CURRICULUM VITAE

PERSONAL BACKGROUND

Name:	**LAWRENCE T. REITER**
Birthplace:	Morristown, New Jersey
Date of Birth:	April 29th, 1969
Citizenship:	USA
Marital Status:	Married: wife (Tiffany); son (Vincent)
Address:	Department of Neurology University of Tennessee Health Science Center 855 Monroe Avenue, Link 415 Memphis, TN 38163
Phone/FAX	Office: (901) 448-2635 Lab: (901) 448-7443 FAX: (901) 448-7440 Cell: (619) 520-2529
E-mail:	lreiter@uthsc.edu
ORCID ID:	0000-0002-4100-2630
ERA Commons ID:	lreiter

EDUCATION

Undergraduate:
University of Southern California (USC), 1987-1991
Major: Molecular Biology; Minor: Chemistry
Degree: B.S. (1991)

Graduate:
Baylor College of Medicine, 1993 - 1997
Major: Cell and Molecular Biology
Degree: Ph.D. (1997); Mentor: James R. Lupski, M.D., Ph.D.

Postdoctoral:
Department of Biology, University of California, San Diego (UCSD), 1999 - 2005
Field: *Drosophila* Genetics; Mentor: Ethan Bier, Ph.D.

HONORS AND AWARD

Claude W. Smith Fellowship Award	1996
Boehringer Ingelheim Fellowship Award	1996
Young Scientist Fellowship Award	1996
Postdoctoral Fellowship CMT Association	1998
Sigma Xi Outstanding Dissertation Award	1998
Finalist A.S.H.G. Postdoctoral Presentation Award	1998
Glaucoma Foundation Fellowship	2000-2001
Full Scholarship to CSHL Bioinformatics Course	2001
Winner A.S.H.G. Postdoctoral Presentation Award	2003

Recipient, NIH Loan Repayment Program	2005-2009
Distinguished Mentor Award, Nominee	2011
Vice Chancellor for Research, CORNET Awardee	2017

PROFESSIONAL EXPERIENCE

1987-1991	Undergraduate Research, Dr. Carol Miller, USC, Los Angeles, CA
1991-1992	Eighth Grade Earth Science Teacher, Mc Main School, Orleans Parrish, New Orleans, LA
1992-1993	Research Associate, Dr. Max Oeschger, LSU. Dental School, New Orleans, LA
1993-1997	Graduate Student, Dr. James R. Lupski, Baylor College of Medicine, Houston, TX
1997-1998	Postdoctoral Fellow, Dr. James R. Lupski, Baylor College of Medicine, Houston, TX
1999-2005	Postdoctoral Fellow, Dr. Ethan Bier, UCSD, San Diego, CA
2005-2011	Assistant Professor, Dept. of Neurology, UTHSC, Memphis, TN
2011-2017	Associate Professor (w/ tenure), Dept. of Neurology, UTHSC, Memphis, TN
2017-present	Full Professor, Dept. of Neurology, UTHSC, Memphis, TN
2005-present	Adjunct, Anatomy and Neurobiology, UTHSC, Memphis, TN
2006-present	Adjunct, Dept. of Pediatrics, UTHSC, Memphis, TN
2006-2016	Director, *Drosophila* Transgenic Core, UTHSC, Memphis, TN
2014-2017	Director, 15q Duplication Autism Clinic, Le Bonheur Children's Hosp.

