

CURRICULUM VITAE

LIN CHANG, M.D.

Professor of Medicine
Vatche and Tamar Manoukian Division of Digestive Diseases
David Geffen School of Medicine at UCLA

PERSONAL HISTORY:

Office Address: G. Oppenheimer Center for Neurobiology of Stress and Resilience
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EDUCATION:

1978 - 1982 University of California, Los Angeles, Degree: B.S.
Biochemistry

1982 - 1986 UCLA School of Medicine, Los Angeles, Degree: M.D.

1986 - 1987 Internship: Harbor-UCLA Medical Center, Internal Medicine

1987 - 1989 Residency: Harbor-UCLA Medical Center, Internal Medicine

1989 - 1990 Research Fellowship: Harbor-UCLA Medical Center,
Division of Gastroenterology

1990 - 1992 Clinical Fellowship: UCLA Integrated Program,
Gastroenterology

BOARD CERTIFICATION:

ABIM: Internal Medicine 1989
Gastroenterology 1993, recertification 2014

PROFESSIONAL EXPERIENCE:

2006- present Professor of Medicine-in-Residence, Division of Digestive Diseases, David Geffen School of Medicine at UCLA

2000 - 2006 Associate Professor of Medicine, Division of Digestive Diseases, David Geffen School of Medicine at UCLA

1997 - 2000 Assistant Professor of Medicine, Division of Digestive Diseases, UCLA School of Medicine

- 1993 - 1997 Assistant Professor of Medicine-in-Residence, UCLA,
Harbor-UCLA Medical Center
- 1992 - 1993 Associate Consultant, Mayo Clinic, Rochester, Minnesota,
Department of Gastroenterology

PROFESSIONAL ACTIVITIES:

- 2017 – present Vice-Chief, Vatche and Tamar Manoukian Division of
Digestive Diseases, David Geffen School of Medicine at
UCLA
- 2002 - present Co-Director, G Oppenheimer Center for Neurobiology of
Stress and Resilience, Division of Digestive Diseases,
David Geffen School of Medicine at UCLA
- 2013 – present Program Director, UCLA GI Fellowship Training Program
- 2012 – 2016 Director, Digestive Health and Nutrition Clinic, UCLA
- 2016 – 2017 Scientific Review Committee, Clinical Translational Science
Institute
- 2011 - 2016 Co-Leader, Clinical Translational Science Institute, Clinical
and Community Research Resource Program
- 2005 – 2011 Associate Director, UCLA General Clinical Research Center
- 2004 - 2014 Co-Director, CURE: Digestive Diseases Research Center,
Human Studies Core
- 2002 - 2004 Course Director of Pathophysiology of Disease:
Gastrointestinal System, UCLA School of Medicine
- 1997 - 2002 Co-Director and Head of Clinical and Clinical Research
Operations, Neuroenteric Disease Program,
UCLA/CURE
- 1997 - 2007 Director, Motility Unit, UCLA Medical Center
- 1993 - 1997 Director, General Gastroenterology Clinic, Harbor-UCLA
- 1993 - 1997 Director, Motility Unit, Harbor-UCLA

Committee Service

- 1994 - 1999 Harbor-UCLA Department of Medicine**

1994 - 1997	Professional Group Management Committee
1996 - 1997	Medical Intern Interview Committee
1996 - 1999	Clinical Study Center Advisory Committee
1997 - present	UCLA and/or CURE
1997 - 1998	Clinical GI Meeting Committee
2000 - 2001	Enrichment Committee
1998 - 1999, 2002-3	All-Day Research Meeting Organizing Committee Served as Co-chair (2002)
2001 - 2003	Executive Committee
2005 - present	Pilot and Feasibility Committee
2009 - 2015	UCLA MedCAP Committee, alternate member
2012- 2014	UCLA Search Committee for FTE in Division of Digestive Diseases
2010 – 2012	Gastroenterology Fellowship Application Committee
2013 – present	Gastroenterology Fellowship Application Committee (Chair)
2013 – present	Gastroenterology Fellowship Curriculum Action Committee (Chair)
2014 – present	Gastroenterology Fellowship Clinical Competency Committee
2015 – present	Gastroenterology Fellowship Program Evaluation Committee (Chair)
2015 – present	Gastroenterology Fellowship Self-study Group (Chair)
2015 – present	Research Council, Division of Digestive Diseases
2011 – 2016	Operations Committee and Scientific Review Committee, UCLA Clinical Translational Research Center
2016 – present	Clinical and Translational Science Institute (CTSI) Scientific Review Committee (SRC)
2018 – present	CTSI Data Safety Monitoring Board (DSMB)
2016 - present	UCLA Medical Education Pathway (MEP) mentor
2017 - present	T32 training grant committee member
2016 – present	Faculty Mentoring program, UCLA Department of Medicine
2018 – present	Associate Director, CURE Digestive Disease Research Center
2018 – 2021	Council on Research, Academic Senate
2005 - present	Center for Neurobiology of Stress
2003 - present	Executive Committee
2005 – 2006, 2014	Annual Symposium (Committee Chairperson)
1994 - present	American College of Gastroenterology (ACG)
1994	Abstract Selection Subcommittee (Miscellaneous category)
2001	Functional GI Abstract Selection Committee
2004 - 2008	Practice Parameter Sub-Committee, Functional Bowel and GI Motility (Sub-Chair)
2007-2013	Educational Affairs Subcommittee
2008	Abstract Selection Subcommittee, Chair (Stomach and Small Intestine, unspecified)
2009	Abstract Selection Subcommittees (Functional Bowel Disorders and Stomach and Small Intestine)

2010-2012	Abstract Selection Subcommittee (Functional Bowel Disorders; served as Chair in 2011)
2014	Abstract Selection Subcommittee (Functional Bowel Disorders)
2013	Course Co-Director, ACG Postgraduate Course
2013-2015	Women in Gastroenterology Committee
2014- present	Mentoring Program
2017- present	ACG Functional GI Health and Nutrition Circle Expert Panel
2003 - present	American Gastroenterological Association (AGA)
2006-2007	Nominating Committee
2007-2008	AGA Women's health slide set, IBS section
2008	AGA Investing in the Future Program (Chair, regional course)
2010	AGA Clinical Congress, Course Director
2012	Corporate Committee member, AGA Research Foundation
2012	Regulatory Work Group, Public Affairs and Advocacy Committee
2015-2017	AGA China Task Force
2015-2016	AGA Rome Foundation Awards-Grant Review Committee
2015	Course Co-Director, AGA Freston Conference on IBS
2016	Abstract Poster Judge, Irritable Bowel Syndrome: Clinical, Digestive Diseases Week
2017	2017 Regional Practice Skills Workshop- California, Faculty Course Director
2018	Director, AGA Postgraduate Course
2017-2018	Presidential Plenary Subcommittee, AGA Council
2018-2021	Clinical Research Councilor, AGA Institute Governing Board
2018-2021	Appointments Committee
	AGA Neurogastroenterology and Motility Section
2003-2005	Abstract Selection Committee, Pharmacotherapy (served as Chair for 2004-5)
2003-2005	Abstract Selection Committee, Pharmacotherapy (served as Chair for 2004-5)
2004-2006	Abstract Selection Committee, Small Bowel Motility and Disorders (Chair for 2005-6)
2007-2012	Clinical Councilor
2008-2009	Abstract Section Committee Chair, Constipation, IBS and other Functional GI Disorders: Pathophysiology and Genetics
2009-2010	Abstract Selection Committee, Constipation, IBS and Other Colonic Motility and Functional Disorders: Pathophysiology Genetics and Molecular Epidemiology
2010-2012	Abstract Selection Committee Chair, Viscerosensory Mechanisms and Visceral Nociception
2012-2013	Abstract Selection Committee (Chair), Constipation, IBS and Other Colonic Motility and Functional Disorders: Pathophysiology Genetics and Molecular Epidemiology

2012- 2013	Abstract Selection Committee (Chair), Constipation, IBS and Other Colonic Motility and Functional Disorders: Diagnosis, Evaluation and Treatment
2013-2014	Abstract Selection Committee (Chair), Irritable Bowel Syndrome
2015-2016	Abstract Selection Committee (Vice Chair), Irritable Bowel Syndrome: Clinical
2016-2017	Abstract Selection Committee (Chair), Irritable Bowel Syndrome: Clinical
2017-2019	Vice-Chair, Neurogastroenterology and Motility Section
2019-2021	Chair, Neurogastroenterology and Motility Section

AGA Hormone and Receptors Section

2005-2008	Councilor
2005-2008	Hormone and Receptors Section Abstract Selection Committees (Chair 2006-2008): Hormones/Transmitters/Receptors and the Enteric Nervous System, GI Motility, Brain-Gut and Gut-Brain Axis, Appetite and Satiety
2010-2011	Nominating Committee

AGA Clinical Practice Section

2014-2015	Councilor
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2003 – 2010

Functional Brain Gut Research Group (FBG)

2003-2006	Annual FBG Young Investigators' Forum, Faculty, Co-Chair (2005), Chair (2006)
2004-2006	Council member
2006-2008	Secretary/treasurer
2008-2010	President Elect
2009	NGM 2009 abstract selection committee

2008-present

American Neurogastroenterology and Motility Society (ANMS)

2008-2010	Councilor
2008-2010	Research Committee
2010	NGM 2010 abstract selection committee
2010	Chair, Tissue and Serum Biomarker group, FDA Biomarker Workshop
2010-2012	Chair, Clinical Practice Committee
2010-2012	President Elect
2012-2014	President
2014-2016	Past-President
2015-present	Neurogastroenterology and Motility Journal Management Committee
2016	Young Investigator Forum faculty member
2015-2016	Junior Faculty Task Force
2017	Federation of Neurogastroenterology and Motility 2018 meeting planning committee
2017-2019	ANMS Institute's Advisory Board

2003-present	Rome Foundation
2005-2020	Rome Foundation Board of Directors
2007-present	Industry Advisory Council, Chair
2007-present	Education Committee, Chair
2003-2006	Rome III Committee, Co-chair of subcommittee on <i>Gender, Age and Cultural Influences on Functional Bowel Disorders</i>
2005-2006	Rome Committee, Co-chair of working group on <i>Severity of Functional Gastrointestinal Disorders</i>
2005-2006	Rome III working committee to develop a CD slide set for <i>Management and Diagnosis of Treatment Trials</i>
2008-2009	Chair, Endpoints and Outcomes in FGID Conference
2012-2016	Rome IV Editorial Board and committee liaison
2013-2016	Rome IV <i>Functional Bowel Disorders</i> committee
2012-2013	Rome-China Liaison Committee, Chair
2004 - present	National Institutes of Health (NIH)
November 2004	NIH Clinical and Integrative Gastrointestinal Pathobiology (CIGP) study section ad hoc reviewer
November 2007, July 2008	Digestive Sciences Small Business and Bioengineering scientific review panel
2007 – 2012	NIDDK Data and Safety Monitoring Board- EPISOD
October 2008	Center for Scientific Review- CFS study section
May 2009	NIDDK reviewer for challenge grants
February 2010	Somatosensory and Chemosensory Systems (SCS) study section- ad hoc reviewer
June 2012	NIDDK study section for pilot R21 applications
September 2015-June 2016	NIDDK Workshop on Functional Gastrointestinal Disorders: Research Directions, Planning Committee
July 2016 – June 2020	Clinical, Integrative and Molecular Gastroenterology Study Section
2003-present	Other Committee Service
2003- 2013	International Foundation for Functional Gastrointestinal Disorders (IFFGD) Symposium Planning Committee
2005-2010, July 2015-2019	Gastrointestinal Drugs Advisory Committee of the FDA (Chair, 2009-2010)
2009-2013	FDA Special Government Employee
April 2012 – February 2014	Institute of Medicine Committee on Gulf War and Health: Long-term Effects of Blast Exposure
2009-2014	PRO Consortium IBS working group (qualitative research phase)
2014- present	PRO Consortium IBS working group expert panel (quantitative research phase)
January 2018- 2020	American Board of Internal Medicine (ABIM) Gastroenterology Committee

Membership in Professional Associations and Scholarly Societies:

1994 - present	American College of Gastroenterology (Fellow in 05/12)
1994 - present	American Gastroenterologic Association (Fellow in 02/08)
2000 - 2010	Functional Brain Gut Research Group
2001 - present	Society for Neuroscience
2004 - 2010	Gastroenterology Research Group
2004 - present	American Neurogastroenterology and Motility Society
2008 - present	Organization of the Study of Sex Differences (OSSD)

Advisory Boards/Consultant:

2003, 2006-9	Foundation for Better Health Care
2008-2014	Foundation, IBS Initiative (Chair)
2014- present	GI Health Foundation, Board member
2001-2007, 2009	GlaxoSmithKline
2001-2005	Solvay
2001-2005	Novartis
2005-2007	Vela/Pharmos Pharmaceuticals
2001-2003, 2007-14	Forest, Actavis
2003	Merck
2005	sanofi-Aventis
2006-2016	Microbia/Ironwood
2006-2013	Prometheus
2006, 2015	Allergan
2006-2009, 2011-12, 2015	Takeda
2007, 2011	Lexicon
2008-2017	Salix
2008-2009	McNeil
2008, 2012-3	Tioga
2008, 2010-12	Albireo
2008, 2010, 2015-2017	Synergy
2008-2011	Rose Pharma
2008, 2010	Movetis/Shire
2009	Ocera Therapeutics
2011	Johnson & Johnson
2011	Orexigen
2012	ONO
2011	Marathon
2012-2013	Ferring
2013	Purdue Pharma L.P.
2013	Entera Health
2014	Furiex
2014-2015	QOL Medical
2014-2017	Biomerica
2014	Drais Pharmaceuticals
2015-2017	Ardelyx
2015	Commonwealth Laboratories
2015	Valeant
2015	Astra-Zeneca
2016	IM Health Sciences

