

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 Roger Edward Bolus, Ph.D.		POSITION TITLE Director – Biostatistics & Database Management	
eRA COMMONS USER NAME			
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
Boston College, Boston, MA	B.A. (Magna cum laude)	1974	Education
University of California, Los Angeles, Los Angeles, CA	M.A. (Honors)	1977	Research Methods, Measurement and Evaluation
University of California, Los Angeles, Los Angeles, CA	Ph.D. (Honors)	1981	Research Methods, Measurement and Evaluation
Harvard Graduate Business School, Boston, MA		2000	Executive Education Program

A. Positions and Honors.**Positions and Employment**

- 1974 – 1977 Programmer and Software Systems Analyst, Hughes Aircraft Company, Los Angeles, California
- 1981 – 1982 Associate Research Director, University of California, Los Angeles Medical Center, Los Angeles, California
- 1982 – 1991 Director, Analytical and Reporting Services, Cedars-Sinai Medical Center, Los Angeles, California
- 1991 – 1994 Associate Director, Clinical Programs Research & Development, Health Net, Woodland Hills, California
- 1994 – 2000 Director, Team Leader, Pfizer Health Solutions/Value Health Sciences, Santa Monica, California
- 2000 – Present Principal & Founder, Research Solutions Group, San Diego, California
- 2001 – Present Director – Biostatistics and Database Management, CNS: Center for Neurovisceral Sciences & Women's Health, University of California, Los Angeles, Department of Medicine, Division of Digestive Diseases, Los Angeles, California

Other Experience and Professional Memberships

Association of Health Services Research

Editorial Advisory Board, Disease Management and Health Outcomes

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

1. Shavelson RJ, **Bolus R.** Self-concept: The interplay of theory and models. *Journal of Educational Psychology* 1982; 74: 3-17.
2. Osborn LM, Reiff MI, **Bolus R.** Jaundice in the full-term neonate. *Pediatrics* 1984;73:520-525.
3. Yager J, Grant I, **Bolus R.** Interaction of life events and symptoms in psychiatric patient and nonpatient married couples. *J Nerv Ment Dis* 1984;172:21-25.
4. Osborn LM, **Bolus R.** Temperature and fever in the full-term newborn. *J Fam Pract* 1985;20:261-264.
5. Osborn LM, **Bolus R.** Breast feeding and jaundice in the first week of life. *J Fam Pract* 1985;20:475-480.