TEACHING EXPERIENCE

1991-1992	8th grade Earth Science, Teach for America Program, New Orleans, LA
2000	Course Instructor, Molecular Biology I, UCSD, La Jolla, CA
2003	Guest Lecturer, Biology of Model Organisms, UCSD, La Jolla, CA
2007	Guest Lecturer, Developmental Neuroscience, UTHSC, Memphis, TN
2008	Guest Lecturer, Systems Biology, UTHSC, Memphis, TN
2008	Guest Lecturer, Bioinformatics, UTHSC, Memphis, TN
2008	Guest Lecturer, Behavioral Neuroscience, UTHSC, Memphis, TN
2009	Guest Lecturer, Developmental Neuroscience, UTHSC, Memphis, TN
2009	Guest Lecturer, Bioinformatics, UTHSC, Memphis, TN
2010	Guest Lecturer, Behavioral Neuroscience, UTHSC, Memphis, TN
2012	Co-director, Science as a Profession, UTHSC, Memphis, TN
2012	Guest Lecturer, Developmental Neuroscience, UTHSC, Memphis, TN
2012	Guest Lecturer, Behavioral Neuroscience, UTHSC, Memphis, TN
2012	Guest Lecturer, Bioinformatics/Computational Bio., UTHSC, Memphis, TN
2013	Co-director, Science as a Profession, UTHSC, Memphis, TN
2013	Guest Lecturer, Bioinformatics/Computational Bio., UTHSC, Memphis, TN
2014	Guest Lecturer, Science as a Profession, UTHSC, Memphis, TN
2014	Guest Lecturer, Behavioral Neuroscience, UTHSC, Memphis, TN
2015	Guest Lecturer, Science as a Profession, UTHSC, Memphis, TN
2015	Guest Lecturer, Bioinformatics/Computational Bio., UTHSC, Memphis, TN
2016	Guest Lecturer, Science as a Profession, UTHSC, Memphis, TN
2016	Guest Lecturer, Bioinformatics/Computational Bio., UTHSC, Memphis, TN
2016	Guest Lecturer, Behavioral Neuroscience, UTHSC, Memphis, TN

UTHSC COMMITTEES AND RELATED INSTITUTIONAL ACTIVITIES

Molecular Resource Center Advisory Board (2005-present)
Clinical and Translational Science Institute Advisory Board (2007-2011)
CTSI, New Technologies Maven (2007-2011)
Postdoctoral Advisory Committee (2008-2013, Appointed President 2013)
Dean's Faculty Advisory Committee (2011-2016, Appointed President 2013)
UTHSC Strategic Planning Committee (2013-2014)
Molecular Bioinformatics Core Committee, Chair (2016-present)
Metabolomics and Proteomics Core Committee (2016-present)

Advisory and Dissertation Committees:

Mike DeCupreye (Mentor: LeDoux)	2005-2010
Ryan Delahanty (Mentor: Sutcliffe, Vanderbilt University)	2006-2009
Rawaha Memon, Dental Resident, Masters Student	2012-2013
Ryan Wilson, Dental Resident, Masters Student	2013-2014
Kevin Hope, Graduate Student (Mentor: Reiter)	2015-2019
A. Kaitlyn Victor, Graduate Student (Mentor: Reiter)	2017-present

TRAINEES AND LAB MEMBERS

Present:

Postdoctoral

Pre-doctoral

Kaitlyn Victor	Neuroscience Track IPBS Program	2017-present

Undergraduates

Yesnia Sanchez-Arrellano	Christian Brothers	2019-present
Walt Krueger	Grad School Applicant	2020-present

Past:

PhD. Students (1 Total)

Kevin Hope	Neuroscience Track IPBS Program *Postdoc with Clement Chow, Univ Utah*	2015-2019

Technicians

Sarita Goorha	Part-time Research Technician	2013-2017
Morgan Fuller	Clinical Research Coordinator *DO Student*	2015-2017

Postdoctoral (7 Total)

Nahed Elsisi	Postdoctoral Fellow *Currently at Florida A&M University*	2005-2006
Priti Azad	Postdoctoral Fellow *Associate Project Scientist, UCSD*	2006-2007
Samiramis Sarkardei	Postdoctoral Fellow *Teacher of IB Biology at PASB, Brazil*	2008-2009
M. Febin Farook	Postdoctoral Fellow	2009-2012

	Postdoctoral Research Associate, Cleveland Clinic	
Sharath Rongali	Postdoctoral Fellow	2012-2013
	Assistant Professor, Missouri State University	
Nora Urraca	Postdoctoral Fellow	2009-2014
	Clinic Coordinator, *Genetics Department, UTHSC*	
Jungsoo Han	Postdoctoral Fellow	2017-2018
Bidisha Roy	Postdoctoral Fellow	2018-2020

Masters Student

Tracy Carter	Master's Program for Bench Research	2017-2018

Medical Student Summer Research (6 Total)