2016	Synthetics Biologics
2016-2017	Eli Lilly
2016-2017	Orpho-Med
2017	Napo
2017	Cairn Diagnostics
2018	Modify Health Clinical Advisory Committee

Reviewer Services:Associate Editor

October 2009-2015	American Journal of Gastroenterology
June 2017-2022	Clinical Gastroenterology and Hepatology

Editorial Board

2004-2007	American Journal of Gastroenterology
2005-	Gastroenterology and Hepatology
2008-	Therapeutic Advances in Gastroenterology
2008-2014	Neurogastroenterology and Motility
2010-2013	Gastroenterology (also Selected Summaries contributor)
2010	Frontiers in Gastrointestinal Pharmacology
2012-2015	Clinical Gastroenterology and Hepatology
2016-	Journal of Clinical Gastroenterology

Reviewer

1996, 2003	Alimentary Pharmacology & Therapeutics
1996	Digestion
1996 - 1997	Current Gastroenterology
1998, 2001-2010, 2016-8	Gastroenterology
1998, 2003-2004, 2015	Gut
2000-2002, 2004-2016	American Journal of Gastroenterology
2000	Sleep Reviews in Medicine
2004	Mayo Clinic Proceedings
2001	NeuroImage
2001-2002	Lancet
2001	American Journal of Physiology
2001, 2008	Pain
2002	Biological Research in Nursing
2003, 2006-2017	Neurogastroenterology and Motility
2003	Annals of Rheumatic Diseases
2003-2018	Clinical Gastroenterology and Hepatology
2005	Gender Medicine
2005, 2008-9	Journal of Pain
2007	Annals of Internal Medicine
2007	Journal of Psychosomatic Research
2008	Therapeutics in Gastroenterology and Hepatology
2016	Plos One

HONORS AND SPECIAL AWARDS:

1990	Young Investigator Award, American Motility Society
1995	Auxiliary Award, American College of Gastroenterology
2002	Janssen Award in Gastroenterology, Basic or Clinical Research
2002	Women in Gastroenterology and Wyeth Award for Gender Based Research, American College of Gastroenterology
2009	AGA Distinguished Clinician Award
2010 – 2011	Voted one of “75 Best Gastroenterologists in America” by Becker’s ASC Review
2013-2016	Best Doctors in America honor
2017	Super Doctors honor
2012	Most cited original paper 2009—2011 in <i>Neurogastroenterology & Motility</i>
2016 – 2017	UCLA/CSMC Mid-Career Women's Leadership Program

RESEARCH GRANTS:

	<u>Dates</u>	<u>Role</u>
1. NIH		
<u>Active or pending</u>		
1P50 DK64539 (PI: Mayer) (Administrative Core), PI (Proj. 1) NIH P50 Center Grant Center for Neurovisceral Sciences and Women’s Health Project 1: HPA Axis Dysregulation in IBS and Related Animal Models, with Emphasis on Sex Differences (PI: Chang)	09/01/12 – 08/31/18	Co-Leader
UL1TR0001881-01S2 (PI: Dubinett) NIH/ National Center for Advancing Translational Sciences UCLA Clinical and Translational Science Institute (CTSI): Enhancing Innovation and Implementation in Safety Net Systems: A CTSA and Public Health Data Collaboration Role: Scientific Review Committee	07/01/16-5/31/21	
R01 DK048351 (PI: Mayer) NIH/NIDDK Perception and Modulation of Visceral Sensations	09/30/96 – 07/31/20	Co-I
<u>Completed</u>		
NIH CAP Award	08/01/96-07/31/99	PI

Sensory Input in IBS and Fibromyalgia
M01 RR00425-27S2

NIH R01 grant (PI: Naliboff) Gender related differences in visceral sensitivity in IBS R01 NR04881	07/01/98-06/30/01	Co-I
NIH R01 grant (PI: Mayer) Perception and modulation of visceral sensations R01 DK 48351	07/01/01-05/31/06	Co-I
NIH M01 grant (PI: Levey) NIH/NCRR General Clinical Research Center M01-RR00865	12/01/01 – 11/30/11	Co-I
NIH R01 grant Neuroendocrine alterations in Fibromyalgia and IBS R01 AR46122-01	07/01/99-1/31/12	PI
1P50 DK64539 (PI: Mayer) Center for Neurovisceral Sciences and Women's Health Project 2: Sex differences in mucosal neuron-endocrine-immune interactions in IBS patients and relationship to symptoms (PI: Chang) P50 DK64539	10/01/02-08/31/12	PI (Proj. 2)
1U01AR057936 (PI: Khanna/Spiegel) NIH/NIAMS GI Stress Domain for PROMIS	09/30/09 - 07/31/13	Co-I
P30 DK 41301 (PI: Rozengurt) NIH/NIDDK CURE: Digestive Diseases Research Core Center – Human Studies Core Co-Director, Human Studies Core	12/01/09 – 11/30/14	Co-I
UL1TR000124 (PI: Dubinett) NIH/ National Center for Advancing Translational Sciences UCLA Clinical and Translational Science Institute (CTSI) Co-Leader, Clinical & Community Research Resource (CCRR) Program	06/01/11-05/31/16	Co-Leader
1R21 DK104078-01 (PI: Chang) NIH/NIDDK DNA Methylation Based Biomarkers and Epigenetic Regulation in IBS	08/01/15-07/31/18 (with NCTE)	PI
2. Mentored NIH Awards NIH Training grant (PI: Jensen) Gastroenterology Project: Markers of Stress Hyperresponsiveness in Irritable Bowel Syndrome NIH T32 DK07180-40	07/01/14- 06/30/17	Mentor

NIH Training grant (PI: Jensen) Gastroenterology Project: Neuroendocrine responses and startle response in IBS NIH T32 DK07180-40	07/01/07- 06/30/09	Mentor
NIDDK Diversity grant supplement (PI: Mayer/Chang) Women's health and functional visceral disorders center Project 2: Sex differences in neuroendocrine and immunologic responses in IBS 3P50DK064539-06	08/01/07- 07/31/10	PI (Proj. 2) Mentor
CURE (P30 DK 41301)/CTSI (UL1TR000124) Pilot and Feasibility Grant (PI: Joshi)	03/08/16- 07/31/17 (with NCTE)	Mentor
Colonic miRNA and gene expression pathways and gut-microbiome interaction in IBS		

3. University

Active

Barbara and Joel Marcus GI Fellowship Seed Grant Fructose Reintroduction Protocol in Irritable Bowel Syndrome Patients Successfully Treated with a low FODMAP diet	03/01/16-06/30/19	PI/Mentor
Children's Discovery & Innovation Institute Harry Winston Fellowship, UCLA Department of Pediatrics VSI-IBD: A Measure of GI Symptom Specific Anxiety in IBD	07/01/18-2020	Mentor
Investigator-initiated study Vatche and Tamar Manoukian Division of Digestive Diseases Use of the Stress Management and Resilience Training (SMART) program in the management of irritable bowel syndrome: A pilot study	05/01/18 – present	PI

Completed

Harbor-UCLA Initial support of new faculty grant Identification of the pathophysiologic mechanisms present in idiopathic constipation REI 104258-00-12;008039	10/01/94-09/30/95	PI
Harbor-UCLA Research seed grant Identification of the pathophysiologic mechanisms present in idiopathic constipation REI 508063-00-00	03/01/95-02/28/97	PI
Norman Cousins Program in Psychoneuroimmunology at UCLA Autonomic, Neuroendocrine, Immunologic, and Brain Responses to Acute Stimulation in Ulcerative Colitis	04/01/98-04/01/99	PI

4. Private Industry

Active or pending

Active

Vanda Pharmaceuticals, Inc. 06/26/18- present Site PI
 A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy of Tradipitant in Relieving Symptoms of Gastroparesis

Completed

AstraZeneca (Mayer) 01/01/97 - 6/30/03 Co-I
 Basic and Clinical studies in functional GI disorders.
 14278

GlaxoWellcome – Investigator-initiated 09/00 - 12/01 PI
 A Pilot Study to Assess Nocturnal Autonomic Arousal in Female Subjects with Diarrhea-Predominant Irritable Bowel Syndrome as Compared with Healthy Controls

Novartis – Investigator-initiated 07/01/03 - 06/30/05 PI
 Characterization of irritable bowel syndrome with alternating bowel habits

GlaxoSmithKline – Investigator-initiated 1/05/05-12/31/07 PI
 Colonic mucosal immune markers in IBS
 Study # RA03-18

Prometheus – Multicenter clinical trial 1/01/08 - 6/13/08 PI
 Procurement of blood samples for use in the development of a gastrointestinal disease test panel.

Gastrotech/Rose-Multicenter clinical survey study 8/01/08 - 12/30/08 PI
 Survey for evaluation of pain attacks in irritable bowel syndrome. A natural history survey.

Prometheus – Investigator-initiated 02/15/09 - 10/14/10 PI
 Measurements of biomarkers in biopsies from IBS patients

Takeda – Investigator-initiated 09/15/09 - 12/15/10 Co-PI
 The IBS Patient Reported Observed Outcomes and Function Database

Rose Pharma – Investigator-initiated 1/1/2010 - 6/30/2011 Co-PI
 Characterizing abdominal pain in IBS: The impact on illness experience and treatment expectations

Shire-Movetis NV – Investigator-initiated 05/15/11-12/31/11 Co-I
 Developing a PRO for the Treatment of Patients with Gastroesophageal Reflux Disease (GERD) who have Partial but Inadequate Symptom Relief from Proton Pump Inhibitor (PPI) Therapy

Tioga- Multicenter Clinical Trial 04/01/12 - 03/30/13 PI
 A 12-Week, Randomized, Double-Blind, Placebo-Controlled Study of Asimadoline in Subjects with Diarrhea-Predominant Irritable Bowel Syndrome

Ironwood – Investigator-initiated 03/01/12 - 07/31/14 PI
 A Pilot Study Evaluating Guanylate Cyclase C Receptor and Ligand Expression in Colonic

Mucosa in Irritable Bowel Syndrome with Constipation and Chronic Constipation

Salix – Multicenter Clinical Trial 09/03/13 - 07/24/14 PI
 A Study to Assess Repeat Treatment Efficacy and Safety of Rifaximin 550 mg TID in Subjects with Irritable Bowel Syndrome with Diarrhea (IBS-D)

Ironwood – Investigator-initiated 10/1/11-10/31/14 Co-I
 Development and Validation of The Automated Evaluation of GastroIntestinal Symptoms (AEGIS) Platform

Ardelyx, Inc. – Investigator-initiated 03/23/17 – 03/15/18 Co-PI
 Influence of Tenapanor on alterations of colonic epithelial permeability induced by IBS-C and IBS-D fecal supernatants.

5. Other

The Rome Foundation 03/01/15 – 02/29/16 PI
 Multi-center Validation Study of the Rome IV Diagnostic Criteria for Functional Gastrointestinal Disorders

TEACHING**Lectures:**

- | | |
|---------------|--|
| 1993 - 1996 | GI motility disorders. Advanced Clinical Gastroenterology Lecture Series, Harbor-UCLA GI Inpatient Consultation Service |
| 1993 – 1997 | Inpatient Internal Medicine Ward Attending, Harbor-UCLA Medical Center (2 months per year) |
| 1993 – 1997 | Inpatient Gastroenterology Consultation Service Attending, Harbor-UCLA Medical Center (3-4 months per year) |
| 1994 - 1997 | “Pathophysiology of Gastrointestinal Motility Disorders” UCR/UCLA Biomedical Science Program, Disease Process 260 A, B, C |
| 1994 - 1997 | “Cirrhosis: Clinical Case Presentation” UCR/UCLA Biomedical Science Clinical Pathology Conference |
| January 1995 | Colonic Motility Disorders, UCLA GI Fellows’ Friday Morning Conference Lecture Series |
| February 1995 | “Management of diabetic gastroparesis”, Harbor-UCLA Clinical Endocrinology Conference |
| April 1995 | “Evaluation of Pathophysiologic Mechanisms of Idiopathic Constipation” UCLA Neuroenteric Biology Group Clinical Research Seminar |

April 1995	“Management of Chronic Constipation” Harbor UCLA Department of Medicine Grand Rounds
June 1995	“Management of ascites”, Harbor-UCLA Department of Surgery Grand Rounds
June 1995	“Evaluation and management of dyspepsia”, Harbor-UCLA Family Medicine Grand Rounds
June 1996	“Evolving therapy in irritable bowel syndrome”, Harbor-UCLA Medical Grand Rounds
January 1997	Anorectal Motility Disorders. UCLA Affiliated Training Program in GI Lecture Series.
February 1997	Alterations in the Brain-Gut Axis in Irritable Bowel Syndrome. Dallas VA Medical Center GI Conference
March 1997	Advanced Clinical Gastroenterology
1997 – present	Motility/IBD Weekly Noon Conference, UCLA Division of Digestive Diseases
October 1997	Functional Bowel Diseases. Primary Care Lecture Series, Harbor-UCLA Medical Center
July 1998, 1999, 2000, 2001	Gastrointestinal Infection, Inflammatory Bowel Disease, and Irritable Bowel Syndrome, California Internal Medicine Board Review Course Cosponsored by the American College of Physicians and the UCLA Department of Medicine
September 1998	Fibromyalgia and Irritable Bowel Syndrome: Overlap of Symptoms and Pathophysiologic Mechanisms. Harbor-UCLA Medical Center Medical Grand Rounds
January 1999	Esophageal Motility Disorders, Friday Morning Lecture Series, UCLA Affiliated Training Program in Gastroenterology
January 1999	Non-ulcer Dyspepsia and Helicobacter pylori, GI Journal Club, UCLA Division of Digestive Diseases
Feb. – March 1999 October 2001-2002 Jan 2004, Jan 2005, Jan 2006, 2007, 2008 2009, March 2010, 2011, May 2012, May 2013	Inpatient Gastroenterology Consultation Service Attending, UCLA Medical Center
April 1999	Evaluation of Anorectal Motility Disorders, GI Journal Club, UCLA Division of Digestive Diseases

