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**CURRICULUM VITAE**  
**of**  
**JONATHAN LEO, Ph.D.**

Associate Dean of Students  
Professor of Neuroanatomy  
Lincoln Memorial University-DeBusk College of Osteopathic Medicine  
Harrogate, TN 37752  
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**EDUCATION:**

1990 - 1995      **Ph.D. Anatomy**, University of Iowa, Iowa City, Iowa, USA, *Thesis Title: Alcohol-Induced Neuropathology in the Developing Rat Brain*

1982 - 1985      **Bachelor's of Arts**, Macalester College, St. Paul, Minnesota, USA

**ACADEMIC APPOINTMENTS/POSITIONS:**

2006 - Present      Associate Dean of Students, Professor of Neuroanatomy, Lincoln Memorial University-DeBusk College of Osteopathic Medicine (LMU-DCOM).

2004 - 2006      Assistant Dean of Student Affairs, LECOM/Bradenton.

2004 - 2006      Associate Professor of Anatomy, LECOM/Bradenton. Gross Anatomy Faculty member and served as a Problem Based Learning (PBL) Facilitator.

1995 - 2004      Associate Professor of Anatomy, College of Osteopathic Medicine, Western University of Health Sciences, Pomona, California..

1998 - 2002      Adjunct Faculty, Biology Department, Mount San Antonio College, Walnut, California. Clinical Anatomy for physician assistants.

2001 - 2004      Adjunct Faculty, Human Anatomy Program, Chaffey College, Rancho Cucamonga, California. Five-credit undergraduate anatomy course with lecture and laboratory (cat dissection).

1998 - Present      Lecturer for USMLE Part I Review Course, Gross Anatomy, Neuroanatomy, Histology, and Embryology, Kaplan Medical. Contributor to Kaplan Anatomy Board Review Book.

**COURSE DIRECTOR POSITIONS**

1996 - 2004      Course Director, Medical Neuroscience, College of Osteopathic Medicine, Western University of Health Sciences, Pomona, California. Eight-week full time neuroscience course.

2002 - 2004      Course Director, Head and Neck Anatomy for Medical Students

- 1999 - 2004 Course Director, Summer Anatomy Preparatory Program, College of Osteopathic Medicine, Western University of Health Sciences, Pomona, California. An intensive eight-hour a day, three-week course
- 1997 - 1999 Course Director, Physical Therapy Neuroanatomy.

### **COMMITTEE POSITIONS/ACTIVITIES/NATIONAL OFFICES**

- 2006 - Present Site Evaluator for the AOA Commission on College Accreditation.
- 2007 - Present Site Evaluator for Medical Institutions for the State of North Carolina.
- 2006 - Present Peer Reviewer for the *National Institute of Clinical Medicine* (NICE). Recent contributor for NICE guidelines on the diagnosis of ADHD.
- 2000 Member of COMLEX Standards Setting Committee

### **Lincoln Memorial University- DeBusk College of Osteopathic Medicine**

- 2005 - 2007 Chair Admissions Committee
- 2005 - Present Student Promotion Committee, ex-officio
- 2007 and 2008 Member, Search Committee for Vice President of Student Services and Enrollment Management
- 2008 - Present Member, QEP Committee

### **Lake Erie College of Osteopathic Medicine- Bradenton**

- 2004 - 2006 Admissions Committee, LECOM Bradenton
- 2004 - 2006 Student Progress and Graduation Committee, LECOM Bradenton

### **Western University of Health Sciences:**

- 1995 - 2004 Admissions Committee, College of Osteopathic Medicine
- 1995 - 2001 Curriculum Committee, College of Osteopathic Medicine

### **AWARDS**

- 1991 Tung-Yang Wing Award for Superior Anatomy Teaching
- 1996 Basic Science Teaching Award, Western University
- 2003 Basic Science Teaching Award, Western University

2008 and 2010 Basic Science Teaching Award, LMU-DCOM

## PROFESSIONAL MEMBERSHIPS

1995 - Present Society for Neuroscience  
 2000 - Present Association of Clinical Anatomists  
 2008 – Present International Society for Behavioral Neuroscience (Nominated)