Kelly Ridder	Dystonia genes in flies	Summer 2008
	Former Neurology Residency UTHSC (deceased)	
Beth Nagel	VHL/HIF1alpha in border cell migration	Summer 2008
	Family Practice	
Katlin Ridder	Dystonia genes in flies	Summer 2008
	Former Medical Student UTHSC	
Kayla McCrury	Dube3a/ATPalpha5 behavior in flies	Summer 2009
Donald Pierce	Generation of ATPalpha5 constructs	Summer 2011
Rajiv Heda	Identification of glial-GAL4 lines in seizure	Summer 2017
	Third Year Medical Student UTHSC	

Undergraduates (32 Total)

Mike Wangler	Masters Student	1999-2001
	Current: *Assistant Professor, BCM, Houston, TX*	
	http://wanglerlab-bcm.org	
Mark McElroy	Masters Student	2001-2002
Wendy Ching	SMART Program	Summer 2001
Megan Bowers	Undergraduate – Honors Thesis	2001-2002
	Current: *Resident, Georgetown University Hospital*	
Alex Ho	Undergraduate	2001-2002
Kevan Akarami	Undergraduate – Honors Thesis	2003-2004
Sanaz Farid	Undergraduate	2002-2004
Courtney Sherman	Undergraduate – Honors Thesis	2003-2004
	Medical School Graduate	
Neena Poole	McNair Summer Program	Summer 2005
Alan Newton	Undergraduate – Thesis	Summer 2006
	Pharmacy School Graduate	
Rebecca Scott	Undergraduate – Thesis	2006-2008
	Medical School Graduate	
Kyle Summers	Undergraduate/Technician	2006-2008
	Ph.D., UTHSC, 2015;	
	Instructor, Margolin Hebrew Academy	
William Bodeen	Undergraduate/Technician	2008-2009
	PhD Program UTHSC	
Rachel Chassan	Rhodes College Student	2010-2011
	Attended Graduate School, UTHSC – M.S.	

Baris Kucukkaraduman (Bilken University, Turkey)		Summer-2012
Savely Zakharenko	High School Student	Summer-2012
Charlese Cannon	Rhodes College Student	Summer-2013
Addison Jezek	Rhodes College Student	Summer-2013-14
	Practicing Physician, Oklahoma	
Jeff Harding	Mississippi State University	Summer-2013
Anqi Zheng	Christian Brothers University	2013-2014
Kelsey Coolican	Christian Brothers University	2013-2014
Alan Sun	University of Memphis	Summer-2014
Alex Taylor	High School Student	Summer-2014
Theresa Borcky	Summer Undergraduate Internship	Summer-2014, 2015
Juanma Ramirez	Visiting Graduate Student (Spain)	Summer-2014
Morgan Fuller	Rhodes College Student	Summer-2015
	Practicing D.O., Georgia	
Ken Gentner	UT, Chattanooga	Summer-2015
Danny Flatten	Christian Brothers University	2015-2016
Ben May	Rhodes College	2016-2017
Avani Alapati	Rhodes College	2017-2019
Rachel Cox	UT, Knoxville	Summer-2018
Isabelle Mikell	Rhodes College	Summer-2018
Drew Liess	Rhodes College	2019-2020

RESEARCH INTERESTS AND PROJECTS

Autism genetics
Autism clinical phenotyping
Angelman syndrome
Prader-Willi syndrome
Duplication 15q syndrome
Epilepsy genetics
Synaptic plasticity
UBE3A related disorders
Epigenetics
Dental pulp stem cells
Drosophila models of human disease

RESEARCH SUPPORT AND AWARDS

ACTIVE

Research Award (**Weese-Mayer - PI)** 11/01/2019-10/31/2021 0.0 cal.
ROHHAD Association $40,000/yr
"RAPID-ONSET OBESITY WITH HYPOTHALAMIC DYSFUNCTION, HYPOVENTILATION, AND AUTONOMIC DYSREGULATION (ROHHAD): STEM CELL MODELS TO INVESTIGATE CAUSE AND CONSEQUENCES"
The goal of these studies is to create a DPSC model of ROHHAD neurons for molecular studies.