May 1999	Irritable Bowel Syndrome: Update on Pathophysiologic Mechanisms and Treatment, GI Conference, Cedar-Sinai Medical Center
May 2000-2001	Gender Bias in GI Disease, Pathophysiology of Disease: Liver and Gastrointestinal Systems, UCLA School of Medicine
December 2000	Post-Infectious Irritable Bowel Syndrome, GI Conference of the Week, UCLA Division of Digestive Diseases, UCLA School of Medicine
January 2001	Differences in responses to somatic and visceral stimuli in IBS. GI Fellows Conference, University of North Carolina
January 2001	Update in Management of IBS, GI Fellows Conference, UCLA Division of Digestive Diseases, UCLA School of Medicine
June 2001	A Pathophysiologic Model of IBS. Gastroenterology Fellows Conference, Visiting Professor's Program, Penn State University, Hershey, PA
September 2001	A new model of chronic visceral hypersensitivity in adult rats induced by colon irritation during postnatal development, GI Conference of the Week, UCLA Division of Digestive Diseases, UCLA School of Medicine
October 2001	Perspectives on Managing IBS Patients, Friday AM GI Fellowship Conference, UCLA School of Medicine
January 2002	Pathophysiologic Mechanisms of Irritable Bowel Syndrome, UCLA Department of Medicine Grand Rounds
March 2002-2004	Lower Gastrointestinal Disorders, Pathophysiology of Disease: Liver and Gastrointestinal Systems, UCLA School of Medicine
July 2002	Serotonin Agents for the Treatment of IBS, Preceptor for UCLA Division of Digestive Diseases Journal Club, UCLA School of Medicine
October 2002	Pathophysiologic Mechanisms of Irritable Bowel Syndrome, Medical Grand Rounds, Visiting Professor Program, University of Manitoba, Winnipeg, Canada
December 2002	Concepts of Visceral Hypersensitivity in Irritable Bowel Syndrome, GI Grand Rounds, Cedars Sinai Medical Center, Beverly Hills, California
February 2003	Utility of Visceral Sensitivity Measures and Brain Imaging in Irritable Bowel Syndrome, USC GI Conference, Visiting Professor Program
February 2003	Evidence of Altered Brain-Gut Interactions in Irritable Bowel Syndrome, USC Medical Conference, Visiting Professor Program
March 2003	Anorectal Manometry, UCLA Division of Digestive Diseases Noon Conference.

August 2003	Women's Health Issues in GI Disorders: What Does Sex Have to do with it? UCLA GI Fellows Conference
September 2003	Overlap syndromes, GI Conference, University of Arizona VA, Visiting Professor Program
September 2003	Mechanisms of Visceral Hypersensitivity, Gulf Coast Research Conference, Baylor University and University of Texas, Visiting Professor Program
September 2003	Functional Gastrointestinal Disorders: Emerging Concepts and Promising Therapies, Cornell GI Grand Rounds
January 2004	Diagnosis and Management of Irritable Bowel Syndrome, Functional Bowel Disorders in Women: IBS, Dyspepsia, and More, UCLA Center for Neurovisceral Sciences and Women's Health Clinical Symposium (Program Chair)
January 2004	Interactive Case Presentations, Functional Bowel Disorders in Women: IBS, Dyspepsia, and More, UCLA Center for Neurovisceral Sciences and Women's Health Clinical Symposium (Program Chair)
January 2004	Pathophysiologic Mechanisms and Treatment of Irritable Bowel Syndrome, Staten Island University Hospital Grand Rounds, New York
January 2004	Emerging Concepts and Novel Treatments for Irritable Bowel Syndrome, University of Medicine and Dentistry of New Jersey Grand Rounds, New Jersey
February 2004	Use of Psychotropic Agents in Functional Gastrointestinal Disorders, UCLA Division of Digestive Diseases Noon Conference
February 2004	Functional Dyspepsia: What's the Cause and Can We Treat It? Difficult Problems - New Solutions; An update in Gastroenterology and Hepatology for 2004, UCLA Division of Digestive Diseases 50 th Anniversary, Century City, Los Angeles
July 2004	Pathophysiologic Mechanisms of Irritable Bowel Syndrome and Fibromyalgia, Center for Neurovisceral Sciences and Women's Health Translational Seminar, UCLA, Los Angeles
August 2004	Differential diagnosis of IBS: symptom presentation and diagnosis; UCLA Division of Digestive Diseases Noon Conference
September 2004	Overlap of Irritable Bowel Syndrome and Fibromyalgia, GI Grand Rounds, University of Michigan, visiting professor

November 2004	Irritable Bowel Syndrome, Gastrointestinal, Endocrine and Reproductive Medicine II, Human Biology and Disease Curriculum, David Geffen School of Medicine
November 2004	Gender Specificity in GI Disease, Gastrointestinal, Endocrine and Reproductive Medicine II, Human Biology and Disease Curriculum, David Geffen School of Medicine
January 2005	Overlap of Chronic Functional Pain Syndromes. Functional Gastrointestinal Disorders and Co-Morbid Conditions, UCLA Center for Neurovisceral Sciences and Women's Health Clinical Symposium (Program Chair)
February 2005	Irritable Bowel Syndrome: New Approach to Diagnosis and Treatment, Update 2005: Gastroenterology and Hepatology for the Primary Care Physician, Division of Digestive Diseases, David Geffen School of Medicine
March 2005	Functional Dyspepsia; UCLA Division of Digestive Diseases Noon Conference
April 2005	Sex Determinants of Visceral Pain Including Irritable Bowel Syndrome (IBS), CURE Astra-Zeneca Lecture Series
August 2005	Abuse and GI Pain Conditions; UCLA Division of Digestive Diseases Noon Conference
September 2005	IBS Medical Therapies: Current Treatment and What's in the Pipeline? UCLA Division of Digestive Diseases GI Fellows Morning Conference
April 2006	New Data and Drugs for the treatment of Functional GI Disorders, UCLA Division of Digestive Diseases Noon Conference
July 2006	UCLA Summer Course
October 2006	Sex Differences in Irritable Bowel Syndrome, UCLA Division of Digestive Diseases Noon Conference
November 2006	Irritable bowel syndrome, Gastrointestinal, Endocrine and Reproductive Medicine II, Human Biology and Disease Curriculum, David Geffen School of Medicine
December 2006	How does one best manage patients with functional bowel disorders? Interactive case presentations. UCLA Division of Digestive Diseases Noon Conference
February 2007	Addressing the Use of Psychotropic Agents for Functional GI Disorders: Why, Which One, and How. UCLA Division of Digestive Diseases Noon Conference

March 2007	New insights in the molecular mechanisms of sex differences and stress in functional gastrointestinal disorders, UCLA Department of Grand Rounds
April 2007	Pathophysiology and Treatment of Irritable Bowel Syndrome, USC GI Grand Rounds
July 2007	Post-DDW 2008 abstract review: Functional GI Disorders. UCLA Division of Digestive Diseases Noon Conference
October 2007	Irritable bowel syndrome, Intestinal Inflammation lecture series, 2 nd year medical school curriculum, David Geffen School of Medicine
December 2007	Irritable bowel syndrome and other gastrointestinal pain disorders. 2007-2008 Pain Lecture Series, VAGLAHS Pain Management Program
December 2007	Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
March 2008	Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
August 2008	IBS Overview, GI Fellows conference, UCLA-VA-Cedars GI Fellowship Program
September 2008	Understanding sex and gender related differences in irritable bowel syndrome, GI Grand Rounds, Cedars-Sinai Medical Center
October 2008	The Smart Pill, UCLA Division of Digestive Diseases Noon Conference
October 2008	American College of Gastroenterology Women's Leadership Skills Program, Orlando, Florida
November 2008-2010	Irritable bowel syndrome, 2 nd year medical school curriculum, David Geffen School of Medicine at UCLA
January 2009	Patient case of painful constipation. Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
March 2009	Irritable Bowel Syndrome: Differences in Symptoms, Pathophysiology and Treatment in Men and Women. Columbia GI Grand Rounds
March 2009	Irritable bowel syndrome with constipation. St. Luke's and Roosevelt's GI Conference
May 2009	ACG Guidelines for Treatment of Irritable Bowel Syndrome 2009, UCLA Division of Digestives Diseases Noon Conference
October 2009	IBS with diarrhea case presentation. Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference

November 2009, 2010	Irritable bowel syndrome. 2 nd year medical school curriculum, David Geffen School of Medicine at UCLA
March 2010	Nausea and vomiting case presentation. Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
July 2010	Bile acid malabsorption and rectal prolapse. Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
August 2010	Early life trauma and stress response. CNS Translational Seminar, UCLA
November 2010	Pancreatic polypeptide tumor and refractory constipation. Functional GI and Motility case conference, UCLA Division of Digestive Diseases Noon Conference
February 2011	Irritable Bowel Syndrome: What you Need to Know for Clinical Practice
March 2011	IBS Case Conference, UCLA Division of Digestive Diseases Noon Conference
July 2011	How to Write a Scientific Paper, UCLA CTSI Educational Program
July 2011	Functional Dyspepsia case conference, UCLA Division of Digestive Diseases Noon Conference
November 2011	Bloating and gas case conference, UCLA Division of Digestive Diseases Noon Conference
July 2014	Grant writing course, UCLA-CTRW 2014 Clinical & Translational Research Workshop: Grant & Clinical Protocol Development

Mentoring/Training:

Max Schmulson, M.D.	visiting scientist	1997-1999
Oh Young Lee, M.D.	visiting scientist	1997-1999
Miyoshi Hirano	pre-medical student	1999-2007
Kerstin Huebel	medical student	1999
Birgit Adam	medical student	1999
Tobias Liebrechts	medical student	1999
Britta Dickhaus, M.D.	visiting scientist	2000-2002
Joel Sach, M.D.	GI fellow	2001-2004
Kirsten Tillisch, M.D.	GI fellow/clinical instructor	2002-2005
Steven Tan, M.D.	Post-doc fellow	2002-2004
Heng Wong, M.D.	visiting scientist	2003-2004
Mark Michalski	pre-medical student	2002-2003
Paul Dunckley, M.D., Ph.D.	GI research fellow	2002-2005
Caroline Hwang	medical student	2004
Violette Gray, M.D.	Kenamer general medicine fellow	2004-2005

Elizabeth Videlock, M.D.*	medical student, GI fellow	2006-2009, 2013-2016
Amy Strickland, M.D.	medical resident	2006-2007
Mopelola Adeyemo, MS	graduate student, medical student	2006-2009, 2014
Trinh Truong, M.D.	GI fellow	2007-2009
Eddie Garcia	pre-medical student	2009
Neel Mann, M.D.	GI fellow	2008-2009
Sarah Khan, M.D.	medical resident	2009-2010
Lynn Connelly, M.D.,MSCR	GI fellow	2010-2012
Kara Bradford, M.D.	medical resident	2010-2011
Sharon Kim, M.D.	medical resident	2010-2012
Miriam Goebel, M.D.	medical resident	2010-2012
Paul Cheng	medical student	2011-2012
Laleh Boroujerdi, M.D.	medical resident	2011-2012
Andrew Su	medical student	2012
Malin Gadd, M.D.	visiting scientist	2012-2013
Alexa Orand**	medical student	2013-2016
Wendy Shih, MS	graduate student	2011-2016
Aaron Lee, M.D.	medical resident	2013-2016
Swapna Joshi, PhD	Post-doc fellow/Project Scientist	2013-present
Sarah Park, M.D.	medical student/resident	2014-2017
Guy Weiss, M.D.	GI fellow	2014-2016
Vien Nguyen	medical student	2015-2016
Rusha Modi, M.D. MPH	GI fellow	2016-present
Shahzad Ahmed, M.D.	Nutrition fellow	2016- 2017
Raymond Addante, M.D.	medical resident	2016- 2017
Rachel Wong	undergraduate student	2016-2017
Emily Huang	undergraduate student	2016- present
Marissa Holden	medical student	2017-present
Tiffany Ju, B.A.	Post-graduate	2017-present
Colleen Parker, M.D.	Post-doc visiting scientist	2017-present
Janice Bitong, M.D.*	Pediatric GI fellow	2016-present#
Kim Trieschmann, M.D.	Pediatric GI fellow	2017-present
Karen O'Laco**	medical student	2018-present
Charlene Choo	medical student	2018-present

* T32 training grant award

**Internal Medicine Chief's Summer Fellowship Award

#Scientific Oversight Committee

LECTURES AND PRESENTATIONS:

1990-1995

1. The effect of activated inflammatory cells on colonic smooth muscle contraction. Workshop on the Immunomodulation of Motility, Montecito, California, March, 1990.
2. Effect of bethanechol and vasoactive intestinal peptide on the early production of inositol 1,4,5-trisphosphate in intact smooth muscle. American Motility Society Symposium, Newport, Rhode Island, October, 1990.

