

## CURRICULUM VITAE

Laura F. Martin, M.D. (formerly Laura F. Giordano)

### I. PERSONAL HISTORY

Family: Married, two children  
Present Position: Assistant Professor  
VA Eastern Colorado Health Care System  
University of Colorado at Denver School of Medicine  
Business Address: University of Colorado at Denver School of Medicine  
4200 East Ninth Avenue, C268-71  
Denver, Colorado 80262  
Phone: (303)-315-1554, Fax: (303)-315-5347  
Email: laura.martin@uchsc.edu

### II. EDUCATION

Undergraduate Education: Duke University, BS 1992

Graduate Education: Wake Forest School of Medicine, M.D. 1997  
University of Colorado Health Sciences Center, Department of  
Psychiatry, Residency, 2002

### III. PROFESSIONAL POSITIONS

Assistant Professor, Research and Development Service, VA Eastern Colorado Health Care System, 04/01/2006-present

Assistant Professor, Department of Psychiatry, Division of Psychopharmacology, University of Colorado at Denver School of Medicine, 04/01/2006-present

Instructor, Research and Development Service, VA Eastern Colorado Health Care System and Department of Psychiatry, Division of Psychopharmacology, University of Colorado at Denver School of Medicine, 2002-2006

### IV. TEACHING

Supervision:

Medical Student:

MS3, inpatient psychiatric rotation, 1998-99

MS3, consultation-liason service, 1999-2000

Neurosciences Graduate Student First Year Rotation, 2004

Psychiatry Resident:

PGYI, inpatient psychiatric call, 2001-2005

PGYII, inpatient psychiatric call, 2001-2005

PGYII off ward attending, 2000-01, 2002-04

PGYIII, consultation-liason and emergency room call, 2001-2005

PGYII Integrated Track Research Experience (I supervise a research elective woven into the adult psychiatry PGYII through PGYIV years of residency training for a single resident), 2006 - present

Lectures:

- Lecture, "Schizophrenia, Bipolar Disorder and Sensory Gating," 2003; 2004, 2006  
Colorado and Wyoming Junior Academy of the Sciences
- Lecture, "The Lowdown and Highlights of Bipolar Disorder," 2004, 2006  
Neuropsychiatry Course for the Neuroscience Graduate Students
- Lecture, "Second Generation Antipsychotic Medications," 2005; PGYII Psychiatry  
Psychopharmacology Course
- Lecture, "Structured Diagnostic Instruments in Research and Clinical Practice," 2006-  
present; PGYII Psychiatry Research Methodology Course
- Lecture, "Rating Scales in Research and Clinical Practice," 2006-present; PGYII  
Psychiatry Research Methodology Course
- Lecture, "Selective Serotonin Reuptake Inhibitors," 2006; PGYII Psychiatry  
Psychopharmacology Course
- Lecture, "Dual Mechanism Antidepressants," 2006; PGYII Psychiatry  
Psychopharmacology Course
- Lecture, "Antipsychotic Associated Weight Gain," 2007; PGYII Psychiatry  
Psychopharmacology Course

Courses:

- Course Co-Director and Primary Instructor, PGYIV Psychiatry Advanced  
Psychopharmacology, 2004-present

Presentations:

- Oral Session, International Congress of Schizophrenia Research, "The Neurophysiology  
of Schizophrenia, Bipolar Disorder and Schizoaffective Disorder," 2007

## V. HONORS AND AWARDS

- Summer Research Fellowship, Wake Forest School of Medicine, 1994
- First Place, Medical Student Research Day Poster Presentation, An Investigation of the Effect of  
Propofol on Hippocampal GABA-a Receptor Function Utilizing the Patch Clamp  
Technique, 1994
- Society of Biological Psychiatry 2002 Eli Lilly Travel Fellowship Award
- Distinguished Laughlin Fellow for professional achievement, dedication and scholarship in  
psychiatric residency, 2002
- American Psychiatric Association-Lilly Resident Research Award, 2003
- American Association of Chairs of Departments of Psychiatry Faculty Development Award in  
Psychopharmacology, 2005
- 2006 Steele Award. This award is given annually by the graduating residents in the general  
psychiatry residency to a faculty member, "In Recognition of Inspirational Teaching and  
Supervision."