Pilot Research Award (**Reiter - PI**) 10/01/2018-09/30/2020 1.2 cal.
Foundation for Prader-Willi Research $50,000 (shared grant – 2 sub-awards)
"Assessment of epigenetic driven circadian rhythm defects in neurons from individuals with PWS"

The purpose of this study is to detect changes in circadian rhythm and methylation in DPSC derived neurons from PWS deletion cases.

Pilot Research Award (**Potts - PI**) 06/01/2018-05/30/2020 1.2 cal.
Foundation for Prader-Willi Research $50,000 (sub-contract)
"Evaluating endosomal recycling pathways in primary neurons from PWS individuals"
The purpose of this study is to use DPSC neurons from subjects with PWS to investigate the role of MAGL2 in the pathogenesis of PWS.

Shainberg Neuroscience Award (**Reiter-PI**) 04/01/18-03/31/19 0.6 cal.
LeBonheur Children's Foundation $40,000
"Assessment of Protein Changes in Epileptic Brain"
The purpose of this study is to investigate changes in epilepsy brain related to synaptic proteins and a set of glutathione S transferase proteins. Recent work in our lab indicates that these proteins may not only be changing in Dup15q syndrome, but also other forms of epilepsy.

R21 HD091541 (**Reiter-PI**) **5%tile** 04/01/2017-03/31/2019 (NCE) 1.2 cal.
NIH/NICHD, $125,000-yr1/$150,000-yr2
"An in vivo chemical screen for seizure suppression in Duplication 15q syndrome."
The goal of this project is to screen for FDA approved compounds that can re-activate gene expression for synaptic genes down regulated in our Dup15q fly seizure model.

PENDING:

R01 NS099127-0A1 (**Reiter-PI)** 9/01/2020-8/31/2025 2.4 cal.
NIH/NINDS $250,000/yr
"The role of glial cells in UBE3A over-expression induced seizures."
The goal of this project is to identify UBE3A substrates specifically in glial cells, which regulate seizures in our fly Dup15q seizure model.

PREVIOUS:

R21 GRANT12726394 (**Reiter-PI)** 04/01/2019-03/31/2022 1.2 cal.
NIH/NINDS $125,000/$150,000
"A primer on the study of gliopathic epilepsies."
The goal of this project is to correlate both UBE3A expression and changes in GST proteins directly in brain material from Dup15q or idiopathic epilepsy subjects. These studies will explore the molecular nature of the gliopathic seizures in Dup15q syndrome.

Graduate Fellowship Kevin Hope (**Reiter-Mentor**) 09/01/2015-08/31/2019 N/A
Duplication 15q Alliance $100,000
"Investigation of Synergistic Interactions Among Genes in the 15q Duplication Syndrome"
This is a project using Drosophila melanogaster to identify combinatorial effects on the brain through over-expression of two or more 15q Duplication region genes. The goal is to better understand which genes contribute to the autism phenotype and which contribute to the seizure phenotype in 15q Duplication syndrome. Stipend Support Only.

CORNET Award (**Palmer – Reiter Co-I)** 07/01/2017-06/30/18 N/A
Vice Chancellor for Research Office $47,824
"Identifying chemical modulators of the Ube3a ubiquitin ligase as a therapeutic strategy to treat epileptic seizures as well as HPV related cancers."
The goal is to screen for chemical modulators of UBE3A activity in yeast that may provide efficacious new therapies to treat a variety of neurological disorders, as well as HPV associated cancers. No Faculty Salary Support

Pilot Research Award (**Reiter- PI**) 09/01/2016-03/31/2018 1.2 cal.
Foundation for Prader-Willi Research $178,000
"Gene Expression Analysis in PWS Subject Derived Dental Pulp Stem Cell Neurons"
The purpose of this study is to use DPSC neurons from subjects with PWS both with and without ASD in order to identify ASD-specific differential gene expression in this disorder. We will also investigate the basic changes in both mRNA and miRNA transcripts in PWS neurons versus neurotypical controls.