3. Comparison of endobiliary biopsy, brush and aspiration cytology performed during ERCP in the diagnosis of biliary obstruction. American College of Gastroenterology, Miami Beach, Florida, October, 1992.
4. Acid peptic disorders. Department of Medicine Conference, Downey Community Hospital, Downey, California, November, 1994.
5. Management of diabetic gastroparesis. City of Hope Endocrinology Conference, Downey, California, May, 1995.
6. A prospective randomized trial assessing the timing and cost of ERCP in gallstone pancreatitis. American College of Gastroenterology, New York, New York, October, 1995.

1996

7. H. Pylori: To treat or not to treat. Visiting Professor Lecture, St. Francis Medical Center, Lynwood, California, February, 1996.
8. A prospective randomized trial of mild-moderate gallstone pancreatitis: Clinical outcome and cost of selective preoperative vs. postoperative ERCP. ASGE meeting, San Francisco, California, May, 1996.
9. Inflammatory and functional intestinal disorders differ in their response to acute visceral pain. CURE Clinical GI Research Meeting, West Los Angeles, California, October, 1996.

1997

10. Anorectal motility disorders. UCLA Affiliated Training Program in GI Lecture Series, Westwood, California, January, 1997.
11. The role of ERCP in gallstone pancreatitis. 4th International Symposium on Pancreatic and Biliary Endoscopy, Anaheim, California, January, 1997.
12. Inflammatory and functional intestinal disorders differ in their response to acute visceral pain. Western Society for Clinical Investigation, Carmel, California, February, 1997.
13. Alterations in the brain-gut axis in irritable bowel syndrome. Dallas VA Medical Center GI Conference, Dallas, Texas, February, 1997.
14. Functional gastrointestinal disease and fibromyalgia. Functional Gastrointestinal Disorders: Defining Cost and Outcomes, Kona, Hawaii, October, 1997.

1998

15. Pain perception. 9th Annual GIRG Research Retreat, University of Calgary, Banff, Canada, January, 1998.
16. The association of irritable bowel syndrome and fibromyalgia. American Fibromyalgia Foundation Annual Conference 1998, Newport Beach, California, February, 1998.

17. Differences in left prefrontal activation to visceral and somatic stimuli assessed by O¹⁵-water PET in female patients with irritable bowel syndrome (IBS) and fibromyalgia. American Gastroenterological Association Meeting, New Orleans, Louisiana, May, 1998.
18. Gastrointestinal infection, inflammatory bowel disease, and irritable bowel syndrome. California Internal Medicine Board Review Course Cosponsored by the American College of Physicians and the UCLA Department of Medicine, Universal City, California, July, 1998.
19. CNS responses to visceral pain in patients with inflammatory bowel disease. 4th International Symposium on Brain-Gut Interactions, San Diego, California, July, 1998.
20. Controversies in functional bowel disease and motility disorders. Southern California Society of Gastroenterology 21st Post-AGA-DDW Weekend Review, Palm Springs, California, July, 1998.

1999

21. The emotional brain-implications for diagnosis and therapy. 3rd International Symposium on Functional Gastrointestinal Disorders, Milwaukee, WI, April, 1999.
22. Irritable bowel syndrome: visceral hyperalgesia. DDW Symposium: Women's health in gastroenterology. American Gastroenterological Association, Digestive Diseases Week, Orlando, FL, May, 1999.
23. Neuroendocrine Parameters in functional GI Disorders. Functional Dyspepsia Mechanisms and Experimental Models, Astra Hässle, Mölndal, Sweden, June, 1999.
24. Controversies in irritable/functional bowel disease. Southern California Society of Gastroenterology 22nd Post-AGA-DDW Weekend Review, Carlsbad, CA, July, 1999.
25. Irritable bowel syndrome. American Fibromyalgia Foundation, Inc.'s support group meeting, Hoag Memorial Hospital, Newport Beach, CA, July, 1999.
26. The Cause of IBS. Breakthrough in Patient Care for Irritable Bowel Syndrome, American Academy of Family Physicians Scientific Assembly, Orlando, FL, September, 1999.
27. Extraintestinal symptoms. Workshop on the Pathophysiology and Treatment of Functional Gastrointestinal Disorders, Key Biscayne, FL, October, 1999.
28. Altered neuroendocrine response. Workshop on the Pathophysiology and Treatment of Functional Gastrointestinal Disorders, Key Biscayne, FL, October, 1999.
29. Perceptual and CNS responses to visceral pain in patients with inflammatory bowel disease. Society of Neuroscience 29th Annual Meeting, Miami, FL, October, 1999.
30. Motility disorders of the lower gastrointestinal tract: from basic science to therapy. European Postgraduate Gastro-surgical School, Amsterdam, December, 1999.

2000

31. Irritable Bowel Syndrome. California Academy of Family Physicians, 52nd Annual Scientific Assembly, San Francisco, CA, February, 2000.
32. Pathophysiology of IBS. IBS: Advances in the New Millenium, Inova Fairfax Hospital, Physicians Conference Center, Falls Church, VA, April, 2000.
33. Clinical Perspectives and the role of gender. DDW Symposium: Visceral Sensitivity: Basic Advances and Novel Therapies, San Diego, May, 2000.
34. Progress in the treatment of IBS – role of 5-HT₃ antagonists. DDW Satellite Symposium: Visceral Hypersensitivity and Irritable Bowel Syndrome, San Diego, May, 2000.
35. Differences in cortical activation to visceral and somatic stimuli assessed by H₂ ¹⁵O PET in female patients with irritable bowel syndrome (IBS) and fibromyalgia. Brain-Gut 2000, Toulouse, France, July 2000.
36. IBS clinical overview. Western Region Managed Care Advisory Board, Santa Barbara, California, September 2000.
37. Management of Irritable Bowel Syndrome (IBS). 2000 Post Graduate Assembly, Santa Monica, California, September 2000.
38. Serotonergically Active Agents: New Drugs for an Old Disorder. Symposium – Treatment of Irritable Bowel Syndrome, American College of Gastroenterology meeting, New York, October 2000.
39. Visceral Hyperalgesia: Implications on the Management of IBS. Postgraduate Course, National Weekend of Gastroenterology, Mazatlán, Mexico, December 2000.

2001

40. Gender Differences in the Physiologic Responses in Irritable Bowel Syndrome. University of North Carolina Functional Bowel Disease Center Meeting, Chapel Hill, North Carolina, January 2001.
41. The Emotional Brain. Canadian Digestive Diseases Week, Banff, Canada, February 2001.
42. Irritable Bowel Syndrome. Iris Cantor Center Medical Conference, UCLA, February 2001.
43. Brain-Gut Axis. 4th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, Wisconsin, March-April 2001.
44. Gender Differences in IBS. 4th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, Wisconsin, March-April 2001.
45. A Comprehensive Disease Model of IBS. Gastroenterology Conference, Visiting Professor's Program, Mayo Clinic, Rochester, MN, April 2001.
46. Pharmacotherapy of IBS. Postgraduate Course, American Gastroenterological Association, Atlanta, GA, May 2001.

47. Irritable Bowel Syndrome. Family Practice Department Educational Conference, Kaiser Permanente, Baldwin Park, CA, June 2001.
48. Irritable Bowel Syndrome. UCLA Women's Health Initiative Lecture Series. UCLA, July 2001.
49. The Brain-Gut Axis - New Pathways to Understanding Functional Disorders, Update in Gastroenterology, Hepatology & Nutrition, Columbia and Cornell GI Course, New York, November 2001.

2002

50. Gender Differences in Visceral Perception. The Haynang University-UCLA Joint Symposium on Gut-Brain Interactions, Seoul, Korea, March 2002.
51. The Neurobiology of Stress and Gastrointestinal Disorders. The Haynang University-UCLA Joint Symposium on Gut-Brain Interactions, Seoul, Korea, March 2002.
52. Extraintestinal Manifestations of IBS. American Gastroenterological Association meeting, San Francisco, California, May 2002.
53. Gender Differences in GI Disorders. Meet the Professor luncheon, American Gastroenterological Association meeting, San Francisco, California, May 2002.
54. Measurement and Assessment: Imaging. NIAMS Fibromyalgia Program Assessment, Airlie Conference Center, Warrenton, Virginia, September 2002.
55. Extraintestinal and psychiatric manifestations of IBS: What is the link? Falk symposium No.130, Freiburg, Germany, October 2002.
56. New Treatment Frontiers for Irritable Bowel Syndrome. American college of Osteopathic Family Physicians California, Anaheim, California, October 2002.

2003

57. Advances the diagnosis and treatment of IBS. Women's Healthcare Forum, Anaheim, California, March 2003.
58. Gender and sociocultural differences in functional GI disorders. International Functional Gastrointestinal Disorders meeting, Milwaukee, Wisconsin, April 2003.
59. Brain-Gut Axis workshop. International Functional Gastrointestinal Disorders meeting, Milwaukee, Wisconsin, April 2003.
60. University-based practice. First Annual Functional Brain Gut Research Group's GI Motility Disorders Young Investigators' Forum, Phoenix, Arizona, May 2003.
61. Focused clinical updates in functional lower GI disorders. Digestive Diseases Week, Orlando, Florida, May 2003.

62. Safety and appropriate use of alosetron in clinical practice. Translating Science into Clinical Outcomes: New Paradigms in the Management of the IBS Patient. Digestive Diseases Week, Orlando, Florida, May 2003.
 63. Diagnosis of IBS. State of the Art Lecture, Digestive Diseases Week, Orlando, Florida, May 2003.
 64. Mechanisms of visceral hypersensitivity. CME educational symposium, Digestive Diseases Week, Orlando, Florida, May 2003.
 65. Controversies in Functional Bowel Disorders. Post-DDW Meeting, Southern California Gastroenterology Society, La Costa, California, July 2003.
 66. Conquering the Challenges of Treating the Diarrhea Predominant IBS Patient, teleconference series, April-September 2003 (served as Chair)
 67. The pathophysiology of IBS as a basis of understanding symptom presentation, Pri-Med CME Symposium, Philadelphia, Pennsylvania, September 2003.
 68. Irritable bowel syndrome- top three DDW heavyweights. Gastro-Hep Impact 2003 "Improving Medical Practice through Advanced Clinical Therapeutics," Chicago, Illinois, September 2003.
 69. How I manage the IBS patient with constipation. Gastro-Hep Impact 2003 "Improving Medical Practice through Advanced Clinical Therapeutics," Chicago, Illinois, September 2003.
 70. The pathophysiology of IBS, and common co-morbidities, as a basis of understanding symptoms, Functional Disorders in the Lower GI Tract: Mechanisms, Meaning and Clinical Management. Program for American Academy of Family Physicians, New Orleans, Louisiana, October 2003.
 71. New development in the safety and clinical use of alosetron. Coping with the Complexities of IBS: Practical Aspects of Patient Management, CME educational symposium, American College of Gastroenterology meeting, Baltimore, Maryland, October 2003 (served as Chair).
 72. The role of serotonin as a central mediator in IBS symptom complexes. The Challenges of Irritable Bowel Syndrome in Clinical Practice: From Science to Solutions, CME educational symposium, American College of Gastroenterology meeting, Baltimore, Maryland, October 2003.
 73. New pathophysiological concepts and treatment options in IBS. Current Diagnosis and Management of Gastrointestinal Motility Disorders, Boston, MA, November 2003.
- 2004**
74. Emerging concepts and novel treatments for irritable bowel syndrome, New York Gastroenterological Association, New York, January 2004.

75. IBS with constipation: diagnosing and managing the multiple symptom complex. Constipation: chronic disorder or irritable bowel? Symptom-defined strategies for continuing challenges, Pri-Med Update Meeting, La Jolla, California, March 2004.
76. Emerging concepts and novel treatments for irritable bowel syndrome, Women's Healthcare Forum, Anaheim, March 2004.
77. Differences in brain responses to rectal distension between patients with inflammatory and functional GI disorders. CURE Annual Research Meeting, Los Angeles, March 2004.
78. Epidemiology and quality of life functional gastrointestinal disorders. Novartis GI: Advancing the Science Global Summit, Hollywood, Florida, April 2004.
79. Stirring up the sluggish colon. My approach to the constipated IBS patient. Gastro-Hep Impact 2004: "Improving Medical Practice by Advancing Clinical Therapeutics." New York, April 2004.
80. University-based practice. Second Annual Functional Brain Gut Research Group's GI Motility Disorders Young Investigators' Forum, Scottsdale, Arizona, April 2004.
81. Differences in brain responses to rectal distension between patients with inflammatory and functional GI disorders, American Gastroenterological Association meeting, New Orleans, Louisiana, May 2004.
82. Evidence for an antihyperalgesic effect of exogenous corticotropin releasing factor (CRF) in irritable bowel syndrome (IBS). American Gastroenterological Association meeting, New Orleans, Louisiana, May 2004.
83. Novel therapeutics for functional dyspepsia and irritable bowel syndrome. 2004 American Gastroenterological Association Spring Postgraduate Course, New Orleans, Louisiana, May 2004.
84. Differential diagnosis of IBS: symptom presentation and diagnostic; improving treatment success: individualizing gastrointestinal disease management. Digestive Diseases Week satellite symposium, American Gastroenterological Association meeting, New Orleans, Louisiana, May 2004.
85. New treatment options in irritable bowel syndrome in men and women. The future of irritable bowel syndrome management in men and women. Digestive Diseases Week satellite symposium, American Gastroenterological Association meeting, New Orleans, Louisiana, May 2004.
86. Diagnostics and treatment of irritable bowel syndrome. A State of the Art Update in Clinical GI Problems, University of Manitoba, Winnipeg, Canada, June 2004.
87. Bowel disorders: differential diagnosis and new therapeutic strategies. The 12th Annual Congress on Women's Health, Hilton Head, South Carolina, June 2004.