## EDITORSHIPS

2003 - 2005 Editor-in Chief, *Ethical Human Psychology and Psychiatry*  
 2003 - Present Peer Reviewer, *The Journal of Mind and Behavior*  
 2009-Present Peer Reviewer, *British Medical Journal (BMJ)*

## RESEARCH INTERESTS

Research focuses on examining the data used to support the biopsychiatric view of mental illness. Efforts involve taking an in-depth look at the foundations of the often cited theories of psychological stress- such as the serotonin theory of depression, and the genetic theory of mental illness – along with the clinical trial literature, all of which have been used to support the idea that psychological stress is caused by a biological deficit. Research efforts also focus on how these theories, which the medical community now acknowledges have a more limited scientific basis than what was once thought, came to be so well accepted in spite of the limited evidence base.

Research has received international media attention in several mediums, ranging from newspaper articles to live television. This includes coverage by *United Press International, Wall Street Journal, ABC News, The New Scientist, Canadian Medical Association Journal, Medscape, WebMD, Forbes, Fortune, Nature The Psychotherapy Networker, Applied Neurology, Tallahassee Democrat, The Chronicle of Higher Education, The Telegraph* [Calcutta, India], *Hartford Courant*, and *DTC Insight*. It has also been cited in congressional reports. In addition, FOX-13-Tampa conducted a half-hour live interview about antidepressants.

## PUBLICATIONS

### Books:

Timimi, S. and Leo, J. (2009). [\*Rethinking ADHD: An International Perspective\*](#), Palgrave MacMillan, London.

### Book Chapters:

Leo, J., and Cohen, D. (2009) A Critical Review of ADHD Neuroimaging Research. In: *Rethinking ADHD*, Eds Timimi, S. and Leo, J. Palgrave Macmillan

Leo, J. and Lacasse, J. (2009) A Study of Consumer Advertisements. In: *Rethinking ADHD*. Eds. Timimi, S. and Leo, J. Palgrave Macmillan

Leo, J. (2006). The Truth about Academic Medicine. In: [\*Critical Voices in Child and Adolescent Mental Health\*](#), Eds. Timimi, S., and Maitra, B. Free Association Books.

Leo, J. (2006) American Preschoolers on Ritalin. In: [\*Sociological Odyssey\*](#) (2<sup>nd</sup> Ed.), Eds. Adler, P., and Adler, P. Wadsworth Publishing Company.

Leo, J. (2003) ADHD: Good Marketing or Good Science. In [\*Taking Sides: Drugs and Society\*](#) (6<sup>th</sup> Ed.), Ed. Goldberg, R. McGraw Hill. This is one side of a debate with Michael Fumento.

Leo, J.T. and Huether, S. (2003) Pain, Temperature, Sleep, and Sensory Function. In *Pathophysiology* (4<sup>th</sup> Ed.), Eds. McCance, S., and Huether, S. Mosby

Leo, J.T. and Sugerman, R. (2001) Neuropharmacology and Psychotropic Drugs. In [\*Psychotropic Drugs\*](#) (4<sup>th</sup> ed). Eds. Keltner, N.S. and Folks, D.G. Mosby

Younoszai, R., Kuehn, C.S., and Leo, J. (1999) New Designs for Learning Anatomy. In *Mission Management: A New Synthesis*. Eds. Bulger, S., Osterweis, M., and Rubin, E. Association of Academic Health Centers.

### **Papers:**

Lacasse, J., and Leo, J. (In Press) [Knowledge of Ghostwriting and Financial Conflicts of Interest](#) Reduces the Perceived Credibility of Biomedical Research. *BMC Research Notes*.

Leo, J, and Lacasse, J. (2010) [Commentary: Ghostwriting and Academic Medicine](#), *Chronicle of Higher Education*, July 19, 2010

Moncrieff, J. and Leo, J. (2010) [A Systematic Review of the Effects of Antipsychotic Drugs on Brain Volume](#). *Psychological Medicine*, Jan 20 1-14.

