

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Andre Lagrange		POSITION TITLE Assistant Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) lagranah			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
University of Washington, Seattle WA	BS	06/87	Biology
University of Washington, Seattle WA	BS	06/87	Chemistry
Oregon Health Sciences University, Portland, OR	PhD	06/96	Physiology/Pharmacology, Neuroscience
Oregon Health Sciences University, Portland, OR	MD	06/97	
Saint Joseph Mercy Hospital, Ann Arbor, MI	Internship	1997-1998	Internal Medicine
University of Michigan, Ann Arbor, MI	Residency	1998-2001	Neurology
University of Michigan, Ann Arbor, MI	Fellowship	2001-2002	Clinical Neurophysiology

A. Positions and Honors

2002-Present Assistant Professor of Neurology, Vanderbilt University

Board Certifications

2002 American Board of Psychiatry and Neurology

2003 Added qualification in neurophysiology from American Board of Psychiatry and Neurology

2003 American Board of Clinical Neurophysiology

Honors**Fellowships**

1991 Medical Research Foundation: Tartar Research Fellow

1992-1997 NIMH M.D./Ph.D. Predoctoral NRSA fellowship

2002-2004 Vanderbilt Physician Scientist Development Program

Other Honors:

1995 Breckenridge Steroid Conference Young Investigators Award

1997 Gerlinger Scholarship

1997 Oregon Health Sciences University Student Research Award

1999 American Neurologic Association Residents Symposium

2000 William Penry Epilepsy Minifellowship

2001 American Academy of Neurology Residents Scholarship

2008 5-Star Awards for Excellence in Healthcare (top 5% of physicians nationwide)

2009 Election to the American Neurological Association

2009 Epilepsy Foundation Pediatric Partnership Research Grant

Other Experience and Professional Memberships

1993-present Society for Neuroscience

1996-1997 Medical Society of Metropolitan Portland

1996-1997 Oregon Medical Association

1996-1999 American Medical Association

2000-2002 Hope Clinic-free indigent care clinic

2001-present American Academy of Neurology

2002-present	American Epilepsy Society
2002-present	Ad hoc Reviewer; Neurology, Neuropharmacology, Epilepsy Research, Neuroscience, Journal of Neuroendocrinology, Epilepsia
2003-	Brain Blast, Neuroscience Awareness program for children
2004-present	Contributing Editor, Epilepsy Currents
2004-2007	American Epilepsy Society Scientific Program Committee
2004-2007	American Epilepsy Society Investigators Workshop Committee
2007-present	Chairman of the Medical Advisory Board for the Epilepsy Foundation of America; Personally involved in fundraising, patient education and getting three laws passed to protect patients with epilepsy.
2007-present	Grant reviewer for the Epilepsy Foundation of America
2009-present	American Neurological Association- Active member
2010-2012	American Epilepsy Society CME Review Committee
2010-	Oak Ridge Associated Universities Peer Review

B. Selected peer-reviewed publications (in chronological order)

1. Lagrange AH, Rönnekleiv, OK, & Kelly MJ (1995) The Potency of Estradiol-17 and Opioid Peptides Rapidly Hyperpolarize GnRH Neurons: A Cellular Mechanism of Negative Feedback? *Endocrinology (Rapid Commun)* 136:2341-2344.
2. Kelly MJ, Lagrange AH, & Rönnekleiv OK (1995) Estrogen Rapidly Uncouples μ -Opioid Receptors from Potassium channels via Activation of Protein Kinase A. *Analgesia* 1:494-497.
3. Lagrange AH, Wagner EJ, Rönnekleiv OK, Kelly MJ (1996) Estrogen Rapidly Attenuates a GABA_B Response in Hypothalamic Neurons. *Neuroendocrinology* 64:114-123.
4. Lagrange AH, Rönnekleiv OK, Kelly MJ (1997) Modulation of G Protein-Coupled Receptors by an Estrogen Receptor that Activates Protein Kinase A. *Mol. Pharm.* 51(4):605-12.
5. Kelly MJ, Lagrange AH, Wagner EJ, Rönnekleiv OK (1999) Rapid effects of estrogen to modulate G protein-coupled receptors via activation of protein kinase A and protein kinase C pathways. *Steroids* 64:64-75.
6. Ma S, Blair MA, Abou-Khalil B, Lagrange AH, Gurnett CA, Hedera P (2006) Mutations in the GABRA1 and EFHC1 genes are rare in autosomal dominant juvenile myoclonic epilepsy. *Epilepsy Research* 71:129-134.
7. Lee GR, Arain A, Lim N, Lagrange A, Singh P, Abou-Khalil B (2006) Rhythmic Ictal Non-Clonic Hand (RINCH) Motions: a Distinct Contralateral Sign in Temporal Lobe Epilepsy Associated with Dystonic Posturing. *Epilepsia* 47(12):2189-2192.
8. Lagrange AH, Botzolakis EJ, Macdonald (2007) RLEnhanced Desensitization In GABA_A Receptors Containing The α -4 Subunit. *J Physiol* 578:655-76. PMID: PMC2151343
9. Rula EY, Lagrange AH, Jacobs MM, Hu N, Macdonald RL, Emeson RB (2008) Developmental modulation of GABA_A receptor function by RNA editing. *J Neurosci* 28:6196-6201. PMID: PMC2746000
10. Botzolakis EJ, Maheshwari A, Feng HJ, Lagrange AH, Shaver JH, Kassebaum NJ, Venkataraman R, Baudenbacher FJ, Macdonald RL (2008) Achieving Synaptically Relevant Pulses of Neurotransmitter Using PDMS Microfluidics. *J Neurosci Methods*.
11. Azar NJ, Lagrange AH, Abou-Khalil BW (2009) Transitional Sharp Wave at Ictal Onset- A Neocortical Ictal Pattern. *Clin Neurophys* 120:665-672.
12. Bianchi MT, Botzolakis EJ, Lagrange AH, Macdonald RL (2009) The Effect of Benzodiazepines on GABA_A Receptor Opening Frequency: Differential Modulation Under Synaptic and Extrasynaptic Conditions. *Epilepsy Res* 85:212-220.
13. Williamson R, Nahif S, Mathews GC, Lagrange AH, Abou-Khalil BW (2009) Generalized-Onset Seizures With Secondary Focal Evolution. *Epilepsia* 50:1827-1832.
14. Azar NJ, Lagrange AH, Wang L, Song Y, Abou-Khalil BW (in press) Transient Improvement after Brief Antiepileptic Drug Withdrawal- Is It Related to Tolerance? *Epilepsia*..

C. Research Support
Current Research Support

5 K08 NS045122-05 07/01/04 – 06/30/10
NIH/NINDS
Effects of prolonged seizures on GABAA receptor function

Epilepsy Foundation 01/10 – 01/11
Pediatric Research Grant
Regulation of Neuronal Development by RNA Editing of GABA-A Receptors

Completed Research Support

NIH Loan Repayment Program 07/04 – 06/10
Effects of prolonged seizures on GABAA receptor function