Shainberg Neuroscience Award (**Reiter-PI**) 03/01/2012-06/30/2017 0.6 cal.
LeBonheur Children's Foundation $130,000
"Identification and Behavior Evaluation of Duplication 15q11-q13 Autism Patients in the Mid-South Region."
The purpose of this study is to identify unique aspects of the interstitial duplication 15q autism phenotype since these patients all share a common molecular etiology related to over-expression of the UBE3A gene. The eventual goal is to use these phenotypic features as predictors for this particular type of autism. Additional funding granted to continue study.

Duplication 15q Alliance (**Reiter-PI**) 04/01/2014-06/30/2018 1.2 cal.
Contract $60,000
These funds are to direct the development of a medical informatics database for all 15q clinic sites. This database will be housed at Le Bonheur Children's Hospital in Memphis, TN. It will contain both identifiable PHI and de-identified data from all clinic sites.

ISIS Pharmaceuticals (**Reiter-PI**) 05/01/2015-11/01/2015 N/A
Contract $5000
Funds paid for a student to work in Drosophila on a specific gene in my laboratory related to hypertension in humans.

UTRF Maturation Funding Program (**Reiter – PI**) 01/02/2015-02/02/2016 0.6 cal.
UT Research Foundation $16,000
"Blood Test for Familial Autoimmune Positive Autism Spectrum Disorder"
The goal of this project is to develop an auto-antibody test for children with a certain sub-type of autism prior to the onset of autistic symptoms. The funds are intended for the development of this technology to eventual commercial application. There is no salary support.

Institutional Funding (**Dean**) 12/01/2013-11/31/2014
Grant Stimulus Funding $100,000
These funds are meant to supplement the lab while three NIH applications are submitted in 2014.

Duplication 15q Alliance (**Reiter-PI**) 03/01/2012- 12/01/2014
Pilot Research $40,000

"Construction of a Tet Responsive Ube3a Over-expression Mouse"
The intention of this funding is to produce a publicly available Ube3a over-expression mouse model for the study of *Ube3a* duplication autism. This project is in collaboration with Dr. Scott Dindot at Texas A&M University.

R21 NS075709 (**Reiter-PI**) **8%tile Score** 04/01/2012 – 12/31/2014 1.2 cal.
NIH/NINDS, $125,00-yr1/$150,000-yr2
"Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders"
The goal of this project is to demonstrate that dental tooth pulp can be a good source for studying the molecular and electrophysiological properties of neurons from individuals with neurogenetic diseases.

R01 NS059902 (**Reiter-PI**) **3.7%tile Score** 7/01/2008-8/30/2014
NIH/NINDS $215,000/yr
"Proteomics in *Drosophila* to Identify autism candidate substrates of UBE3A"
The goal of this project is to identify UBE3A substrates through proteomic profiling in flies; validate that these targets interact with Dube3a or UBE3A in vitro and in vivo; and to determine if these targets are mis-regulated in the brains of Ube3a over-expression and knock-out mice.

Center for Integrated and Translational Genomics (**Reiter –PI**) 2011 N/A
Pilot Project Ion Torrent Award $5000
"Identification of Dube3a Regulated Transcripts by CHIPseq"
The purpose of this study is to screen for transcriptionally regulated targets of Dube3a in fly heads. We will also be able to identify putative binding sites for transcription factors that interact with Dube3a. No salaries paid on this grant.

Pilot Program for Clinical Neuroscience (**McVicar - PI**) 10/01/2008-7/01/2011 0.6 cal.
UTHSC Neuroscience Institute $50,000
"Immune Characterization in Children with Autism with and without Familial Autoimmune History"
The purpose of this study is to identify biomarkers in a subset of autism patients with a family history of autoimmune disease, design a protein based assay system for screening serum for these biomarkers and confirm that these serum antibodies are still present at one year's time. No faculty salaries paid on this grant.

Shainberg Neuroscience Award (**Reiter-PI**) 10/01/2006-3/01/2012 0.6 cal.
LeBonheur Children's Foundation $50,000/yr
"Identification and Behavior Evaluation of Duplication 15q11-q13 Autism Patients in the Mid-South Region."
The purpose of this study is to identify unique aspects of the interstitial duplication 15q autism phenotype since these patients all share a common molecular etiology related to over-expression of the UBE3A gene. The eventual goal is to use these phenotypic features as predictors for this particular type of autism. No salaries are paid on this grant.