## VI. LICENSURE

State of Colorado Medical License, issued 8/18/99  
American Board of Psychiatry and Neurology, Part I passed 11/02 and Part II passed 01/04  
Basic Life Support, 2/01/03  
Advanced Cardiac Life Support, 2/01/03

## **VII. PROFESSIONAL APPOINTMENTS**

Member, Colorado Medical Society Council on Legislation, 2004-2005  
Colorado Psychiatric Society Liason to the Colorado Medical Society, 2004-2005  
Colorado Psychiatric Society Early Career Psychiatrists Trustee, 2005-2006  
Colorado Psychiatric Society Secretary, 2006-present  
Colorado Multiple Institution Review Board Panel Member 2007-present

## **VIII. PROFESSIONAL MEMBERSHIPS**

American Psychiatric Association and the Colorado Psychiatric Society  
National Alliance for the Mentally Ill  
Colorado Medical Society

## **IX. JOURNAL REVIEW AND REFEREE WORK**

Behavioral and Brain Sciences, 2003-2004  
Biological Psychiatry, 2004  
American Journal of Psychiatry 2006 to present  
Bipolar Disorders 2006 to present  
Neuropsychopharmacology 2007 to present

## **X. GRANTS AND CONTRACTS**

Associate Investigator Award for training in research from the Department of Veterans Affairs for \$59,409 per year from June 30, 2002 until 1/7/06.

American Association of Chairs of Departments of Psychiatry Faculty Development Award in Psychopharmacology for the pursuit of research in the area of psychopharmacology, \$30,000, 7/05 to 7/07

Research Career Development Award from the Department of Veterans Affairs for the nearly full time pursuit of medical research training funding full salary together with \$20,000 annually for research, 1/8/06 to 1/7/09

## **XI. RESEARCH EXPERIENCE**

An investigation of the effects of Propofol on hippocampal Gaba-a receptor function utilizing the patch clamp technique, Wake Forest University School of Medicine, 1994

A state versus trait comparison of auditory evoked potentials, smooth pursuit eye movements, saccadic eye movements and catecholamine metabolites in the functional psychoses, Denver Veterans Affairs Medical Center Research Service and University of Colorado Health Sciences Center, 2001-2007

A functional MRI investigation of the effects of nicotine on smooth pursuit eye movements in people with schizophrenia, 2002-2004

A functional MRI investigation of the Stroop Paradigm in people with schizophrenia and bipolar disorder, 2003-present

An investigation of the effect of nicotine on Mismatch Negativity Indices in people with and without schizophrenia, 2003-present

A functional MRI investigation of Smooth Pursuit Eye Movements in people with bipolar disorder, 2004- present

Phase I and II study of a novel alpha-7 nicotinic receptor agonist in schizophrenia, 2005-present

A functional MRI investigation of the effect of nicotine on finger tapping, 2007- present

## **XII. BIBLIOGRAPHY**

Papers:

**Martin LF**, Kem WR and Freedman R (2004). Alpha-7 Nicotinic Receptor Agonists: Potential New Candidates for the Treatment of Schizophrenia. *Psychopharmacology* 174: 54-64.

Harris JG, Kongs S, Allensworth D, **Martin LF**, Tregellas J, Sullivan B, Zerbe G and Freedman R (2004). Effects of Nicotine on Cognitive Deficits in Schizophrenia. *Neuropsychopharmacology* 29: 1378-1385.

Olincy A and **Martin L** (2005). Failure to inhibit the P50 auditory evoked potential in bipolar subjects with a history of psychosis. *American Journal of Psychiatry* 162 (1): 43-9.

Tregellas J, Tanabe JL, **Martin LF** and Freedman R (2005). fMRI of Response to Nicotine During a Smooth Pursuit Eye Movement Task in Schizophrenia. *American Journal of Psychiatry* 162 (2): 391-393.

