
BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

| NAME Jennifer S. Labus | POSITION TITLE Adjunct Assistant Professor | | |
|---|---|-----------|--|
| eRA COMMONS USER NAME Labus2 | | | |
| 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 |
| Kent State University, Kent, OH | B.A. | 1988-1993 | Psychology |
| Northern Arizona University, Flagstaff, AZ | M.A. | 1995-1997 | Applied Health Psychology |
| Ohio University, Athens, Ohio | M.S., Ph.D. | 1997-2002 | Clinical Health Psychology and Applied Quantitative Statistics |
| University of Washington School of Medicine, Seattle, Washington | Clinical Internship | 2001-2002 | Health Psychology /Pain/Rehabilitation |
| University of California, Los Angeles, Psychiatry and Behavioral Sciences, Los Angeles, CA | Post doctoral fellowship | 2002-2004 | Clinical Health Psychology |

A. Positions and Honors.

Positions and Employment

- 2004 – 2006 Assistant Research Psychologist, Department of Psychiatry and Biobehavioral Sciences, UCLA Neuropsychiatric Institute
- 2004 – Present Senior Biostatistician, UCLA Center for Neurovisceral Sciences and Women's Health
- 2006 – Present Adjunct Assistant Professor, Department of Psychiatry and Biobehavioral Sciences, Semel Institute for Neuroscience and Human Behavior, University of California, Los Angeles

Honors

- 1992 Phi Beta Kappa, Kent State University
- 2004 NIH Loan Repayment Award (L30 DK068815-01)
- 2006 NIH Loan Repayment Award, renewal (L30 DK068815-02)

Professional Societies

- American Gastroenterological Association
- American Pain Society
- Center of Neurovisceral Sciences and Women's Health, Associate Member
- Society for Neuroscience
- The Organization for Human Brain Mapping

Reviewer

- Cephalalgia
- Cochrane Review by Duke University Center for Health Care Policy And Research
- European Journal of Pain
- Journal of Pain
- Gastroenterology
- Journal of Psychosomatic Research

Ad Hoc Reviewer

- Behavior Research and Therapy
- Human Brain Mapping
- Journal of Burn Care and Rehabilitation