Pilot Research Award (**Reiter-PI**) 12/01/2007-11/30/2008 4.0 cal.
Autism Speaks $60,000/yr
"Identification of UBE3A substrates using proteomic profiling in Drosophila."
The major goal of this project is to identify the protein targets of human and fly UBE3A via mis-expression proteomic analysis in Drosophila heads. This grant pays salary for a postdoctoral fellow. Ended early due to overlap with R01.

Pilot Research Award (**Reiter- PI**) 12/01/2008-11/30/2009 1.2 cal.
Angelman Syndrome Foundation $77,866
"A combined molecular and electrophysiological approach to understanding cerebellar defects in Angelman syndrome." This study in collaboration with Dr. Detlef Heck in the Department of Anatomy and Neurobiology is designed to identify critical cell types in the cerebellum that are affected by the loss of Ube3a and therefore may contribute to the Angelman syndrome phenotype.

Charcot-Marie-Tooth Disease Association, Postdoctoral Fellowship Award. (**Lupski-PI**) (1998-1999).

Glaucoma Foundation, Postdoctoral Fellowship Award: "Role of cytochrome 450 *CYP1B1* in the pathogenesis of primary congenital glaucoma." (**Bier-PI**) (2000-2001).

Cure Autism Now, Young Investigator Award: "Identification of genes involved in autism using a *Drosophila* UBE3A mis-expression system." (**Reiter-PI, Bier-mentor**) (2003-2005)

Cure Autism Now, Pilot Research Award: "A proteomics approach to the Identification and characterization of protein targets regulated by UBE3A" (**Reiter-PI**) $120,000 (4/1/06-3/31/08).

PROFESSIONAL SOCIETIES

American Society of Human Genetics
Genetics Society of America
International Society for Autism Research
American Society for Molecular Biology

SCIENTIFIC ADVISORY BOARDS

15q Alliance – Scientific Advisory Board 2008-2018
idic15 Canada – Scientific Advisory Board 2012-2013

EDITORIAL BOARD APPOINTMENTS

Open Access (London) – *Autism* (2013-2015)
Austin Journal of Autism & Related Disabilities (2015-present)
Scientific Reports (2016-present)
Associate Editor, *Frontiers in Genetics* – Genetic Disorders (2019-present)

MEETINGS ATTENDED *(since 2005)*

American Society of Human Genetics, Salt Lake City, UT (2005)
Genetics Society of America, Model Organisms Meeting, San Diego, CA (2006)
47th Annual Drosophila Research Conference, Houston, TX (2006)
American Society of Human Genetics, New Orleans, LA (2006)
IDEAS Conference (chromosome 15q duplications), Boston, MA (2007)
Angelman Syndrome Foundation Biennial Conference, St. Louis, MO (2007)
American Society of Human Genetics, San Diego, CA (2007)
49th Annual Drosophila Research Conference, San Diego, CA (2008)
American Society of Human Genetics, Philadelphia, PA (2008)
IDEAS Conference (chromosome 15q duplications), Indianapolis, IN (2009)
Angelman Syndrome Foundation Biennial Conference, Orlando, FL (2009)
American Society of Human Genetics, Honolulu, HI (2009)