88. IBS and gender. Symposium for Patients and Non-Health Care Professionals. "Understanding IBS and Other Functional Gastrointestinal Disorders." Raleigh-Durham, North Carolina, June 2004.
89. New Advances in the Treatment of IBS. 48th Annual Postgraduate Symposium, Family Medicine Update 2004. San Diego, California, June 2004.
90. Clinical Minicourse Interactive Session (IBS, colon, pediatrics). American Motility Society meeting, Rochester, Minnesota, September 2004.
91. Optimizing the management of IBS/Chronic Constipation. Gastro-Hep Impact 2004: "Improving Medical Practice by Advancing Clinical Therapeutics." Chicago, October 2004.
92. Medical Crossfire Live ACG Program: Irritable Bowel Syndrome: Evolving Perspectives and Treatment Strategies. American College of Gastroenterology meeting, Orlando, Florida, October-November 2004.
93. Cases challenges in functional bowel disease: what to do when the usual stuff fails. Irritable bowel syndrome - should we target the brain, gut or both? American College of Gastroenterology meeting, Orlando, Florida, October-November 2004.

2005

94. What's new in the pathophysiology of IBS? First Annual IBS Symposium, University of Washington, Seattle, Washington, January 2005.
95. Hot New Medical Therapies. First Annual IBS Symposium, University of Washington, Seattle, Washington, January 2005.
96. Update on IBS and Constipation. Women's Health Group, Santa Monica, California, February 2005.
97. Functional Dyspepsia. Visiting Professor program, FDA GI Medical Team, Rockville, Maryland, February 2005.
98. Pathophysiology of IBS. Mayo Clinic Scottsdale Winter Gastroenterology Meeting Linked to Endoscopy and Hepatology, March 2005.
99. How to Make the Most of Your Mentoring Partnership. Third Annual Functional Brain Gut Research Group's GI Motility Disorders Young Investigators' Forum, Del Mar, California, March 2005.
100. Other Causes for Pelvic Pain in Women: From Irritable Bowel Syndrome (IBS) to Fibromyalgia, and Interstitial Cystitis. Women's Sexual Health State-of-the-Art Series, Beverly Hills, California, April 2005.
101. Sex Determinants of Visceral Pain with a Focus on Irritable Bowel Syndrome. BIRCWH Scholars Conference on Sex Determinants of Pain, London, April 2005.

102. How I manage the IBS patient with constipation. Gastro-Hep Impact 2005 “Improving Medical Practice through Advanced Clinical Therapeutics,” Chicago, Illinois, April 2005.
103. Communication Skills Mini-Symposium: Methodological Approach to Studying the Gastroenterological-Patient Relationship, International Foundation of Functional Gastrointestinal Disorders meeting, Milwaukee, Wisconsin, April 2005.
104. Update on Diagnosis and Treatment of IBS, Gut Club, Mobile, Alabama, April 2005
105. Irritable bowel syndrome, fibromyalgia and other overlapping conditions, GI Grand Rounds, Visiting professor program, University of South Alabama, Mobile, Alabama, April 2005.
106. Diagnosing and Managing Women with Irritable Bowel Syndrome. 5th Annual North American Women’s Healthcare Forum, Anaheim, May 2005.
107. Emerging Therapies: What does the future hold? Controversies in the Management of IBS Clinical Practice symposium, American Gastroenterological Association meeting, Chicago, May 2005.
108. Diagnosis and Treatment of IBS. Managing IBS: Optimizing Patient Selection and Clinical Outcomes, Digestive Diseases Week satellite symposium (Chair), American Gastroenterological Association meeting, Chicago, May 2005.
109. Pathophysiology of IBS. Meet the Professor luncheon, American Gastroenterological Association meeting, Chicago, May 2005.
110. IBS with constipation: diagnosing and managing the multiple symptom complex. Constipation: chronic disorder or irritable bowel? Symptom-defined strategies for continuing challenges, Pri-Med CME Symposium, Sacramento, California, May 2005.
111. Cross-system interactions from the GI perspective (Irritable Bowel Syndrome), Pelvic Pain Syndrome(s) in Women: New Insights into Pathophysiology, Center for Neurovisceral Sciences and Women’s Health at UCLA, Los Angeles, California, June 2005.
112. How I manage the IBS patient with constipation. Gastro-Hep Impact 2005 “Improving Medical Practice through Advanced Clinical Therapeutics,” Los Angeles, California, June 2005
113. IBS with constipation: diagnosing and managing the multiple symptom complex. Constipation: chronic disorder or irritable bowel? Symptom-defined strategies for continuing challenges, Pri-Med CME Symposium, San Jose, California, June 2005.
114. Brain processing of gastrointestinal sensorimotor function. 20th International Symposium on Neurogastroenterology and Motility, Toulouse, France, July 2005.
115. Controversies in Functional Bowel Disorders. Post-DDW Meeting, Southern California Gastroenterology Society, La Costa, California, July 2005.
116. Visceral pain and abuse. IASP Satellite Symposium on Visceral Pain, Adelaide, Australia, August 2005.

117. Pathophysiology of Chronic Constipation and Irritable Bowel Syndrome. Chronic Constipation and Irritable Bowel Syndrome: Helping Patients Move from Intestinal Distress to Intestinal Success! Roundtable Discussion, Montreal, Canada, September 2005.
118. Overview of IBS: New Concepts and Treatment Options. Frontiers in Gastroenterology and Hepatology, Case Western GI Grand Rounds Program, Cleveland, Ohio, September 2005.
119. IBS with constipation: diagnosing and managing the multiple symptom complex. Constipation: chronic disorder or irritable bowel? Symptom-defined strategies for continuing challenges, Pri-Med CME Symposium, Pasadena, California, September 2005.
120. Gender Differences in Irritable bowel syndrome. A Day in the Gut symposium-North Shore University Hospital in Manhasset, Long Island, New York, October 2005.
121. Tegaserod – the reality of clinical practice. Dysmotility and sensory symptoms – understanding and treating IBS-C, United European Gastroenterology Week 2005 (UEGW), Copenhagen, Denmark, October 2005.
122. Brain-gut pathways in FGIDs. NASPGHAN Postgraduate Course, Salt Lake City, Utah, October 2005.
123. IBS with constipation: diagnosing and managing the multiple symptom complex. Constipation: chronic disorder or irritable bowel? Symptom-defined strategies for continuing challenges, Pri-Med CME Symposium, Los Angeles, California, November 2005.
124. Future of Functional GI Disorders. National Week of Gastroenterology Congress, Mexico City, November 2005.
125. Treatment of IBS. National Week of Gastroenterology Congress, Mexico City, November 2005.
126. Gender Differences in IBS. Keynote presentation, National Week of Gastroenterology Congress, Mexico City, November 2005.
127. Chronic constipation: primary care approaches to a common patient concern, Pri-Med CME symposium, Sacramento, California, December 2005.
128. Current and Future Treatment Options. Conquering Chronic Constipation: Exploring Pathophysiology and Treatment Options, AGA Clinical Congress satellite symposium, Hollywood, Florida, December 2005.
129. Emerging Medical Treatments for IBS, Bench to Bedside in IBS. AGA Winter Clinical Congress, Hollywood, Florida, December 2005.

2006

130. HPA axis dysregulation in functional disorders. Center for Neurovisceral Sciences and Women's Health 3rd Annual Basic and Translational Science Symposium, Los Angeles, California, January 2006.

131. Traditional and Novel Treatment of FGID in Adults. Diagnosis and Management of Functional GI Disorders: From Child to Adult, Center for Neurovisceral Sciences and Women's Health 3rd Annual Clinical Symposium, Los Angeles, California, January 2006.
132. How I manage the IBS patient with constipation. Gastro-Hep Impact 2006 "Improving Medical Practice through Advanced Clinical Therapeutics," Phoenix, Arizona, January 2006.
133. Irritable bowel syndrome: pathophysiology and treatment. Functional Bowel Disorders session, American Motility Society course on Gastrointestinal Motility in Clinical Practice, San Diego, California, February 2006.
134. A status report: complementary and alternative medicine. GI Motility and Functional Bowel Disorders Focus Areas, American Motility Society course on Gastrointestinal Motility in Clinical Practice, San Diego, California, February 2006.
135. How I manage the IBS patient with constipation. Gastro-Hep Impact 2006 "Improving Medical Practice through Advanced Clinical Therapeutics," Beverly Hills, California, February 2006.
136. Irritable bowel syndrome: neurobiologic alterations and their overlap with other chronic pain syndromes. Frontiers of GI Research Conference, visiting professor program, University of Illinois at Chicago, Illinois, February 2006.
137. Chronic Constipation: Piecing Together the Puzzle in Primary Care, Pri-Med meeting, Seattle, Washington, March 2006; Durham, North Carolina, March 2006; Anaheim, California, April 2006; Dallas, Texas, April 2006; San Jose, California, November 2006.
138. Focusing on the Patient: Clinical challenges in motility and sensory disorders, Primed meeting, Los Angeles, California, March 2006; Chicago, Illinois, May 2006; Seattle, Washington, September 2006.
139. Neurobiologic alterations of IBS and the overlap with other chronic pain syndromes. GI Research Conference, The Johns Hopkins Hospital, Baltimore, Maryland, March 2006.
140. Stress and the single woman. Clinical Conundrums in Gastroenterology, Foundation for Better Healthcare, Atlanta and Los Angeles, April 2006.
141. Chronic Constipation: An Age-old Problem with New Solutions, American Geriatric Society annual scientific meeting adjunct symposium, Chicago, Illinois, May 2006.
142. Is There a Relationship Between IBS and Colonic Ischemia? Controversies in IBS. Clinical Practice symposium, American Gastroenterological Association meeting, Los Angeles, California, May 2006.
143. Managing the Patient with Severe Functional Bowel Disease. Digestive Diseases Week Meet-the-Professor luncheon, American Gastroenterological Association meeting, Los Angeles, California, May 2006.

144. IBS-C: Where are we going? Fast Track Solutions to GI Motility and Sensory Disorders. Digestive Diseases Week satellite symposium, American Gastroenterological Association meeting, Los Angeles, California, May 2006.
145. Exploring the Mechanism of Action of Therapeutic Modalities for Chronic Constipation. Chronic Constipation: Translating Novel Mechanisms of Action into Innovative Therapeutic Interventions. Digestive Diseases Week satellite symposium, American Gastroenterological Association meeting, Los Angeles, California, May 2006.
146. Evidence-Based Presentation 2: Evaluating Current and Novel Treatment Modalities for Chronic Idiopathic Constipation. Raising the Bar in the Management of Chronic Idiopathic Constipation (serving as moderator), satellite symposium, American Association of Physician Assistants meeting, San Francisco, California, May 2006.
147. Novel Mechanisms Paving the Way to Relief in Chronic Constipation. CME dinner programs, Los Angeles, June 2006, San Francisco, June 2006 and Anaheim September 2006.
148. Does the HPA Axis have a Role in Modulating Visceral Hypersensitivity? AGA/BSG Joint Symposium, Cambridge, UK, September 2006.
149. The Mechanism Behind the Treatment. New Mechanisms and Novel Concepts in Chronic Constipation, American Motility Society Joint International meeting, Boston, MA, September 2006 (Chair).
150. Deal A Winning Hand: Expert Advice on Chronic Constipation. American College of Gastroenterology meeting symposium, Las Vegas, Nevada, October 2006.
151. IBS-C and CC: A therapeutic continuum? Overlapping GI motility and sensory disorders: An integrated approach, American College of Gastroenterology meeting symposium, Las Vegas, Nevada, October 2006.
152. Irritable bowel syndrome: Diagnosis is the Key, Perspectives in Women's Health, Women's Health Congress, San Francisco, November 2006.
153. Treatment of Irritable Bowel Syndrome, Gastroenterology Pan-American Congress, Cancun, Mexico, November 2006.
154. Evaluating Current and Novel Treatment Modalities for Chronic Idiopathic Constipation, Gastroenterology-Hepatology Impact meeting, San Francisco, November 2006.

2007

155. Dysregulation of the hypothalamic-pituitary-adrenal (HPA) axis and its association with symptoms in irritable bowel syndrome and fibromyalgia. American Psychosomatic Society meeting, Budapest, Hungary, March 2007.
156. Diagnosis and treatment of patients with functional somatic syndromes. "Best practice" breakfast symposium, American Psychosomatic Society meeting, Budapest, Hungary, March 2007.

