

**BIOGRAPHICAL SKETCH**

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NAME Malow, Beth Ann	POSITION TITLE Professor		
eRA COMMONS USER NAME BMALOW			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Northwestern University, Evanston, IL	BS	1984	Medical Science
Northwestern University, Chicago, IL	MD	1986	Medicine
School of Public Health, University of Michigan, Ann Arbor, MI	MS	1997	Clinical Research

**A. Positions and Honors:**

1986-1987	Research Associate, Burke Rehabilitation Center, Cornell University, White Plains, New York
1987-1988	Intern, Beth Israel Medical Center, New York, New York
1988-1991	Resident, Harvard-Longwood Neurological Training Program, Boston, Massachusetts
1991-1994	Postdoctoral Fellow, Clinical Neurophysiology, National Institutes of Health, Bethesda, Maryland
1994-2001	Assistant Professor of Neurology, Department of Neurology, University of Michigan
2001-2003	Associate Professor of Neurology, Department of Neurology, University of Michigan, Ann Arbor, Michigan (with tenure)
2003-2008	Associate Professor of Neurology and Division Chief, Sleep Disorders, Department of Neurology, Vanderbilt University, Nashville, Tennessee (with tenure)
2007-present	Professor of Neurology and Division Chief, Sleep Disorders, Department of Neurology, Vanderbilt University, Nashville, Tennessee (with tenure)
2003-Pres.	Medical Director, Vanderbilt Sleep Disorders Center, Vanderbilt University, Nashville, Tennessee
2003-Pres.	Investigator, Vanderbilt Kennedy Center for Research on Human Development, Vanderbilt University, Nashville, Tennessee
2004-Pres.	Associate Director, Vanderbilt General Clinical Research Center, Vanderbilt University, Nashville, Tennessee
2005-Pres.	Director, Vanderbilt Sleep Research Core, Vanderbilt University, Nashville, Tennessee

Honors

1985	Alpha Omega Alpha, Northwestern University
2002	Elected Member, American Neurological Association (ANA)
2007	Professional Research Consultants (PRC) Five Star Customer Service Award for Excellence in Quality of Physician Care (top 10% of physicians nationally)
2008	Health Care Provider Award, Mayor's Advisory Committee for People with Disabilities

Positions

1996-2003	Clinical Research Subcommittee, American Academy of Neurology (AAN)
1998-2003	Research Committee, American Academy of Sleep Medicine
2000-2003	Scientific Program Subcommittee, Sleep Disorders Topic Chair, AAN
2001-Pres.	Ad-hoc Reviewer, NIH-NINDS Clinical Trials Study Section
2003-2005	Science Committee, AAN
2005-Pres.	Chair, Sleep Science Award Committee, AAN
2008-present	Chair, ANA/NINDS Career Development Symposium

**Malow, Beth A., M.D. (Continued)****B. Selected Peer-Reviewed Publications (in chronological order out of 63 total):**

Malow BA, Levy K, Maturen K, Bowes R. Obstructive sleep apnea is common in medically refractory epilepsy patients. *Neurology* 2000;55:1002-1007.

Malow BA, Edwards JC, Marzec ML, Sagher O, Fromes GA. Effects of vagus nerve stimulation on respiration during sleep: A pilot study. *Neurology* 2000;55:1450-1454 (expedited publication).

Malow BA, Edwards JC, Marzec ML, Sagher O, Ross DR, Fromes GA. Vagus nerve stimulation reduces daytime sleepiness in epilepsy patients. *Neurology* 2001;57:879-884.

Bristol K, Natarajan A, Lin X, Malow BA: Effects of long-term video-EEG monitoring on mood in epilepsy patients. *Epilepsy and Behavior* 2001;2:443-440.

Natarajan A, Marzec ML, Lin X, Minecan D, Malow BA. Interictal epileptiform discharges do not change prior to seizures during sleep. *Epilepsia* 2002;43(1):46-51.

Malow BA, Passaro E, Milling C, Minecan D, Levy K. Sleep deprivation does not affect seizure frequency during inpatient video-EEG monitoring. *Neurology* 2002;59:1371-1374.

Minecan D, Natarajan A, Marzec M, Malow BA. Relationship of epileptic seizures to sleep stage and sleep depth. *Sleep* 2002;25(8):899-904.

Marzec ML, Malow BA. Approaches to staging sleep in polysomnographic studies with epileptic activity. *Sleep Medicine* 2003;4(5):409-417.

Marzec ML, Edwards J, Sagher O, Fromes G, Malow BA. Effects of vagus nerve stimulation in epilepsy patients. *Epilepsia* 2003; 44(7): 930-935.

Weatherwax K, Marzec M, Lin X, Malow BA. The Sleep Apnea Scale of the Sleep Disorders Questionnaire (SA-SDQ) is a useful screening instrument for obstructive sleep apnea in a disease-specific population. *Sleep Medicine* 2003;4(6):517-521.

Malow BA. Weatherwax K, Chervin R, Hoban T, Marzec M, Martin C, Binns L. Identification and treatment of obstructive sleep apnea in adults and children with epilepsy: a prospective pilot study. *Sleep Medicine* 2003; 4: 509-515.

Mihaescu M, Malow BA. Sleep disorders: a sometimes forgotten cause of non-epileptic spells. *Epilepsy and Behavior* 2003; 4:784-787.

Malow BA, McGrew SG, Harvey M, Henderson LM, Stone WL. Impact of treating sleep apnea in a child with autism spectrum disorder. *Pediatric Neurology* 2006;34:325-328.