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

1. Lipchik GL, Holroyd KA, O'Donnell FJ, Cordingley, GE, Waller S, **Labus J**, Davis MK, French DJ. Exteroceptive suppression periods and pericranial muscle tenderness in chronic tension-type headache. *Cephalalgia* 2000;20:638-46.
2. **Labus JS**, France CR, Taylor BK. Vasovagal reactions in volunteer blood donors: Analyzing the predictive power of the Medical Fears Survey. *International Journal of Behavioral Medicine* 2000;7:62-72.
3. **Labus JS**, Keefe F, Jensen M. Pain reports and observed pain behavior: When are they correlated? *Pain* 2003;102:109-124.
4. Holroyd KA, **Labus JS**, O'Donnell FJ, Cordingley GE. Treating chronic tension-type headache not responding to amitriptyline hydrochloride with paroxetine hydrochloride: A pilot evaluation. *Headache* 2003;43:999-1005.
5. **Labus J**, Bolus R, Chang L, Wiklund I, Naesdal J, Mayer E, Naliboff B. The Visceral Sensitivity Index: Development and validation of a gastrointestinal symptom-specific anxiety scale. *Aliment Pharmacol Ther* 2004;20:89-97.
6. Tillisch K, **Labus JS**, Naliboff BD, Bolus R, Shetzline M, Mayer EA, Chang L. Characterization of the alternating bowel habit subtype in patients with irritable bowel syndrome. *Am J Gastroenterol* 2005;100:896-904.
7. Mayer EA, Berman S, Suyenobu B, **Labus J**, Mandelkern M, Naliboff B, Chang L. Differences in brain responses to visceral pain between patients with irritable bowel syndrome and ulcerative colitis. *Pain* 2005;115:398-409.
8. Tillisch K, Mayer EA, **Labus JS**, Stains J, Chang L, Naliboff BD. Sex specific alterations in autonomic function among patients with irritable bowel syndrome. *Gut* 2005;54:1396-1401.
9. Schieffer BM, Pham Q, **Labus J**, Baria A, Van Vort W, Davis P, Davis F, Naliboff BD. Pain medication beliefs and medication misuse in chronic pain. *J Pain* 2005;6:620-629.
10. Naliboff BD, Berman S, Suyenobu B, **Labus JS**, Chang L, Stains J, Mandelkern MA, Mayer EA. Longitudinal change in perceptual and brain activation response to visceral stimuli in irritable bowel syndrome patients. *Gastroenterology* 2006;131:352-365.
11. Chang L, Mayer EA, **Labus JS**, Schmulson M, Lee OY, Olivas TI, Stains J, Naliboff BD. Effect of sex on perception of rectosigmoid stimuli in irritable bowel syndrome. *Am J Physiol Regul Integr Comp Physiol* 2006;291:R277-R284.
12. Mystkowski JL, Craske MG, Echiverri AM, **Labus JS**. Mental reinstatement of context and return of fear in spider-fearful participants. *Behav Ther* 2006;37:49-60.
13. Berman SM, Naliboff BD, Suyenobu B, **Labus JS**, Stains J, Bueller JA, Ruby K, Mayer EA. Sex differences in regional brain response to aversive pelvic visceral stimuli. *Am J Physiol Regul Integr Comp Physiol* 2006;291:R268-R276.
14. **Labus JL**, Mayer EA, Chang L, Bolus R, Naliboff BD. The central role of gastrointestinal-specific anxiety in irritable bowel syndrome: Further validation of the Visceral Sensitivity Index. *Psychosom Med* 2007;69:89-98.
15. **Labus JL**. In search of mechanisms of change in treatment outcome research: Mediators and moderators of psychological and pharmacological treatments for Irritable Bowel Syndrome. *Gastroenterology* 2007;133:702-5.

C. Research Support

Ongoing Research Support

K08 DK071626 Labus (PI)

07/01/06 – 06/30/11

NIH NIDDK

Effective Connectivity of Central Response in IBS

This Mentored Clinical Scientist Development training plan involves the acquisition, development and application of novel quantitative methods such as effective connectivity modeling and individual growth curve modeling for fMRI and psychophysiological data and includes coursework and mentored training in neuroscience, neurobiology of brain-gut interactions, advanced biostatistics, neuroengineering, and clinical research in IBS.

Role: PI

R24 DK067672 Mayer (PI)

09/15/04 – 07/31/09

NIH NIDDK/NCCAM

Mind/Brain/Body Interactions in Stress-Related Disorders (NIH Center Infrastructure)

The goals of this project are: 1) To establish 4 research support cores (animal models, brain imaging, psychophysiology, health outcomes) aimed at fostering campus wide interdisciplinary research in the area of stress biology. 2) To develop infrastructure for training

Role: Senior Biostatistician

Completed Research Support

R01 NR007768 Naliboff (PI)

07/01/02 – 06/30/07

NIH/NINR

Treatment of Pain and Fear in Irritable Bowel Syndrome

The major goals of this randomized clinical trial are: 1) To compare symptom and Quality of Life responses in IBS patients to three treatment conditions: a novel behavioral treatment using exposure and directed attention, a stress management treatment, and an educational intervention. 2) To compare the treatments on visceral sensitivity, hypervigilance and autonomic responses, and 3) To compare the treatments on central responses to visceral related stimuli using functional brain imaging.

Role: Biostatistician

NIH/NINDS NS 32374 Holroyd (PI)

09/30/94 – 08/31/05

NIH

Drug and Nondrug Treatment of Chronic Tension Headache

This project evaluates the effectiveness of the primary pharmacological (Amitriptyline HCL) and self-regulatory (Stress- Management) therapies for chronic tension-type headaches and migraines, both separately and when combined. It also attempts to elucidate the psychological and biological mechanisms whereby pharmacologic and self-regulatory treatments produce improvement.

Role: Biostatistician