157. Peripheral measures of stress response in irritable bowel syndrome (IBS). Annual CURE Scientific meeting, Los Angeles, March 2007.
158. Brain-Gut Axis/Genetics. Plenary session, 7th Annual International Foundation of Functional Gastrointestinal Disorders (IFFGD) Symposium. Milwaukee, Wisconsin, April 2007.
159. Gender, Age, Society, Culture, and Patient's Perspective in Functional GI Disorders workshop. 7th Annual International Foundation of Functional Gastrointestinal Disorders (IFFGD) Symposium. Milwaukee, Wisconsin, April 2007.
160. Neurobiologic Alterations in IBS and Other Chronic Pain Syndromes. GI Visiting Professor Program, University of Chicago, Chicago, May 2007.
161. Focused Clinical Updates: Irritable bowel syndrome. Digestive Diseases Week, American Gastroenterological Association meeting, Washington, D.C., May 2007.
162. Neurobiologic alterations in irritable bowel syndrome and fibromyalgia, IBS and Co-morbid somatic conditions symposium. Digestive Diseases Week, American Gastroenterological Association meeting, Washington, D.C., May 2007.
163. No. It is in the brain! Functional brain imaging in functional GI disorders. Third International Symposium on Pediatric Gastroenterology, Hepatology, and Nutrition. Montreal, Canada, June 2007.
164. Controversies in Gastrointestinal & Liver Diseases: Functional GI Disorders. Southern California Society of Gastroenterology, San Diego, July 2007.
165. Gender differences in irritable bowel syndrome. Pregraduate Course, Congreso Argentino de Gastroenterología Y Endoscopia Digestiva, Mendoza, Argentina, August 2007.
166. Brain-gut dysregulation in irritable bowel syndrome, Congreso Argentino de Gastroenterología Y Endoscopia Digestiva, Mendoza, Argentina, August 2007.
167. Emerging treatments for functional gastrointestinal disorders, Congreso Argentino de Gastroenterología Y Endoscopia Digestiva, Mendoza, Argentina, August 2007.
168. Neuroendocrine Alterations of the Central Stress Response in Irritable Bowel Syndrome. GI Division Research Conference, Mayo Clinic visiting professor program, Rochester, MN, September 2007.

2008

169. HPA Axis and Brain Imaging. IGA/AGA meeting, Tel Aviv, Israel, February 2008.
170. How to Prepare and Deliver a Presentation. IGA/AGA meeting, Tel Aviv, Israel, February 2008.
171. Newer Agents for the Gut. IGA/AGA meeting, Tel Aviv, Israel, February 2008.

172. Pathophysiology and Drug Targets for IBS. GI conference, Hassadah Hospital, Jerusalem, Israel, February 2008.
173. Irritable Bowel Syndrome. Gastroenterology and Hepatology Linked to Endoscopy: Mayo Clinic's 6th Annual Winter Course in Scottsdale, Scottsdale, AZ, February 2008.
174. Evidence Based Therapy for IBS. Canadian Digestive Diseases Week and the Fourth Annual CASL Winter Meeting, Montreal, Canada, February-March 2008.
175. Difficult Cases of Irritable Bowel Syndrome - My Tricks. Canadian Digestive Diseases Week and the Fourth Annual CASL Winter Meeting, Montreal, Canada, February-March 2008.
176. How to make the most out of your mentoring relationship. Functional Brain-Gut Group Young Investigators Conference, San Diego, California, April 2008.
177. Chronic Constipation and Colonic Pseudo-Obstruction. AGA Postgraduate Course, Clinical Challenges, Digestive Diseases Week, San Diego, California, May 2008.
178. The Brain-Gut Interaction: Do SSRIs and TCAs Improve IBS Symptoms? Controversies in IBS symposium, AGA Digestive Diseases Week, San Diego, California, May 2008.
179. Narcotic Bowel Syndrome. AGA Digestive Diseases Week, San Diego, California, May 2008.
180. Emerging therapies in FGID. Meet-the-Professor luncheon, AGA Digestive Diseases Week, San Diego, California, May 2008.
181. Impact of IBS. Satellite symposium, AGA Digestive Diseases Week, San Diego, California, May 2008.
182. IBS: A Diagnosis of Exclusion? Satellite symposium, AGA Digestive Diseases Week, San Diego, California, May 2008.
183. Central dysregulations in irritable bowel syndrome: HPA axis and brain imaging. Stress and Gastrointestinal Illness. American Behavioral Medicine Research meeting, Lake Louise, Canada, June 2008.
184. Sex differences in visceral pain in irritable bowel syndrome, NIH Women's Health Sciences Seminar, Bethesda, Maryland, July 2008.
185. Sorting Through the Complexities of Irritable Bowel Disease: Advances in Patient Evaluation and Treatment Modalities. Impact, Los Angeles, California, September 2008.
186. Mechanisms and Treatment of Chronic Functional Abdominal Pain, Post-graduate Course, American College of Gastroenterology meeting, Orlando, Florida, October 2008.
187. Defining symptoms and severity in functional GI disorders. Joint Neurogastroenterology and Motility meeting, Lucerne, Switzerland, November 2008.

188. The Management of Constipation – Did We Overcome the Blockage at Last? University of Arizona GI Motility Conference, Phoenix, Arizona, November 2008.

2009

189. Women's Health Issues in GI. AGA Clinical Congress, Las Vegas, Nevada, January 2009.
190. Managing Slow Transit Constipation and Dyssynergic Defecation. AGA Clinical Congress, Las Vegas, Nevada, January 2009.
191. New Insights into the Pathophysiology of Irritable Bowel Syndrome: Implications for Future Treatments. Miami CME Winter Series, GI Update 2009, Miami, Florida, February 2009.
192. Management of IBS: the Evidence and the Experience. Miami CME Winter Series, GI Update 2009, Miami, Florida, February 2009.
193. Do I Ever Use Antibiotics for IBS? Miami CME Winter Series, GI Update 2009, Miami, Florida, February 2009.
194. Nausea and vomiting: old and new therapies. ACG Western Postgraduate CME Course in Las Vegas, Nevada, March 2009.
195. Biomarkers. 8th International Symposium on Functional GI Disorders, Milwaukee, Wisconsin, April 2009.
196. Challenging Cases at the Referral Centers. 8th International Symposium on Functional GI Disorders, Milwaukee, Wisconsin, April 2009.
197. *Gender, Age, Society and the Patient*. 8th International Symposium on Functional GI Disorders, Milwaukee, Wisconsin, April 2009.
198. Review of CC and IBS. Go Beyond Expectations: Successful GI Outcomes Through Improved Clinician-Patient Partnerships. American College of Physicians, Philadelphia, PA, April 2009.
199. How to talk to your doctor- you are not alone. Overlapping Disorders symposium, International Foundation for Functional GI Disorders and TMJ Association, Milwaukee, WI, April 2009.
200. Tailoring Treatment of IBS. Digestive Disease Week Postgraduate Course, American Gastroenterological Association, Chicago, Illinois, May 2009.
201. The Future of IBS Therapy. Digestive Disease Week symposium, American Gastroenterological Association, Chicago, Illinois, May 2009.
202. Women's Health Issues in IBS. GI Health Foundation IBS Initiative, Chicago, Illinois, May 2009.
203. Sex differences in FGID. Joint Neurogastroenterology and Motility meeting, Chicago, Illinois, August 2009.

204. Pathophysiology of IBS. International Pelvic Pain Society meeting, Phoenix, AZ, October 2009.
205. Has our understanding of the pathophysiology of IBS improved its treatment? American College of Gastroenterology Postgraduate Course, San Diego, California, October 2009.

2010

206. Diagnosis of IBS: Biomarker or Symptom-based Criteria? AGA Clinical Congress, Las Vegas, Nevada, January 2010.
207. HPA Axis and Colonic Mucosal Changes in IBS. Center for Neurobiology of Stress Basic and Translational Science Symposium, Los Angeles, February 2010.
208. Clinical Presentation and Approach: But What if It is Not Lactose Intolerance? NIH Consensus Development Conference: Lactose Intolerance and Health, Bethesda, Maryland, February 2010.
209. Stress and HPA axis alterations in irritable bowel syndrome. 2010 Annual CURE Research Meeting, David Geffen School of Medicine at UCLA, Los Angeles, California, April 2010.
210. Irritable bowel syndrome: What you need to know in clinical practice. Pacific Northwest Gastroenterology Society (PNWGS) meeting, Seattle, Washington, April 2010.
211. Role of stress and HPA axis in irritable bowel syndrome, Frontiers in Gastroenterology, University of Washington CME Accredited Series, Seattle, Washington, April 2010.
212. What actually helps in managing IBS? Postgraduate Course, Digestive Diseases Week, New Orleans, LA, May 2010.
213. Clinical challenge session: Healing the complicated functional bowel disease patient. Postgraduate Course, Digestive Diseases Week, New Orleans, LA, May 2010.
214. Major Advances in IBS. Presidential Plenary, Digestive Diseases Week, New Orleans, LA, May 2010.
215. Lack of Correlation Between IBS Symptoms and Cytokine Markers of Inflammation in IBS Biopsies and Circulation, Translational Research symposium, Neurogastroenterology and Motility section, Digestive Diseases Week, New Orleans, LA, May 2010.
216. Beyond Fiber - Treatment of C-IBS with SSRIs, Lubiprostone, Osmotic Laxatives, and New Agents, Clinical Practice symposium, Digestive Diseases Week, New Orleans, LA, May 2010.
217. Impact of Pain Attacks on Behavior and Health-Related Outcomes in Patients with Irritable Bowel Syndrome Meeting Rome III Criteria. Digestive Diseases Week, New Orleans, LA, May 2010.

218. Focused Clinical Updates: Treatment of functional bowel disorders. Digestive Diseases Week, New Orleans, LA, May 2010.
219. Gender differences and women's health issues in functional GI disorders. AGA Nurse Practitioners and Physician Assistant's meeting, San Francisco, August 2010.
220. Evidence-based vs. Patient-centered approach. Annual ACG meeting, San Antonio, TX, October 2010.
221. Controversies in Functional Bowel Diseases. Southern California Gastroenterology Society Post-DDW Course, Dana Point, California, July 2010.
222. Testing for bacterial overgrowth, IBS, and carbohydrate intolerance. ANMS 5th Biennial Course on GI Motility & Neurogastroenterology in Clinical Practice, Boston, Massachusetts, August 2010.
223. Cytokines and local effector mechanisms. 2010 Joint International Neurogastroenterology and Motility meeting, Boston, Massachusetts, August 2010.
224. Tissue and Serum Biomarkers in FGIDs: HPA axis, 5-HIAA, fecal calprotectin and human β -defensin-2. FDA Biomarker Workshop, Silver Springs, MD, September 2010.
225. Patient-Centered Care vs. Evidence Based Care, IBS breakfast symposium, Annual ACG meeting, San Antonio, Texas, October 2010.

2011

226. Irritable Bowel Syndrome: What You Need To Know In Clinical Practice. Medicine Grand Rounds, Vanderbilt University Medical Center, 2011 William D. Salmon Lectures
227. hip, Nashville, TN, January 2011.
228. Role of Stress and Inflammation in IBS: What Is the Evidence. GI Grand Rounds, Vanderbilt University Medical Center, 2011 William D. Salmon Lectureship, Nashville, TN, January 2011.
229. Clinical Trials in Irritable Bowel Syndrome: A Year in Review. Digestive Diseases of the Caribbean, Puerto Rico Gastroenterology Association, Puerto Rico, March 2011.
230. Refractory Nausea, Vomiting, and Gastroparesis. Digestive Diseases of the Caribbean, Puerto Rico Gastroenterology Association, Puerto Rico, March 2011.
231. Challenging Cases at the Referral Centers- Mini Symposium. 9th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, WI, April 2011.
232. Brain Gut Modulation of GI Symptoms- Workshop. 9th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, WI, April 2011.
233. Managing Pain in Irritable Bowel Syndrome. Postgraduate Course, Digestive Diseases Week, Chicago, Illinois, May 2011.

234. Primer on the FDA PRO Guidance Document. Digestive Diseases Week, Chicago, Illinois, May 2011.
235. Controversies in Functional Bowel Diseases. Southern California Gastroenterology Society Post-DDW Course, Laguna Niguel, California, July 2011.
236. Diagnostic testing in IBS, Current approaches for testing in IBS, SIBO, and lactose/fructose intolerance. ANMS-FBG Annual Motility Course, St. Louis, MI, September 2011.
237. Secretagogues, Prokinetics, and Anti-nociceptives in IBS. Satellite symposium, ANMS-FBG Scientific Meeting, St. Louis, MI, September 2011.
238. How to make the most out of your mentoring relationship. Young Investigators Forum, ANMS-FBG Scientific Meeting, St. Louis, MI, September 2011.
239. Functional GI Disorders: Underlying Mechanisms and Appropriate Therapy. American College of Gastroenterology GI Pathophysiology Course, Washington, D.C., October 28, 2011.
240. Gas and Bloating – Still a Problem After All of These Years? Annual ACG Scientific Meeting, Washington, D.C., November 2, 2011.
241. What tools are available for symptom measurement in IBS? Meeting on Measurement of Urinary Symptoms (MOMUS), NIH, Bethesda, Maryland, November 14, 2011.
242. Diagnosis and Treatment of Irritable Bowel Syndrome. X Semana Brasileira do Aparelho Digestivo, Brazilian Congress of Gastroenterology, Porto Alegre, Brazil, November 21, 2011.
243. Effect of Stress on FGIDs. X Semana Brasileira do Aparelho Digestivo, Brazilian Congress of Gastroenterology, Porto Alegre, Brazil, November 22, 2011.

2012

244. Clinical Trials Update in IBS, Intestinal Disorders session (also moderated session). AGA Clinical Congress, Miami, Florida, January 21, 2012.
245. Gastroparesis: Evolving Tools, Breakout session. AGA Clinical Congress, Miami, Florida, January 20-21, 2012.
246. Irritable bowel syndrome: What's New? (Also served as Moderator) ACG Board of Governors/ASGE Best Practices, Huntington Beach, California, January 28, 2012.
247. Early Life Stress and Glucocorticoid Receptor Gene Methylation in Irritable Bowel Syndrome. Center for Neurobiology of Stress 10th Anniversary Annual Symposium, Los Angeles, CA, February 9, 2012.
248. Medical management of constipation, fecal incontinence, and IBS. Multidisciplinary Pelvic Floor Conference, UCLA, Los Angeles, CA, March 21, 2012.

