Hartwell Foundation Meeting, Duke University, Durham, NC.
- 2012 University of Iowa Carver College of Medicine Department of Neurology Grand Rounds
- 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, Iowa.
- 2013 Peking-Tsinghua Center for Life Sciences & College of Life Science, Beijing, China
- 2013 University of Iowa Carver College of Medicine Psychiatry Research Seminar
- 2013 Sixth Annual Hartwell Foundation Meeting, University of Virginia
- 2013 University of Puerto Rico RISE seminar
- 2013 University of Iowa Department of Human Toxicology Department Seminar
- 2013 University of Iowa Department Molecular and Cellular Biology Seminar
- 2013 University of Iowa Psychiatry Resident Research Conference Seminar
- 2013 University of Iowa Free Radical & Radiation Biology Program Seminar
- 2013 University of Iowa Department of Molecular Physiology and Biophysics Seminar
- 2013 University of Iowa Department of Chemistry Seminar
- 2014 University of Iowa Department of Biochemistry Seminar
- 2014 University of Chicago DNA Day Seminar
- 2014 University of Chicago Division of Neurodegenerative Disease Seminar
- 2014 University of Iowa School of Pharmacy Seminar
- 2014 UTMB in Galveston, Texas Department of Pharmacology Seminar
- 2014 University of Iowa CCOM Neuroscience Graduate Program Recruitment Seminar
- 2014 Department of Neurosurgery Ojemann Lectureship, University of Iowa
- 2014 AbbVie Company Seminar on Biology of P7C3 Compounds
- 2014 University of Puerto Rico – Minority Access to Research Careers (MARC) Seminar
- 2015 University of Iowa CCOM Resident Research Seminar
- 2015 University of Iowa CCOM Neuroscience Graduate Program Recruitment Seminar
- 2015 Psychiatric Research Society, Salt Lake City, Utah
- 2015 Translational Science 2015, Washington DC
- 2015 AbbVie Pharmaceuticals, Frankfurt, Germany
- 2015 Behavioral Neurology & Neuropsychiatry (BNNP) Conference, Baylor College of Medicine
- 2015 Center for Alzheimer's and Neurodegenerative Diseases, UT Southwestern, Dallas, TX
- 2015 Sunovion Pharmaceuticals, Marlborough, MA
- 2015 University of Iowa Department of Psychiatry Grand Rounds
- 2015 University of Nebraska Medical Center, Department of Pharmacology and Experimental Neuroscience
- 2016 Emory University Department of Neurology Grand Rounds
- 2015 University of Iowa Behavioral-Biomedical Interface Training Program
- 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
- 2016 University of Iowa Carver College of Medicine Department of Psychiatry Grand Rounds
- 2016 University of Iowa Neuroscience Research Day

- 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 in Galveston, TX
- 2017 Department of Psychiatry Grand Rounds, UTMD in Galveston TX
- 2017 Harrington Lecture Series, Harrington Discovery Institute, Case Western Reserve University, Cleveland, OH
- 2017 Case Western University Department of Psychiatry Grand Round, 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, Iowa City, IA
- 2018 Case Western Reserve University MSTP Retreat, Newbury, OH
- 2018 Cleveland Brain Health Initiative, Cleveland, OH

### 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.  
([http://www.freeyourmindprojects.com/index.php?option=com\\_content&view=article&id=15&Itemid=15](http://www.freeyourmindprojects.com/index.php?option=com_content&view=article&id=15&Itemid=15))
- 2013 Cedar Centre of Psychiatry guest lecturer, Cedar Rapids, Iowa.
- 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 Neurological Institute Leadership Council – July 18, 2018
- 2018 Cleveland Brain Health Initiative – August 30, 2018

### 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 MSTP program lecturer
- 2006-2012 Case Studies in Ethics, UTSWMC Graduate Neuroscience Program
- 2008-2012 Co-organizer (2008) and lecturer for Neurobiology of Mental Illness, Psychiatry / Neuroscience, UTSWMC
- 2006-2012 PGY3 UTSWMC Psychiatry residents, lecturer
- 2009-2012 Co-organizer of UTSWMC Neuroscience Graduate Works in Progress Seminar

2010-2012	Co-organizer of UTSWMC Psychiatry Residency Research Tract Lecture Series, and lecturer
2010-2012	Integrative Biology UTSWMC Journal Club co-organizer
2010-2012	Mentor in Psychiatry Resident Research Organization (PRO), UTSWMC
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
2013-2018	Mentorship and teaching of University of Iowa Medical Students in VA Inpatient Psychiatric Unit
2013-2018	Mentorship and teaching 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
2014-2018	Clinical Skills Review / Certification for Psychiatry Residents, University of Iowa
2014-2016	Course Instructor – Biosciences Critical Thinking and Communication for Molecular and Cellular Biology Graduate Program, University of Iowa
2014	Psychiatry Resident (Dr. Abraham Assad) Elective Clinical Research Rotation