Antic NA, Malow BA, Lange N, McEvoy RD, Olson AL, Turkington P, Windisch W, Samuels M, Stevens CA, Berry-Kravis EM, Weese-Mayer DE. PHOX2B mutation-confirmed central hypoventilation syndrome: presentation in adulthood. *Am J Respir Crit Care Med* 2006;174(8):923-7.

Malow BA, Marzec ML, McGrew SG, Wang L, Henderson LM, Stone WL. Characterizing sleep in children with autism spectrum disorders: A multidimensional approach. *SLEEP* 2006;29(12): 1563-1571.

McGrew SG, Malow BA, Henderson L, Wang L, Song Y, Stone WL. A developmental and behavioral questionnaire for autism spectrum disorders. *Pediatric Neurology* 2007; 37(2): 108-116.

Andersen IM, Kaczmarek J, McGrew SG, Malow BA. Melatonin for insomnia in children with autism spectrum disorders. *Journal of Child Neurology* 2008; 23(5): 482-5.

Malow BA, Foldvary-Schaefer N, Vaughn BV, Selwa LM, Chervin RD, Weatherwax KJ, Wang L, Song, Y. Treating obstructive sleep apnea in adults with epilepsy: A randomized pilot trial. *Neurology* 71(8):572-7.

Malow BA, Crowe C, Henderson L, McGrew S, Wang L, Song Y, Stone WL. A Sleep Habits Questionnaire for Children with Autism Spectrum Disorders. *Journal of Child Neurology* 24(1):19-24.

Goldman SE, Malow BA, Newman KD, Roof E, Dykens EM. Sleep patterns and daytime sleepiness in adolescents and young adults with Williams syndrome. *J Intellect Disabil Res.* 2008 Dec 2 (epub ahead of print).

Reed HE, McGrew SG, Artibee K, Surdyka K, Goldman SE, Frank K, Wang L, Malow BA. Parent-based sleep education workshops in autism. *Journal of Child Neurology* 2009;24(8):936-45.

Goldman SE, Surdyka K, Cuevas R, Adkins K, Wang L, Malow BA. Defining the Sleep Phenotype in Children with Autism. *Developmental Neuropsychology* 53(2):182-8..

**C. Research Projects Ongoing or Completed During the Last 3 Years:**

- R01HD059253 (Malow) 04/01/08 - 03/31/10  
NIH/NICHD  
"Melatonin for Sleep in Children with Autism: Safety, Tolerability, and Dosing"  
The major goal of this project is to study the dose-response, including pharmacokinetics in relation to polysomnography, of melatonin in children with autism spectrum disorders
- Autism Speaks (Stone) 1/01/08 – 12/31/10  
"Autism Treatment Network Clinical Treatment Center"  
The major goal of the project is to establish an autism treatment network site at Vanderbilt to develop standards of care for the medical management of children with autism spectrum disorders.  
Role: Site Co-PI and Sleep Specialist. Dr. Malow also leads the ATN sleep committee.
- Health Resources and Services Administration (Perrin) 9/01/08 – 8/31/11  
"Autism Intervention Research Network on Physical Health (AIR-P)"  
The major goal of this project is to support guideline development within the Autism Treatment Network nationally and at the Vanderbilt site  
Role: Site Co-PI and Sleep Specialist. Dr. Malow also leads the ATN sleep committee.
- Health Resources and Services Administration (Perrin) 3/01/09 – 2/28/12  
"Autism Intervention Research Network on Physical Health (AIR-P)"  
Subcontract for Parent-Based Sleep Education Program for Children with Autism Spectrum Disorders  
The major goal of this project is to develop and test a multicenter nurse-based parent sleep education program for children with autism  
Role: Principal Investigator on Project Subcontract. Dr. Malow is the overall PI for this multisite project.
- NIH/NCRR 1 UL1 RR024975-01 (Bernard) 10/01/07 – 9/30/12  
"Clinical and Translational Science Award"  
This is an NCRR grant to support Vanderbilt Institute of Clinical and Translational Research. Dr. Malow directs the Vanderbilt Sleep Research Core and is Associate Director of the General Clinical Research Center.
- Completed:
- 5 R01 NS 042698-03 (Malow) 08/01/03 - 07/31/07  
NIH/NINDS  
"Effects of Treating Obstructive Sleep Apnea in Epilepsy"  
The major goal of this project is to perform a pilot trial of the effects of treating obstructive sleep apnea in epilepsy patients.
- Autism Speaks/National Alliance for Autism Research (Malow) 12/15/06- 12/14/08  
"Melatonin for Insomnia in Children with Autism: A Pilot Study"  
The major goal of this project is to pilot a trial of melatonin for insomnia in children with autism.
- Vanderbilt Kennedy Center Hobbs/Marino Discovery Grant (Malow) 10/01/05 – 12/31/08  
"Insomnia in Children with ASD: Functional Candidate Polymorphisms"  
The major goal of this project is to explore genetic variants of insomnia in autism spectrum disorders.
- National Alliance for Autism Research (Malow) 07/01/05 - 11/30/07  
"Defining the Physiological and Behavioral Components of Insomnia in Children with Autism Spectrum Disorders"  
The major goal of this project is to identify the causes of insomnia in children with autism spectrum disorders using parental surveys, polysomnography, and actigraphy.
- Organization for Autism Research (Malow) 1/1/07-3/31/08  
"Parental Sleep Education Program for Children with Autism Spectrum Disorders"  
The major goal of this project is to pilot a parental sleep education program for children with autism spectrum disorders, measuring the effects of the intervention on sleep, daytime behavior, and parental stress levels.