International Meeting for Autism Research, Philadelphia, PA (2010)
Angelman Syndrome Foundation Scientific Conference, Chapel Hill, NC (2010)
American Society of Human Genetics, Washington, D.C. (2010)
International Meeting for Autism Research, San Diego, CA (2011)
IDEAS Conference (chromosome 15q duplications), Philadelphia, PA (2011)
Society for Neuroscience, Washington, DC (2011)
53nd Annual Drosophila Research Conference, Chicago, IL (2012)
15q Alliance Scientific Meeting, Boston, MA (2012)
International Meeting for Autism Research, San Sebastian, Spain (2013)
15q Alliance Scientific Meeting, Sacramento, CA (2013)
55th Annual Drosophila Research Conference, San Diego, CA (2014)
PRISMS Meeting, St. Louis, MO (2014)
CdLS Meeting, Los Angeles, CA (2014)
Joint 15q Alliance and ASF Meeting, Boston, MA (2014)
Potocki-Lupski Syndrome Meeting, Houston, TX (2015)
15q Alliance Meeting, Orlando, FL (2015)
Joint 15q Alliance and ASF Meeting, Boston, MA (2016)
The Allied Genetics Conference, Presenter, Orlando, FL (2016)
Foundation for Prader-Willi Syndrome Research Meeting, Providence, RI (2016)
15q Alliance Meeting, Los Angeles, CA (2017)
Foundation for Prader-Willi Syndrome Research Meeting, Indianapolis, IN (2017)
American Society for Human Genetics, Orlando, FL (2017)
European Society for Human Genetics, Milan, Italy (2018)
Joint 15q Alliance and ASF Meeting, Chapel Hill, NC (2018)
Invited Speaker, Foundation for Prader-Willi Research, Las Vegas, NV (2018)
Invited Session (co-chair), Glial Health and Disease, Porto, Portugal (2019)
Angelman Syndrome Foundation Meeting, Invited Speaker, Louisville, KY (2019)
Foundation for Prader-Willi Syndrome Research Meeting, New Orleans, LA (2019)

INVITED SEMINARS

Invited Speaker F.A.S.E.B. Meeting	1997
Invited Speaker A.S.H.G. Meeting	1997
Invited Speaker A.S.H.G. Meeting	2002
Invited Speaker A.S.H.G. Meeting	2003
Co-chair model organisms session A.S.H.G.	2005
Invited Speaker, Epigenetics & Neural Developmental Disorders	2006
Invited Speaker, Christian Brothers University	2007
Invited Speaker, Vanderbilt University	2007
Invited Session/Speaker “The Duplication 15q syndrome”, A.S.H.G.	2008
Invited Speaker, Vanderbilt University	2008
Invited Speaker, University of Toronto, Toronto, Canada	2009
Invited Speaker, NEMOURS, University of Delaware	2009
Invited Speaker, ASF Meeting, UNC, Chapel Hill, NC	2010
Invited Speaker, Vanderbilt Kennedy Center	2010
Invited Speaker A.S.H.G. Meeting	2010
Co-chair session A.S.H.G. Meeting	2010
Invited Speaker, Baylor College of Medicine, Houston, TX	2011
Invited Mini-Symposium, Society for Neuroscience Meeting	2011
Invited Speaker, ASF Meeting, Rockville, MD	2012

Co-organizer, 15q Alliance Meeting, Boston, MA	2012
Invited Speaker, CIC bioGUNE, Bilbao, Spain	2013
Invited Speaker, ASF Meeting, Orlando, FL	2013
Invited Speaker, 15q Alliance Meeting, MIND Institute, CA	2013
Invited Speaker, co-organizer, joint 15q Duplication and ASF Meeting, Boston	2014
Invited Speaker, St. Louis University Medical School	2014
Invited Speaker, Grand Rounds, Minnesota Epilepsy Group, St. Paul, MN	2015
Invited Speaker, PTLS Meeting, Houston, TX	2015
Invited Speaker, University of Toronto, Toronto, Canada	2015
Invited Speaker, Foundation for Prader-Willi Research, Austin, TX	2015
Invited Speaker, Pediatric Neurology Conference, Memphis, TN	2016
Invited Speaker, Harvard Mass General Hospital, Neurology, Boston, MA	2016
Invited Speaker, TAGC, Human Disease Models II, Orlando, FL	2016
Invited Speaker, Foundation for Prader-Willi Research, Providence, RI	2016
Invited Speaker, University of Kentucky, Biochemistry, Lexington, KY	2017
Invited Speaker, Foundation for Prader-Willi Research, Indianapolis, IN	2017
Invited Speaker, Universita' degli Studi di Torino, Torino, Italy	2018
Invited Speaker, Foundation for Prader-Willi Research, Las Vegas, NV	2018
Invited Session/Speaker, Glia in Health and Disease Meeting, Porto, Portugal	2019
Invited Speaker, Angelman Syndrome Foundation Meeting, Louisville, KY	2019
Invited Speaker, Neuroscience Institute, UTHSC, Memphis, TN	2019
Invited Speaker, Dept. of Pharmacology, UTHSC, Memphis, TN	2020