Lacasse, J, and Leo, J. (2010) [Ghost Writing at Elite Academic Centers](#), *Public Library of Science Medicine (PLoS Medicine)*7(2).

Leo, J. (2009) [JAMA, Free Speech and Conflicts of Interest](#), *Society*, November.

Lacasse, J.R., and Leo, J. (2009) [Consumer Advertisements for Psychostimulants in the United States](#). *Psychiatric Times*. Vol. 26. No. 2

Leo, J. and Lacasse, J. (2008) The Media and the Chemical Imbalance Theory of Depression. *Society*, <http://www.springerlink.com/content/u37j12152n826q60/fulltext.pdf>

Joseph, J. and Leo, J. (2006). [Genetic Relatedness and the Lifetime Risk for Being Diagnosed with Schizophrenia: Gottesman's 1991 Figure 10 Reconsidered](#). *The Journal of Mind and Behavior*. Vol 27. pp.73-89.

Leo, J. (2006). [The SSRI Trials in Children](#). *Ethical Human Psychiatry and Psychology*, Vol. 8 (1), pp. 29-41.

Lacasse, J. and Leo, J. (2005) Serotonin and Depression: A Disconnect between the Advertisements and the Scientific Literature. *Public Library of Science Medicine (PLoS Medicine)*  
[http://medicine.plosjournals.org/archive/1549-1676/2/12/pdf/10.1371\\_journal.pmed.0020392-L.pdf](http://medicine.plosjournals.org/archive/1549-1676/2/12/pdf/10.1371_journal.pmed.0020392-L.pdf) .

Leo, J. (2005). [Methylphenidate-Induced Neuropathology in the Developing Rat Brain: Implications for Humans \(Editorial\)](#). *Ethical Human Psychology and Psychiatry*. Vol 7 No. 2. pp. 107-110.

Leo, J. (2004) [The Biology of Mental Illness](#). *Society*. Vol 41 No. 5. pp. 45-54.

Leo, J. (2004) [The Healy Dilemma: A Reply to the American College of Neuropharmacology's report on SSRIs and Suicide](#). *Ethical Human Psychology and Psychiatry* Vol 6. (2), pp. 147-151

Cohen, D. and Leo, J. (2004) [An Update on ADHD Neuroimaging Research](#). *The Journal of Mind and Behavior*. Vol 25. (2), pp. 161-166.

Leo, J. (2004) [Multiple Comparisons in Drug Efficacy Studies: Scientific or Marketing Principles?](#) *Ethical Human Psychology and Psychiatry*. Vol. 6 No. 1. pp. 3-7.

Timimi, S., Leo, J. et al. (2004) [A Critique of the International Consensus Statement on ADHD](#). *Clinical Child and Family Psychology News*. Vol 7. pp. 59-63.

Leo, J. (2003) [The Fallacy of the 50% Concordance Rate for Schizophrenia in Identical Twins](#). *Human Nature Review*. Vol. 3: 406-415.

Leo, J. and Cohen, D. (2002). [Broken Brains or Flawed Studies: A Critical Review of ADHD Neuroimaging Research](#). *The Journal of Mind and Behavior*, Vol 24. pp. 29-56.

Leo, J. and Joseph, J. (2002). [Schizophrenia: Medical Students are Taught It's All in the Genes: But Are They Hearing the Whole Story?](#) *Ethical Human Psychology and Psychiatry* Vol. 4. pp. 17-30

Leo, J. (2002). [The Chemical Theory of Mental Illness](#). *Telos* Vol. 122. pp. 169-177.  
 A book review of *Blaming the Brain* by Elliot Valenstein and *Of Two Minds* by Tanya Luhrmann.

Leo, J., Cassell, M.D., and Bergmann, R.A., (1994). Variations in the Infraorbital Nerve, Canal, and Foramen. *Annals of Anatomy: Anatomischer Anzeiger* Vol. 177, pp. 93-95.