6. Weingarten S, Ermann B, **Bolus R**, Riedinger MS, Rubin H, Green A, Karns K, Ellrodt AG. Early "step-down" transfer of low-risk patients with chest pain. A controlled interventional trial. *Ann Intern Med* 1990;113:283-289.
7. Weingarten S, **Bolus R**, Riedinger MS, Maldonado L, Stein S, Ellrodt AG. The principle of parsimony: Glasgow Coma Scale score predicts mortality as well as the APACHE II score for stroke patients. *Stroke* 1990;21:1280-1282.
8. Weingarten S, **Bolus R**, Riedinger M, Selker H, Ellrodt AG. Do older internists use more hospital resources than younger internists for patients hospitalized with chest pain? A study of patients hospitalized in the coronary care and intermediate care units. *Crit Care Med* 1992;20:762-767.
9. Klein, S, **Bolus, R**. The size and source of differences in bar exam passing rates among racial and ethnic groups. *The Bar Examiner*, 1997.
10. **Bolus R**, Pittts, J. Patient Satisfaction: The Indispensable Outcome. *Managed Care* 1999;8:24-28.
11. Naliboff BD, **Bolus R**, Chang L, Reinholdt J, Liu C, Mayer EA. Visceral specific anxiety in irritable bowel syndrome: Development of the Visceral Sensitivity Index (VSI). *Gastroenterology* 2002;122:A501.
12. Sach J, **Bolus R**, FitzGerald L, Naliboff BD, Chang L, Mayer EA. Is there a difference between abdominal pain and discomfort in moderate to severe IBS patients? *Am J Gastroenterol* 2002;97:3131-3138.
13. Spiegel BMR, Gralnek IM, Mayer EA, **Bolus R**, Dulai GS, Naliboff B. Clinical determinants of health-related quality of life in irritable bowel syndrome. *Gastroenterology* 2003;124:A398.
14. Mayer EA, Raean H, **Bolus R**, Naliboff B, Kuo W, Mayer M. Psychoeducational intervention in IBS improves symptoms and health related quality of life – A controlled study. *Gastroenterology* 2003;124:A398.
15. Tillisch k, Naliboff BD, **Bolus R**, Olivas TI, Mayer EA, Chang L. Rectosigmoid sensory measures distinguish IBS patients from controls and correlate with self ratings of GI symptom severity. *Gastroenterology* 2003;124:A252.
16. Spiegel BMR, Gralnek IM, Mayer EA, **Bolus R**, Chang L, Dulai GS, Naliboff B. Is a negative colonoscopy associated with reassurance or improved health-related quality of life in irritable bowel syndrome? *Gastroenterology* 2003.
17. Naliboff BD, Mayer M, Fass R, FitzGerald LZ, Chang L, **Bolus R**, Mayer EA. The effect of life stress on symptoms of heartburn. *Psychosom Med* 2004;66:426-434.
18. Labus JS, **Bolus R**, Chang L, Wiklund I, Naesdal J, Mayer EA, Naliboff BD. The Visceral Sensitivity Index: Development and validation of a gastrointestinal symptom-specific anxiety scale. *Aliment Pharmacol Ther* 2004;20:89-97.
19. Spiegel BM, Gralnek IM, **Bolus R**, Chang L, Dulai GS, Mayer EA, Naliboff B. Clinical determinants of health-related quality of life in patients with irritable bowel syndrome. *Arch Intern Med* 2004;164:1773-1780.
20. 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; In press.

C. Research Support

Ongoing Research Support

1 P50 DK64539-01 (Mayer PI)

09/30/02 – 08/31/07

NIH Center Grant

Women's Center for Functional Visceral Disorders

The goals of this project are: 1) To identify factors which underlie the greater vulnerability of women to develop a range of stress-related chronic pain disorders. 2) To determine sex-related differences in the responsiveness of central stress circuits in terms of HPA axis, autonomic output and pain modulation in healthy control subjects, patients with IBS and patients with interstitial cystitis. 3) To characterize potential mechanisms underlying sex related differences in central stress circuit output in healthy rats, in a rat model of visceral hyperalgesia, and in a cat model of interstitial cystitis.

Role: PI for Biostatistics and data management core

1 R24 AT002681-01 Mayer (PI)

09/15/04 – 07/31/09

NIH CCAM

Principal Investigator/Program Director (Last, First, Middle):

MIND/BRAIN/BODY Interactions in Stress Related Disorders

The goal of this infrastructure grant is to develop 4 research cores (Health Outcomes, Neuroimaging, Animal Models, Psychophysiology and Pain Assessment) to provide novel, cutting edge expertise and technologies to UCLA investigators interested in the study of mind brain body interactions. After the full build up of the cores, there will be a Pilot and Feasibility program for years 3-5 of the grant with 4 annual awards. These projects will utilize the resources of the cores as well as the expertise of the involved faculty. In addition, a career development program in form of a Named New Investigator award is included, as well as several developmental and public infrastructure components.

Role: Associate Director of the Health Outcomes Core and Developmental Projects

Completed Research Support

SSGI 133122 (Mayer PI)

01/01/97-06/30/03

AstraZeneca

Basic and Clinical Studies in Functional GI Disorders

The major goals of this program are to develop new pharmacological treatments for functional digestive diseases. Specific research projects address: 1) development of techniques for visceral sensitivity testing in rats, mice and humans; 2) examination of potential treatment compounds in animal models; 3) cellular and molecular mechanisms of visceral sensation; and 4) human trials.

Role: Consultant