NIH REVIEWS

National Institutes of Health, American Recovery & Reinvestment Act of 2009 (ARRA), *ad hoc* 2009
National Institutes of Health, Fragile X Syndrome Research Center (FXSRC), *ad hoc* 2013
National Institutes of Health, Molecular Neurogenetics [MNG] Study Section, *ad hoc* 2015, 2016, 2017
National Institutes of Health, Director's Pioneer Award (DP1), Mail Reviewer, *ad hoc* 2018, 2019, 2020
National Institutes of Health, Neurodevelopment, Synaptic Plasticity, and Neurodegeneration panel (F03A) *ad hoc* 2018

GRANT REVIEWER (2005-present; *within the last year)

Autism Speaks (Postdoctoral Fellowship Awards)
CTSI-NTMP Grants
Fight for Sight, Grant in Aid Reviewer
Foundation for Prader-Willi Research, Pilot Research Grants Reviewer*
German-Israeli Foundation for Scientific Research and Development (Germany/Israel)
Israeli National Science Foundation (Israel)
Italian Ministry of Health (Italy)
KUL Research Professorship
Medical Research Council (UK)
Netherlands Organization for Health Research and Development, Reviewer
Oak Ridge Associated Universities
Swiss National Science Foundation (Switzerland)
Swiss 3RCC Grants (Switzerland)

JOUNRAL AND ABSTRACT REVIEWER (1997-present)
Acta Neurologica Belgica
Acta Neuropathologica Communications
African Journal of Biotechnology
American Society for Human Genetics, Abstracts (2010, 2012)
American Journal of Medical Genetics
American Journal of Human Genetics
ASN Neuro
Autism Research
BBA - Gene Structure and Expression
BMC Cell Biology
BMC Genetics
BMC Bioinformatics
Biochemical Journal
Biological Psychiatry
Bioinformatics
BioMed Research International
Diseases
Epigenetics
European Child & Adolescent Psychiatry
European Journal of Medical Genetics
Gene
Genome Research
Frontiers in Genetics
Human Molecular Genetics
International Society for Autism Research Meeting, Abstracts (2012, 2013)
Journal of Neurodevelopmental Disorders
Journal of Neurochemistry
Journal of Neuroscience
Journal of Pediatric Genetics
Journal of Visual Experimentation
Neurobiology of Disease
Neurogenetics
Neuroscience
PLoS One
PLoS Genetics
Stem Cell Research
Stem Cell Research Translational Medicine
Stem Cell Research and Therapy
The American Journal of Psychiatry
Translational Research

PRESS
2013-present Spectrum News (Simons Foundation for Autism Research)
Comments and Articles (13 total) (https://spectrumnews.org/?s=Lawrence+Reiter)
2014 People Behind the Science Interview (http://www.peoplebehindthescience.com/dr-larry-reiter)
2018 Memphis Parent, *Autism Myths* (https://memphisparent.com/health/autism-myths/)

IMPACT ON THE LITURATURE

h-index (number of publications cited x times) = **27**
i10-index (number of publication with at least 10 citations) = **40**
Publications cited >100 times = **5**
Number of citations (Google Scholar) = **3301**
ResearchGate Score = **44.14**

LINKS TO SCHOLARLLY RANKINGS

ResearchGate (**Scientific Community**): (https://www.researchgate.net/profile/Lawrence_Reiter)
Google Scholar (**Publications**): (https://scholar.google.com/citations?user=-kaQJ14AAAAJ&hl=en)
Publons (**Reviews**): (https://publons.com/a/530014/)
Associate Editor (*Frontiers in Genetics*): (https://loop.frontiersin.org/people/374636/editorial)

PEER REVIEWED PUBLICATIONS

1) Hope KA, Johnson D, Miller PW, Lopez-Ferrer D, Kakhniashvili D, **Reiter L.T**. Transcriptomic and proteomic profiling of glial versus neuronal Dube3a overexpression reveals common molecular changes in gliopathic epilepsies. *Neurobiol Dis.* 2020 Apr 25:104879. PubMed PMID: 32344153.

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