**Students supervised:***Thesis Mentor*

- Hector De Jesus Cortes – PhD Student  
 Neuroscience Graduate Program, UTSWMC / University of Iowa  
 Matriculation Date: 7 / 2011  
 Graduation Date: 5 / 28 / 2015  
 Recipient of NSF Fellowship  
 Post-doctoral Fellow – Mark Bear Laboratory, MIT (2015 – present)
- Terry Yin – PhD Student, Interdisciplinary Studies (Molecular Psychiatry), University of Iowa  
 Matriculation Date: 9 / 2010  
 Graduation Date: 5 / 15 / 2015  
 Post-doctoral Fellow – Pieper Laboratory, (2015 – 2016)  
 Post-doctoral Fellow – Julien Sebag Laboratory, University of Iowa, Molecular Physiology and Biophysics (2016 – present)
- Natalya Tesdahl – Masters Student, Department of Molecular Physiology and Biophysics, University of Iowa  
 Matriculation Date: 9 / 2014  
 Graduation Date: 5 / 2017
- Jaymie Voorhees – PhD Student, Human Toxicology Program, University of Iowa  
 Matriculation Date: 9 / 2013  
 Graduation Date: 5 / 2017  
 Recipient of University of Iowa Post-Comprehensive Research Award - 2016
- Rachel Genova – MSTP student, University of Iowa  
 Matriculation Date: 9 / 2014  
 Expected Graduation Date: 8 / 2018  
 F30 training award – 1F30EY027173 – Therapeutic efficacy and mechanism of (-)-

P7C3-S243 and P18C8 coadministration in chemical corneal injury.

Maria Noterman – PhD Student, Neuroscience Program, University of Iowa

Matriculation Date: 3 / 2015

Expected Graduation Date: 8 / 2019

Recipient of NSF Fellowship

Recipient of Univ of Iowa Presidential Fellowship - 2014

Recipient of Univ of Iowa Department of Neuroscience Young Investigator Award – 2016

Rachel Schroeder – PhD Student, Neuroscience Program, University of Iowa

Matriculation Date: 9 / 2017

Expected Graduation Date: 8 / 2022

Preethy Sridharan – MSTP student, Case Western Reserve University, Department of Neuroscience

Matriculation date: 3/2018

Expected Graduation Date: 8 / 2021

### ***Postdoctoral Fellows in the Laboratory***

Josie Schamp (2017 – present)

Department of Psychiatry T32 Training Grant

Edwin Vasquez-Rosa, PhD (2014 – present)

Free Radical and Radiation Biology T32 training grant

Min Kyoo-Shin (2015 – present)

Kalyani Chaubey (2018 – present)

Terry Yin (2015 – 2016)

Pin Xu, PhD (2010 – 2012)

### ***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 Bonthius, UICCOM)

Muhammad Taifur Rahman (mentor: Dr. Steven Green, UICCOM)

Sharon Idiga (mentor: Dr. Matthew Pothoff, UICCOM)

Stacey Peek (mentor: Dr. Josh Weiner, UICCOM)

### ***Graduate School Qualifying Exam Committees***

Melissa Bawa (UTSWMC)

Cameron Day (UTSWMC)

Bianca Mason (mentor: Dr. Andrew Russo, UICCOM)

Shiyi Wang (mentor: Dr. Amy Less, UICCOM)

Carly Lewis (mentor: Dr. Mike Anderson and Dr. John Fingert, UICCOM)

Dylan Todd (mentor: Dr. Dan Bonthius, UICCOM)  
Ryan Kelley (mentor: Dr. Kumar Narayanan, UICCOM)  
Sharon Idiga (mentor: Dr. Matthew Pothoff, UICCOM)  
Stacey Peek (mentor: Dr. Josh Weiner, UICCOM)

***Neuroscience Research Proposal Mentorship***

Julia Mattson (UTSWMC)  
Mushimi Day (UTSWMC)

***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 Jesus Cortes – 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)

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

Tracy Snell (2009)

***Mentor for Summer Students (Surf, Stars and Student Internships at UTSWMC up until 2012, and University of Iowa Summer Students from 2013 – onward):***

Bryce Foster (2006)  
Richard Price (2006)  
Hannah Shen (2006, 2009)  
Jeremiah Britt (2009)  
Alyssa McMenemy-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 – present)  
Anthony DeMarco (2014, 2015)  
Matthew Remy (2013 – 2017)  
Lance Heady (2014 – present)  
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 – present)  
Alexa Kort (2016 – present)  
Eda Lu (2017)  
Olivia Baird (2017)  
Yuko Nakamura (2017)  
Emiko Miller (2018)

***Mentor for Faculty:***

Dr. Beth Newell (Pediatrics) – Career Development Committee (2013 – present)  
Dr. Jacob Michaelson (Psychiatry) – NARSAD Young Investigator Award (2014 – present)  
Dr. Laura Dutca (Ophthalmology & Visual Sciences) – VA Training Grant (2015 – present)  
Dr. Yancy Ferrer (Neuroscience, Universidad Central Del Caribe) – Research Center in Minority Institutions (2016 – present)

***Mentor for Postdoctoral Career Development***

Dr. Levi Sowers (Neuroscience) – Career Development Award VA (2014 – present)

Service:

**Ad Hoc Reviewer:**

Anatomia, 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  
JCI Insight  
Journal of Neuroscience  
Molecular Neuropsychiatry  
Molecular Psychiatry  
Nature  
Nature Nanotechnology  
Neuropsychopharmacology  
Neuroscience Letters  
PLOS One  
Science  
Science Translational Medicine  
Stem Cells  
Toxicology and Applied Pharmacology

**NIH Workshops:**

Setting Priorities for Rett Syndrome Research – NIH Workshop – 2011

**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. 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

**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

**Other:**

Co-founder / SAB member Proneurotech (2017 – present), San Francisco, CA

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

***University and Departmental Committees:***

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

Recruitment of Director for the Parkland Psychiatric Emergency Department - 2011

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

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 Applications to the Clayton Foundation for Research – 2011.

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

UTSWMC Department of 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-present)

University of Iowa Internal Review Committee for EHSRC Pilot Grant Program (2013-present)

Interview MSTP applicants (2012-present)

Interview Psychiatry residency applicants (2012 – present)

Interview Neurology residency applicants (2012 – present)

Interview Neuroscience Graduate Program applicants (2012 – present)

Interview Human Toxicology Graduate Program applicants (2015 – present)

Interview Molecular and Cellular Biology Graduate Program applicants (2015 – present)

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

UICCOM Research Council for IMSRP (Iowa Medical Student Research Program) (2013-present)

UICCOM Research Committee (2013-present)

University of Iowa Diversity Affairs Committee (2013-present)

University of Iowa Department of Neuroscience Admissions Committee (2013-present)

University of Iowa Department of Pediatrics Junior Faculty Mentoring Committee (Dr. Beth Newell, 2013-present)

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

Co-Host UICCOM Distinguished Biomedical Scholars Lecture

Steven L. McKnight, UTSWMC, 9/18/14

Solomon H. Snyder, Johns Hopkins University, 2/19/15

Neuroscience Institute Director Search Committee (2014-2016)

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

UICCOM Animal Research Institutional Care and Use Committee (2014-2017)

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

FRBP T32 Training Grant Internal Review Committee (2014-present)

PBDB Art Committee (2015 – present)

Psychiatry Dept. Representative - University of Iowa Core Facilities Committee (2015-present)

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

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

Spring Medicine Alumni Reunion PBDB Representative (2016 – present)

MSTP Admissions Committee (2016 – present)

Graduate Training at Iowa MSTP recruitment sessions (2014 – present)

ICCOM Department of Psychiatry Research Leadership Committee (2016 – present)  
University of Iowa Summer Undergraduate Research Symposium Poster Judge (2016-2017)  
University of Iowa SACNAS 2017 Representative, Salt Lake City, UT  
Case Western Reserve University Neurosciences Research Day Judge (2018)  
UT Southwestern Medical Center Medicinal Chemistry Core Oversight Committee (2018 – present)  
Case Western Reserve University Chair of Pharmacology Search Committee (2018-2019)  
University Hospitals Brain Health Committee (2018 – present)

**Patents:**

For a full list of patents, see *Appendix*. Issued Patents are listed below.

1. JP Patent Number 6126528. Issued 5/10/17. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Pro-Neurogenic Compounds*.
2. U.S. Patent Number 9,645,139. Issued 5/9/17. McKnight SL, Ready JM, **Pieper AA**, Wang G, Han T. *Neuroprotective Chemicals and Methods for Identifying and Using Same*.
3. U.S. Patent Number 9,616,048. Issued 4/11/17. McKnight SL, **Pieper AA**, Ready JM, De Brabander JK, Zigman JM. *Anti-depression compounds*
4. AU Patent Number 2011274787. Issued 9/29/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Pro-Neurogenic Compounds*.
5. U.S. Patent Number 9,446,042. Issued 9/20/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Pro-Neurogenic Compounds*.
6. U.S. Patent Number 9,446,022. Issued 9/20/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Pro-Neurogenic Compounds*.
7. U.S. Patent Number 9,095,572. Issued 9/20/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Pro-Neurogenic Compounds*.
8. IL Patent Number 213992. Granted 7/22/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Methods for Treating Parkinson's Disease Using Pro-Neurogenic Compounds*.
9. AU Patent Number 2010203356. Granted 3/10/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Methods for Treating Parkinson's Disease Using Pro-Neurogenic Compounds*.
10. U.S. Patent Number 9,278,923. Issued 3/8/16. McKnight SL, Ready JM, **Pieper AA**, De Brabander JK. *Methods for Treating Parkinson's Disease Using Pro-Neurogenic Compounds*.
11. U.S. Patent Number 9,243,281. Issued 1/26/16. McKnight SL, Ready JM, **Pieper AA**, Wang G, Han T. *Neuroprotective Chemicals and Methods for Identifying and Using Same*.
12. U.S. Patent Number 9,162,980. Issued 10/20/15. McKnight SL, **Pieper AA**, Ready JM, De Brabander JK, Zigman JM. *Anti-Depression Compounds*.
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**Biotechnology Companies Co-founded**

2018            Proneurotech, Inc. San Francisco, CA

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