249. Review of IBS and Functional Abdominal Pain. Pediatric GI Conference, UCLA, Los Angeles, CA, March 23, 2012.
250. Difficult FGID Cases, AGA Postgraduate Course, Digestive Diseases Week, San Diego, CA, May 19, 2012.
251. GI Motility, IBS and Women. Presidential Plenary, Digestive Diseases Week, San Diego, CA, May 21, 2012.
252. Glucocorticoid Receptor Gene Methylation is a Potential Biomarker of Irritable Bowel Syndrome. Digestive Diseases Week, San Diego, CA, May 19, 2012.
253. Irritable Bowel Syndrome: What's Important to Know for Clinical Practice, Harbor-UCLA Department of Medicine Grand Rounds, Torrance, CA, June 5, 2012.
254. Pathophysiology of IBS and Other Common FGIDs. Rome Foundation - AGA Institute Communication Skills Workshop: Improving the Medical Interview and the Physician Patient Relationship with Patients Having Functional GI Disorders. Chapel Hill, NC, June 8-9, 2012.
255. Controversies in Functional Bowel Disorders. Southern California Gastroenterology Society Post-DDW Course, Laguna Beach, California, June 16, 2012.
256. State of the Art Lecture: Management of Functional Abdominal Pain. Southern California Gastroenterology Society Post-DDW Course, Laguna Beach, California, June 16, 2012.
257. Patient case: Chronic constipation. UCLA GI Noon Conference: Neurogastroenterology, Los Angeles, California, June 20, 2012.
258. Medical management of IBS. Expert Update on Treatments for Functional GI Disorders: A Symposium for Patients, Chapel Hill, North Carolina, June 23, 2012.
259. Bloating. Expert Update on Treatments for Functional GI Disorders: A Symposium for Patients, Chapel Hill, North Carolina, June 24, 2012.
260. How to find the right mentor. 2012 Tenth Annual Young Investigator Forum, American Neurogastroenterology and Motility Society (ANMS) Motility Course, Chicago, Illinois, July 27, 2012.
261. Pathophysiology and Treatment of IBS. Gastrointestinal Motility and Neurogastroenterology in Clinical Practice, Chicago, Illinois, July 29, 2012.
262. Psychosocial Factors in IBD. Served as preceptor for GI Division Journal Club, August 23, 2012.
263. Management of IBS. Visiting Professor GI Grand Rounds, Indiana University, Indianapolis, Indiana, September 17, 2012.
264. Bloating and distension patient case. UCLA GI Noon Conference, Los Angeles, CA, October 3, 2012.

265. Understanding IBS for Rome IV. Festival of Gastroenterology and Endoscopy (FGE) Sanya, Sanya Island, China, October 10, 2012.
266. Recurrent abdominal pain and disordered bowel habit. FGE Beijing, Chinese PLA General Hospital Beijing, China, October 13, 2012.
267. Antibiotics: What to Do After They Work? IBS: Do Microbes Matter? Symposium, ACG Annual Meeting, Las Vegas, NV, October 18, 2012.
268. IBS Diagnosis, Pathophysiology and Treatment. The 6th Japan and US Collaboration Conference in Gastroenterology Program, Tokyo, Japan, November 14, 2012.

2013

269. IBS: Insights Into the Pathophysiology and Treatment. GI Grand Rounds, Mount Sinai visiting professor program, New York, NY, January 4, 2013.
270. The Spectrum of Functional GI Disorders: Symptoms and Diagnostic Criteria. UCLA GI Fellows Conference, Los Angeles, CA, February 8, 2013.
271. IBS: Insights Into the Pathophysiology and Treatment. GI Grand Rounds, Stanford Hack Lectureship Program visiting professor program, Palo Alto, CA, February 27, 2013.
272. Treatment of IBS – State-of-the-Art in 2013. Advances in Gastroenterology and Hepatology, San Diego, CA, March 2, 2013.
273. Chronic nausea and vomiting- causes and remedies. UCLA-Mellinkoff Gastroenterology Symposium, Beverly Hills, CA, March 8, 2013.
274. Chronic abdominal pain. UCLA Pediatric GI Conference, Los Angeles, CA, March 23, 2013.
275. Treatment of Opioid Bowel, Opioid and Narcotic Bowel Mini-symposium. 10th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, Wisconsin, April 12-14, 2013.
276. Treatment Pearls, Clinical Pearls for the Clinician workshop. 10th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, Wisconsin, April 12-14, 2013.
277. IBS, Clinical Trial Design and Outcome Measurement Mini-symposium. 10th International Symposium on Functional Gastrointestinal Disorders, Milwaukee, Wisconsin, April 12-14, 2013.
278. IBS: Insights Into the Pathophysiology and Treatment. Medical Grand Rounds, Rouse visiting professor lectureship, Baylor University Medical Center, Dallas, TX, April 16, 2013.
279. Chronic Nausea and Vomiting: Diagnosis and Treatment. Noon Housestaff Conference, Baylor University Medical Center, Dallas, TX, April 16, 2013.
280. Gastroparesis: New Treatments for a Perpetual Problem. Served as preceptor for Journal Club, Division of Digestive Diseases, UCLA.

281. What Causes "Functional" Bowel Disorders? Recent Insights and What It Means for the Clinician. AGA Postgraduate Course General Session, Digestive Diseases Week meeting, Orlando, FL, May 18, 2013.
282. The "Impossible" Abdominal Pain Patient: Treatment Strategies and Helpful Hints. AGA Postgraduate Course Clinical Challenge session, Digestive Diseases Week meeting, Orlando, FL, May 18, 2013.
283. Bloating and Distension: Understanding the Mechanisms and Optimizing Management. Meet-the-Professor, Digestive Diseases Week meeting, Orlando, FL, May 19, 2013.
284. Clinical Conversations: Getting Patients With CC and IBS-C Back on Track. DDW satellite symposium, Digestive Diseases Week meeting, Orlando, FL, May 19, 2013.
285. Functional Abdominal Pain Syndrome. Neurogastroenterology Clinical Conference. UCLA GI noon conference, Los Angeles, CA, May 29, 2013.
286. IBS: It's not that simple. First Annual GALA Conference, Austin, TX, June 21-22, 2013.
287. Functional GI case conference. First Annual GALA Conference, Austin, TX, June 21-22, 2013.
288. How to Approach Challenging Clinical Scenarios in Functional GI Disorders. UCLA GI Fellowship Curriculum Conference, Los Angeles, CA, August 23, 2013
289. Management of IBS, IBS Cornerstones Lecture. GI Conference, University of Washington, Seattle, WA, August 30, 2013.
290. Fecal Incontinence. UCLA GI Noon Conference, Los Angeles, CA, September 11, 2013.
291. Current insights on the Causes of Functional Bowel Disorders and How They Impact Treatment. Ray Clouse Visiting Professor of Excellence Lecture, Washington University, St. Louis, September 17, 2013.
292. Current state of PROs for IBS, gastroparesis and functional dyspepsia. 17th Neurogastroenterology & Motility Scientific Meeting, Huntington Beach, CA, September 22, 2013.
293. Differentiating and Managing IBS-C and Chronic Constipation. Annual American College of Gastroenterology (ACG) Postgraduate Course, San Diego, CA, October 12, 2013.
294. Management of the Severely Constipated Patient. United European Gastroenterology (UEG) Scientific Meeting, Berlin, Germany, October 15, 2013.
295. Emerging Treatment for IBS. United European Gastroenterology (UEG) Scientific Meeting, Berlin, Germany, October 15, 2013.

296. Psycho-Pharmacology Therapies. UNC Functional GI Conference, How to Treat IBS Effectively: Expert Update for Health Professional, Raleigh-Durham, NC, November 2, 2013.
297. Rome Diagnostic algorithm for functional bowel disorders. UNC Functional GI Conference, How to Treat IBS Effectively: Expert Update for Health Professional, Raleigh-Durham, NC, November 2, 2013.
298. Evaluation and Medical Management of Chronic Constipation and Defecatory Disorders. Female Pelvic Medicine and Reconstructive Surgery lecture series. Los Angeles, CA, December 9, 2013.
299. Functional GI and Motility Jeopardy. UCLA GI Fellowship Curriculum lectures, Los Angeles, CA, December 20, 2013.

2014

300. Functional GI cases. Second Annual UCLA-Mellinkoff Gastroenterology Symposium, Beverly Hills, CA, March 8, 2014.
301. Management of functional GI disorders. UCLA Pediatric Gastroenterology Conference, Los Angeles, CA, April 18, 2014.
302. Genetic Polymorphisms and Cytokines in Irritable Bowel Syndrome. Digestive Diseases Week, Chicago, IL, May 3, 2014.
303. Functional Abdominal Pain, Clinical Challenges session, Postgraduate Course. Digestive Diseases Week, Chicago, IL, May 3, 2014.
304. Managing Chronic Constipation and IBS with Constipation: New Evidence of Overlap, Distinctions, and Improved Treatment Strategies. Satellite Symposium, Digestive Diseases Week, Chicago, IL, May 3, 2014.
305. IBS and FODMAPs. ASGE/AGA Presidential Plenary. Digestive Diseases Week, Chicago, IL, May 4, 2014.
306. Genetics and IBS: Is there a Pattern to the Puzzle? Digestive Diseases Week, Chicago, IL, May 5, 2014.
307. Communication with the Patient in the Era of EHR. Digestive Diseases Week, Chicago, IL, May 6, 2014.
308. Irritable Bowel Syndrome. Meet the Professor luncheon. Digestive Diseases Week, Chicago, IL, May 3, 2014.
309. Understanding what causes symptoms in the intestines and rectum. Expert Update for Functional GI Disorders: A Symposium for Patients, Washington, D.C., June 22, 2014.
310. Managing your irritable bowel syndrome. Expert Update for Functional GI Disorders: A Symposium for Patients, Washington, D.C., June 22, 2014.

311. Multidimensional Disease Clinical Profile- Applications for Treatment and Research. UCLA Digestive Diseases Noon Conference. July 9, 2014.
312. What are the major updates in IBS over the past year? American Neurogastroenterology Society annual postgraduate course, Baltimore, Maryland, July 26, 2014.
313. Current and Emerging Therapeutic Strategies for IBS-C and CC: Clinical Findings. Individualized Management of IBS-C and CC in the Primary Care Setting: Practical Strategies to Improve Patient Outcomes. Peerview Institute online medical education program.
314. Working team for severity in IBS. Rome symposium, Federation of Neurogastroenterology and Motility meeting, Guangzhou, China, September 5, 2014
315. Novel therapeutic targets. Federation of Neurogastroenterology and Motility meeting, Guangzhou, China, September 6, 2014.
316. Microinflammation and immune activation in functional bowel disorders. Federation of Neurogastroenterology and Motility meeting, Guangzhou, China, September 7, 2014.
317. Patient Management Updates: Opioid Induced Constipation. GI and Liver Association of America (GALA) conference, San Francisco, CA, September 19, 2014.
318. Epidemiology of IBS. IBS conference, Cedars-Sinai Medical Center, Los Angeles, CA, September 22, 2014.
319. A “new” source of relief? Prucalopride and Constipation (Preceptor). UCLA GI Journal Club, Los Angeles, AG, October 3, 2014.
320. Logic in using a diet without FODMAPs in IBS. 2014 Pan American Congress of Gastroenterology and Endoscopy, Buenos Aires, Argentina, October 7, 2014.
321. New treatments in FGIDs. 2014 Pan American Congress of Gastroenterology and Endoscopy, Buenos Aires, Argentina, October 7, 2014.
322. IBS-C and Chronic Constipation. GI News Tonight, Satellite symposium, 2014 American College of Gastroenterology (ACG) Annual Meeting in Philadelphia, PA, October 19, 2014.
323. Inflammatory Diarrhea. Chronic Idiopathic Diarrhea satellite symposium, 2014 American College of Gastroenterology (ACG) Annual Meeting in Philadelphia, PA, October 20, 2014.
324. Academic Practice. AGA Regional Practice Skills Workshop. Los Angeles, CA, October 24, 2014.
325. Global epidemiology of FGIDs. Postgraduate Course, Semana Nacional de Gastroenterologia meeting, Cancun, Mexico, November 15, 2014.
326. What's new in IBS pathophysiology? Postgraduate Course, Semana Nacional de Gastroenterologia meeting, Cancun, Mexico, November 16, 2014.

327. Following the evolution and prevalence of IBS. Semana Nacional de Gastroenterologia meeting, Cancun, Mexico, November 17, 2014.
328. Opioid induced constipation. Semana Nacional de Gastroenterologia meeting, Cancun, Mexico, November 18, 2014.
329. Understanding the AGA Institute IBS Treatment Guidelines. AGA Webinar, December 16, 2014.
330. GI Jeopardy: Functional GI Disorders. UCLA GI Fellowship curriculum lectures series. Los Angeles, CA, December 19, 2014.