Goodlett, C.R., Leo, J.T., O'Callaghan, J.P., Mahoney, J.C., and West, J.R. (1993). Transient Cortical Astroglia Induced by Alcohol Exposure during the Brain Growth Spurt. *Developmental Brain Research* Vol. 72, pp. 85-97

### **Abstracts:**

Short, J.L., Leo, J.T., Nathan, B.P., and Struble, R.G. Morphological Studies to Elucidate the Role of Apolipoprotein E during Olfactory Nerve Regeneration in Mice. *Journal of Investigative Medicine* 48: 1

Sanders, R.L., Smultea, L.F., and Leo, J.T. (1999) Alcohol-Induced Cortical Astroglia as a Marker of Neuronal Damage in the Developing Rat Brain. *Journal of Investigative Medicine* 47: 39A.

Leo, J.T., West, J.R., and Pantazis, N.J., (1994) Transient Expression of Nitric Oxide Synthase in Developing Rat Cerebellum. *Society for Neuroscience Abstracts* 20: 542.19.

Leo, J.T., Goodlett, C.R., Mahoney, J.C., Thomas, J.D., West, JR., (1992) Neocortical Neuronal Depletion Induced by Alcohol Exposure During the Brain Growth Spurt. *Alcoholism: Clinical and Experimental Research* 16:377.

Leo, J.T., Ricketts, A., Mahoney, J.C., Goodlett, C.R., and West, J.R., (1993) Reactive Astrogliosis Following Short Term Alcohol Exposure during the Brain Growth Spurt. *Society for Neuroscience Abstracts* 19: 749.4.

Leo, J.T., Goodlett, C.R., Mahoney, J.C., and West, J.R. (1991) Cortical Astrogliosis Induced by Early Postnatal Alcohol Exposure in Rats Demonstrated by Confocal Microscopy of GFAP Immunofluorescence. *Society for Neuroscience Abstracts* 17: 601.17.

### **Book Contributions:**

Reviewer for: Fix, J. (2008) [Atlas of Human Brain and Spinal Cord](#) (2008) Jones and Bartlett, MA

Consulting Editor for Kaplan Anatomy COMLEX Review (2006)

### **Letters to the Editor:**

Authors' Reply to letter written by Van Haren, N. and Kahn, R. (2010) A comment on "A Systematic review of the effects of antipsychotic drugs on brain volume" by Moncreiff and Leo. *Psychological Medicine*, Volume 40.

Timimi, S., Jureidini, J., and Leo, J. (2008) [NICE recommendations are not evidenced based and could expose many to unnecessary harm](#). *BMJ* 337:a2284

Lacasse, J.R., & Leo, J. (2008). [Escitalopram, Problem-solving Therapy, and Poststroke Depression](#). *JAMA*, 300(15), 1757-1758.

Leo, J. and Lacasse, (2007) [A Clarification regarding Truthiness in Advertising](#), *Annals of Family Medicine*  
<http://www.annfammed.org/cgi/eletters/5/1/6#5233>

Leo, J. (2006) Schizophrenia Adoption Studies. *Public Library of Science* Vol 3, e386  
<http://medicine.plosjournals.org/perlserv?request=get-document&doi=10.1371/journal.pmed.0030366>

Lacasse, J. Leo J. (2006) Questionable advertising of Psychotropic Medications. *Public Library of Science*. <http://medicine.plosjournals.org/perlserv/?request=get-document&doi=10.1371/journal.pmed.0030321>

### **TALKS**

[Serotonin: The history, science and marketing](#). (October 12, 2010) Pellissippi State Community College.

NARPA Convention, Atlanta Georgia (September 2010). The Myth of Evidence Based Medicine  
Revised 4/21/2011

Serotonin and Depression (August 7, 2008) Schapiro Undergraduate Research Symposium, Key Note Speaker, Randolph-Macon College, Ashland VA,

Impact of Methamphetamine on the Developing Brain (October 2, 2006). Tri-State Social Work Conference: Drug Endangered Children in Appalachia, Lincoln Memorial University.

Serotonin and Depression (September 20, 2005) International Center for the Study of Psychology and Psychiatry: Annual Meeting. New York, New York.

The Molecular Biology of Learning and Memory (October 27, 2006) Eastern Mennonite University, Suter Science Seminar.

Selected media coverage of research (Click on logo to go to article):