Freedman R, Ross RG, Leonard S, Worsley M, Adams C, Waldo M, Tregellas J, **Martin L**, Olincy A, Tanabe J, Kisley M, Hunter S and Stevens K (2005). Early Biomarkers of Psychosis. *Dialogues in Clinical Neuroscience* 7(1): 17-29.

Tanabe J, Tregellas JR, **Martin LF**, Freedman R (2005). Effects of nicotine on hippocampal and cingulate activity during smooth pursuit eye movement in schizophrenia. *Biological Psychiatry* 59 (8): 754-761.

Ann Olincy; Josette G. Harris; Lynn L. Johnson; Vicki Pender; Susan Kongs; Diana Allensworth; Jamey Ellis; Gary O. Zerbe; Sherry Leonard; Karen E. Stevens; James O. Stevens; **Laura Martin**; Lawrence E. Adler; Ferenc Soti; William R. Kem; Robert Freedman (2006). Proof-of-Concept Trial of an  $\alpha$ 7 Nicotinic Agonist in Schizophrenia. *Archives of General Psychiatry* 63: 630-638.

**Martin LF** and Freedman R (2007). Schizophrenia and the Alpha-7 Nicotinic Acetylcholine Receptor. *International Review of Neurobiology* 78: 225-246.

**Martin LF**, Hall MH, Leonard S, Olincy A, Tregellas J, Freedman R (2007.) Sensory Gating and Alpha-7 Nicotinic Receptor Gene Allelic Variants in Schizoaffective Disorder, Bipolar Type. *American Journal of Medical Genetics* 144B: 611-14.

**Martin LF**, Olincy A, Hall MH, Ross R, Zerbe GO and Freedman R. (2007) The Neurophysiology of Schizophrenia, Bipolar Disorder and Schizoaffective Disorder. *American Journal of Psychiatry* 164 (12): 1900-6.

- Tregellas JR, Shatti S, Tanabe JL, **Martin LF**, Gibson L, Wylie K, Freedman R, Rojas DC. (2007) Gray Matter Volume Differences and the Effects of Smoking on Gray Matter in Schizophrenia. *Schizophrenia Research* 97(1-3): 242-9.
- Freedman R, Olincy A, Buchanan RW, Harris JG, Gold JM, Johnson L, Allensworth D, Guzman A, Clement B, Ball MP, Kutnick J, Pender V, **Martin LF**, Stevens KE, Wagner BD, Zerbe GO, Soti F and Kem WR. (2007) Initial Phase 2 Trial of a Nicotinic Agonist in Schizophrenia (in revision for *American Journal of Psychiatry*)
- Martin LF**, Davalos DB and Freedman R. The effects of nicotine on temporal processing (In preparation)
- Martin LF**, Tregellas JR, Zimmerman A, Du Y, Freedman R, Olincy A. fMRI of Smooth Pursuit Eye Movements in Bipolar Disorder (In preparation)
- Letters:
- Leonard S and **Giordano L** (2002). Are Differential Behavioral Responses to Smoking and Smoking Cessation in Schizophrenia Related to Nicotinic Receptor Levels? *Neuropsychopharmacology* 27: 1082-3.
- Abstracts:
- Giordano LF**, Olincy A, Hall MH and Freedman R (2002). Failure to Inhibit the P50 Auditory Evoked Potential in Manic Psychosis. *Biological Psychiatry* 51: 179S.
- Martin LF**, Olincy A, Hall MH and Freedman R (2003). Abnormalities of Antisaccade Task Performance in Schizophrenia and Bipolar Illness. *Schizophrenia Research* 60 (1): 267.
- Martin LF**, Hall MH, Leonard S, Olincy A, Freedman R (2004). Diminished P50 Suppression is Associated with Alpha-7 Nicotinic Receptor Gene Promoter Region Single Nucleotide Polymorphisms in Schizoaffective Disorder, Bipolar Type. *Biological Psychiatry* 55: 23S.
- Martin LF**, Hall MH, Ross RG, Zerbe G, Freedman R, Olincy A (2007). The Neurophysiology of Schizophrenia, Bipolar Disorder and Bipolar Type Schizoaffective Disorder. *Schizophrenia Bulletin* 33(2): 408.