Funding Sources

Current Funding

NIH/ NINDS 1-R01-NS-099348-010 (Litt; Bassett) 01/09/2016 – 31/08/2021
Virtual Resection to Treat Epilepsy

NIH/ NINDS 1T32NS091006 (Litt) 07/01/2015-06/30/2020
Training Program in Neuroengineering and Medicine

Mirowski Family Foundation Grant (Litt) 12/31/2011 – 12/30/2018
Flexible Active Electronics and a New Generation of Antiepileptic Devices

1U01NS092595-01A1 (Bebin) 06/01/2016-05/31/2021
Preventing Epilepsy Using Vigabatrin in Infants with Tuberous Sclerosis

CDMRP, Epilepsy Research Program (Wolf) 09/30/2016-09/29/2019
Diffuse and Focal Brain Injury in a Large Animal Model of PTE: Mechanisms Underlying Epileptogenesis

Jonathan Rothberg Grant (Litt) 01/01/2018-12/31/2020
Accelerate localizing epileptic networks noninvasively and predicting medication response in epilepsy

The Neil and Barbara Smit Fund (Litt) 06/01/2015-12/31/18
Develop and test high resolution implantable brain devices to more effectively map and modulate brain activity

NIH RO1 (Worrell) 05/15/2015-03/31/2020
Reliable Seizure Prediction Using Physiological Signals and Machine Learning

NIH UH2 NS095495-01 (Worrell) 09/30/2015-08/31/2020
Neurophysiologically Based Responsive Brain State Tracking & Modulation in Focal Epilepsy

NINDS/NIH/DHHS 3R25NS06574505S3 (Detre) 09/01/2014 – 08/31/2019
Research Training Program In Disease-Oriented Neuroscience

Pennsylvania Health Research Formula Fund 06/01/18 – 05/31/22
Virtual Cortical Resection for Epilepsy Using Stereo EEG

Completed Funding

1) Dana Foundation Research Fellowship, 1987

2) Merritt-Putnam Fellowship Grant Award, Epilepsy Foundation of America, 1991

3) William Gowers Research Fellowship Grant Award, Epilepsy Foundation of America, 1992

4) Emory-Georgia Tech Biomedical Engineering Research Grant 1997-1999
5) Epilepsy Foundation Junior Investigator Research Fellowship Award 1998
6) Epilepsy Foundation Of America Junior Investigator Research Grant 1999
7) University of Pennsylvania Research Foundation 2000
8) American Epilepsy Society Research Initiative Award 2000-2001
9) Whitaker Foundation Biomedical Engineering Research Grant 2000-2003
11) American Epilepsy Society Grant 2000-2002
13) National Institutes of Health 2001-2003
14) Sponsored Research Grant, Neuropace, Inc. 2001-2007
15) Dana Foundation Research Award, Brain-Cardiac Interface 2001-2008
16) National Institutes Of Health Grant 2002
17) Dreifuss-Penny Award, American Academy of Neurology 2003
18) Epilepsy Foundation Grant 2003-2004
19) Partnership for Pediatric Epilepsy Research 2003-2005
20) CURE Grant 2004
21) Whitaker Foundation Biomedical Engineering Transitional Award 2004-2005
22) Klingenstein Foundation Research Award in the Neurosciences 2004-2009
23) Pennsylvania Tobacco Fund Grant 2005-2010
24) Epilepsy Research Foundation Grant 2006-2007

25) NIH Conference Grant 2007

26) NIH/NCI R01CA084438 (Guo) 6/1/2009-5/31/2010
New functional models for Biomedical Data

27) Dana Foundation (Kahana) 02/01/2008-01/31/2011
Intracranial EEG for Theta Rhythm Contingency During Cognitive Tasks

28) NIH/NINDS R01NS48598 (Litt) 8/1/2005-7/31/2011
Evolution of Seizure Precursors in Epilepsy

29) NIH 1R21NS067316 (Kahana) 9/30/2009-8/31/2011
Intracranial EEG for Neuronal Oscillatory Contingency during Cognitive Tasks

30) NIH/NINDS R01NS041811 (Dichter) 05/01/2007-04/30/2012
An Implantable Device to Predict and Prevent Seizures, Bioengineering Research Partnership

31) NIH/NIMH RO1 MH 061975-07A2 (Kahana) 07/01/2007-06/30/2012
Electrophysiology in Human Spatial Cognition

32) NIH/NCRR 1S10RR031724-01 (Litt) 09/01/2011-08/31/12
Neuralynx for Translational Research

33) NIH 1U01NS073557-01A1 (Worrell) 09/30/2011-09/29/2012
Neurophysiologically Based Responsive Pharmacotherapy for Epilepsy

34) NIH/NINDS RO1 NS 630391 A1 (Worrell) 04/15/2009-3/31/2014
Microseizure, Ultra-slow & High Frequency Oscillations: Biomarkers of Epilepsy

35) CURE Foundation Grant (Litt) 07/01/2011-06/30/2014
Flexible, Active, Implantable Devices for Epilepsy

36) Penn Medicine Neuroscience Center Grant (Litt) 02/19/2014 – 02/18/2015
Transparent Graphene Electrodes for Simultaneous Electrophysiology and Neural Recording with Single-cell Resolution

37) NIH 1P20NS080181-01 (Engel) 07/01/2012 – 06/30/2015
Epilepsy Bioinformatics Study (EpiBioS)

38) Penn Medicine Center for Health Care Innovation Grant (Litt) 07/01/2014 – 06/30/2015
An Automated, Cloud-Based Platform for ICU EEG Monitoring and Visualizing Results

39) Integra Lifesciences Grant (Lucas) 09/22/2014 – 06/21/2015
CNT-Integra Collaborative Research Project
40) NIH/ NINDS 1U24NS063930-01A1 (Litt) 02/15/2010 – 01/31/2016
The International Epilepsy Electrophysiology Database

41) NINDS/NIH/DHHS K01ES025436 (Wagenaar) 09/29/2014 – 06/30/2018
Developing Cloud-Based Tools For Big Neural Data

42) DARPA W31P4Q-14-1-005 (Rogers) 06/26/14-06/30/16
Transient Silicon Electronic Interfaces to the Brain

43) Brain Research Foundation Grant (Litt) 01/01/2013 – 12/31/2016
Nanodevices for Treating Neurological Disease

44) Brain & Behavior Research Foundation Grant (Litt) 03/15/2013 – 03/14/2017
Nanodevices to Treat Brain Network Disorders

45) Medtronic Inc. Grant (Litt) 09/23/14 – 2/22/17
A Collaboration to link the IEEG.org Portal with Medtronic Explore Cloud

46) NINDS 5T32NS043126-12 (Smith) 07/01/02-6/30/18
Brain Injury Training Grant

47) U01 NS094340 01 (Cullen) 09/03/2015-07/31/2018
Biological Living Electrodes Using Tissue Engineered Axonal Tracts to Probe and Modulate the Nervous System