2015

331. Irritable bowel syndrome and SIBO. ACG Western Regional Conference, Las Vegas, NV, January 25, 2015.
332. SCOR Project 1 study: Hypothalamic-pituitary-adrenal axis responses to hormone challenge: IBS and sex differences. Center for Neurobiology of Stress SCOR research meeting. Los Angeles, CA, January 28, 2015.
333. Case Conference, Functional GI Disorders. UCLA GI Noon Conference, Los Angeles, CA, February 25, 2015.
334. Chronic constipation and fecal incontinence: diagnosis and management. Third annual Mellinkoff GI conference, Beverly Hills, March 13, 2015.
335. Emerging strategies to identify disease-specific biomarkers in the Omics era: The role of ethnicity and gender. ANMS Advisory Committee Meeting, Dallas, TX, March 21, 2015.
336. Patient Management Updates: Chronic Constipation. GALA Conference, Dallas, TX, April 10, 2015.
337. Functional Bowel Disorders. UCLA GI Fellowship Monday morning VA lectures, Los Angeles, CA, April 12, 2015.
338. Evaluation and Management of Constipation. Division of Pelvic Medicine and Reconstructive Surgery Lecture Series, Los Angeles, CA, April 27, 2015.
339. ACG GI Circle and Rome Foundation Webinar: "A Multi-Dimensional Approach to Treating Functional Gastrointestinal Disorders II, May 7, 2015.
340. The Problem of Abdominal Pain: How to Work Up, Evidence on Effective Treatments. Digestive Diseases Week Postgraduate Course, Washington, D.C., May 16, 2015.
341. Managing the Complicated IBS Patient. Clinical Challenge Session, Digestive Diseases Week Postgraduate Course, Washington, D.C., May 16, 2015.

342. Enhanced stimulated stress hormone response in irritable bowel syndrome (IBS) is associated with downregulation of glucocorticoid receptor expression. Research Forum, Digestive Diseases Week meeting, Washington, D. C., May 18, 2015.
343. Current insights on the causes and treatment of IBS. University of Alabama visiting lectureship in GI. Birmingham, AL, June 1, 2015.
344. Rome Multidisciplinary Clinical Profiles (MDCP) of FGID Patients. Department of Pediatrics GI Conference, Los Angeles, CA, June 12, 2015.
345. Novel Insights into the Pathogenesis of IBS (Diet/Gluten/Celiac/Microbiome). Joint Congress in Neurogastroenterology at Northwestern Medicine, Chicago, IL, August 27, 2015.
346. Clinical Cases: Globus, Dysphagia, Irritable Bowel Syndrome, Constipation. Joint Congress in Neurogastroenterology at Northwestern Medicine, Chicago, IL, August 27, 2015.
347. Bloating and Abdominal Distension: Diagnosis and Management. ANMS Clinical Course, Chicago, IL, August 28, 2015.
348. Role of Stress and Early Adverse Life Events in IBS. AGA James W. Freston Single Topic Conference, Chicago, IL, August 30, 2015.
349. Managing IBS: Integrating an Evidence Based and Practical Approach. 41st Annual Topics in Gastroenterology and Hepato-Biliary Update Conference, Baltimore, MD, September 10, 2015.
350. Chronic constipation, rectal and vaginal prolapse case presentation. UCLA GI noon conference, Los Angeles, CA, September 23, 2015.
351. Myths and Realities about Feeling Good: What We Should Know. Wisdom from Within conference, Division of Digestive Diseases, David Geffen School of Medicine, Los Angeles CA, September 30, 2015.
352. Current insights in the causes, diagnosis and treatment of IBS. UCLA GI Fellowship Core Curriculum, Los Angeles, CA, October 30, 2015.
353. Functional GI and Motility Disorders Jeopardy, UCLA Gastroenterology Fellowship Core Curriculum, Los Angeles, CA, December 18, 2015.

2016

354. Current insights in the diagnosis, causes, and treatment of IBS. Department of Medicine Grand Rounds, Tulane University, New Orleans, LA, January 6, 2016.
355. Functional GI case conference: Abdominal bloating and distension. UCLA GI noon conference, Los Angeles, CA, February 24, 2016.
356. Role of Stress and Early Adverse Life Events in IBS. Academic Day for Center for East West Medicine, UCLA, Los Angeles, CA, March 3, 2016.

357. Celiac disease and IBS: What is the overlap? 7th Expert Strategies in Endoscopy, Gastrointestinal and Liver Diseases, Kansas City, MO, March 12, 2016.
358. Functional Diarrhea and Functional Constipation. 7th Expert Strategies in Endoscopy, Gastrointestinal and Liver Diseases, Kansas City, MO, March 12, 2016.
359. Emerging IBS Treatments. 4th Annual UCLA-Mellinkoff Gastroenterology and Hepatology Symposium, Beverly Hills, CA, March 13, 2016.
360. Chronic constipation. UCLA GI Fellowship Monday am VA lecture series, Los Angeles, CA, March 28, 2016.
361. Integrating Scientific Evidence and a Practical Approach in the Management of Irritable Bowel Syndrome. Department of Medicine Grand Rounds, New York University (NYU) Langone Medical Center, NY, April 6, 2016.
362. Diagnosis and Management of IBS. Lecture Series, Division of Pelvic Floor and Reconstructive Surgery, Department of Urology, April 25, 2016.
363. The role of brain-gut interactions in chronic pain and stress in IBS. GI Fellow Grand Rounds, University of Michigan, Ann Arbor, MI, May 10, 2016.
364. Mechanisms and management of bloating in IBS. MBCP Grand Rounds, University of Michigan, Ann Arbor, MI, May 10, 2016.
365. Motility Matters: An Interactive Forum to Debate What Progress the Field Has Made. IBS, constipation and fecal incontinence. Digestive Diseases Week, San Diego, CA, May 23, 2016.
366. Patient management update: chronic constipation and opioid induced constipation. GALA conference, Cleveland, OH, June 3, 2016.
367. Functional GI Disorders. GALA conference, Cleveland, OH, June 3, 2016.
368. Classification of Rome IV functional GI disorders and management. VA Monday morning lecture, UCLA GI Fellowship Program, Los Angeles, CA, June 13, 2016.
369. Biologic phenotypic of functional bowel disorders. NIDDK Functional Bowel Disorders workshop, Bethesda, Maryland, June 23, 2016.
370. Multidisciplinary Clinical Profiles (MDCP): Individualized Patient Care Approach for Functional Upper GI Disorders. UCLA Division of Digestive Diseases Noon Conference, Los Angeles, CA, August 10, 2016.
371. Update in Pathophysiology, Diagnosis and Treatment of IBS. GI conference, Rady's Children's Hospital San Diego, UC San Diego, August 11, 2016.
372. Role of stress and early adverse life events in IBS. Pediatric Grand Rounds, Rady's Children's Hospital San Diego, UC San Diego, August 12, 2016.

373. From Rome III to Rome IV...what's new about IBS? IBS in 2016: present and future challenges ...redefining history? GI Conference, San Francisco, CA, August 24, 2016.
374. Celiac and IBS: What is the overlap? IBS in 2016: present and future challenges ...redefining history? GI Conference, San Francisco, CA, August 24, 2016.
375. Rome IV Multidimensional Clinical Profile (MDCP): Augmenting Rome Criteria to Optimize Patient-Centered Treatment. Federation of Neurogastroenterology and Motility (FNM) scientific meeting, San Francisco, CA, August 25, 2016.
376. Genomic Biomarkers in IBS: Diagnosis. Federation of Neurogastroenterology and Motility (FNM) scientific meeting, San Francisco, CA, August 26, 2016.
377. New and Emerging Therapies for Managing Visceral Hyperalgesia. Federation of Neurogastroenterology and Motility (FNM) scientific meeting satellite symposium, San Francisco, CA, August 26, 2016.
378. Integrating Scientific Evidence and a Practical Approach in the Management of Irritable Bowel Syndrome. Wade Volwiler GI visiting professor lecture at Department of Medicine Grand Rounds, University of Washington, Seattle, WA, September 1, 2016.
379. Current and Emerging Treatments for Irritable Bowel Syndrome and Bloating. Pacific Northwest Gastroenterology Society, Seattle, WA, September 1, 2016.
380. The role of stress and resilience in IBS. Frontiers in Gastroenterology and Hepatology, Seattle, WA, September 2, 2016.
381. Diagnosis and management of irritable bowel syndrome. ACG Edgar Achkar Professorship, Rush University Medical Center, Chicago, IL, September 9, 2016.
382. Extraintestinal symptoms in IBS. 24th United European Gastroenterology Week, Austria, Vienna, October 17, 2016.
383. State-of-the-art in IBS: from single to multi-symptom therapy, Discover the truth about IBS: rethinking current opinions in gastroenterology satellite symposium. 24th United European Gastroenterology Week, Austria, Vienna, October 17, 2016.
384. A positive diagnostic strategy is preferred in IBS. 24th United European Gastroenterology (UEG) Week, Austria, Vienna, October 18, 2016.
385. Optimizing the Patient-Provider relationship using Effective Communication Techniques. 24th United European Gastroenterology Week, Austria, Vienna, October 18, 2016.
386. Chronic constipation. UCLA GI Fellowship VA clinic lecture series, Los Angeles, CA, October 31, 2016.
387. Highlights in Rome IV Criteria and Recommendations from Rome Experts. 15th PUMCH Symposium of Functional Gastrointestinal Disorders (FGIDs) and Psychological Disorders, Beijing, China, November 5, 2016.

388. Understanding Brain-Gut Interaction Disorders: Visceral Pain. 15th PUMCH Symposium of Functional Gastrointestinal Disorders (FGIDs) and Psychological Disorders, Beijing, China, November 5, 2016.
389. The Inspirations from Rome. PUMCH Research Workshop on Functional Gastrointestinal Disorders (FGIDs) Scientific Program, Beijing, China, November 6, 2016.
390. Design, Methodology and Reports. PUMCH Research Workshop on Functional Gastrointestinal Disorders (FGIDs) Scientific Program, Beijing, China, November 5, 2016.
391. Irritable bowel syndrome. UCLA GI Fellowship VA clinic lecture series, Los Angeles, CA, November 14, 2016.
392. Functional Gastroduodenal Disorders. The Rome Foundation Symposium: Launch of Rome IV. Association of Mexican Gastroenterology Conference, Mexican Digestive Diseases Week, Mazatlan, November 21, 2016.
393. Lower Gastrointestinal Functional Bowel Disorders. The Rome Foundation Symposium: Launch of Rome IV. Association of Mexican Gastroenterology, Mexican Digestive Diseases Week, Mazatlan, November 21, 2016.
394. Emerging Pharmacological Therapies for Irritable Bowel Syndrome, Keynote Conference, Association of Mexican Gastroenterology Conference, Mexican Digestive Diseases Week Mazatlan, November 22, 2016.
395. Myths and realities...do we move forward? Association of Mexican Gastroenterology Conference, Mexican Digestive Diseases Week Mazatlan, November 22, 2016.
396. Integrating Scientific Evidence and a Practical Approach in the Management of Irritable Bowel Syndrome. City Wide GI Lecture, Toronto, Canada, November 30, 2016.

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397. Celiac Disease and IBS: What is the overlap? GI Fellowship Program Core Curriculum lecture, Division of Digestive Diseases, UCLA, Los Angeles, CA, February 17, 2017.
398. Integrating Scientific Evidence and a Practical Approach in the Management of Irritable Bowel Syndrome. 48th Annual Samuel D. Kushlan Visiting Professor, Yale University, New Haven, CT, March 1, 2017.
399. Current and Emerging Treatments for IBS, Chronic Abdominal Pain and Bloating. Department of Medicine Grand Rounds, Samuel D. Kushlan Visiting Professor, Yale University, New Haven, CT, March 2, 2017.
400. What's New with Rome IV for Functional GI Disorders? 5th Annual UCLA-Mellinkoff Gastroenterology and Hepatology Symposium, Beverly Hills, CA, March 10, 2017.
401. Chronic Bloating. ACG Western Regional Postgraduate Course and Hepatology School, Las Vegas, NV, March 11, 2017.

402. Disease Management of Challenging Functional GI Cases. UCLA GI noon conference, Los Angeles, CA, March 15, 2017.
403. CURE lecture: Role of Stress in IBS: Biologic Mechanisms and Clinical Implications. Annual CURE Digestive Disease Research Center Meeting, Los Angeles, CA, March 17, 2017.
404. Stress, early life adversity and sex differences in IBS. Rome visiting professorship, Centre of Neuroscience conference, Flinders University, Adelaide, Australia, March 29, 2017.
405. Multidisciplinary Clinical Profiles (MDCP): Individualized Patient Care Approach for Functional GI Disorders. Rome visiting professorship, IBS workshop, Flinders University, Adelaide, Australia, March 29, 2017.
406. Mechanisms and management of abdominal bloating. Australasian NeuroGastroenterology & Motility Association (ANMGA)- 2017 Conference, Melbourne, Australia, April 1, 2017.
407. Role of brain-gut interactions and stress in IBS. Keynote lecture, Australasian NeuroGastroenterology & Motility Association Inc (ANMGA)- 2017 Conference, Melbourne, Australia, April 2, 2017.
408. Irritable bowel syndrome. AGA Postgraduate Course: The Full Scope of GI Advances, General Session, Chicago, Illinois, May 7, 2017.
409. 42 Y/O Media Consultant with Severe IBS. AGA Postgraduate Course, Case-based Session, Chicago, Illinois, May 7, 2017.
410. Planning for An Academic Career During Fellowship, Digestive Diseases Week meeting, May 8, 2017.
411. Irritable Bowel Syndrome - Looking Through the Crystal Glass. Meet-the-Professor luncheon, Digestive Diseases Week meeting, May 9, 2017.
412. IBS: Meeting the Clinical Challenge. Pri-Med West Annual Conference & Exhibition, Anaheim, CA, May 11, 2017.
413. Pathophysiology, Diagnosis and Treatment of IBS. Oregon Health Sciences University GI Research Conference, Portland, OR, June 9, 2017.
414. State-of-the-Art Lecture: Functional Bowel Disorders. Post-DDW Conference 2017, Oregon Health Sciences University, Portland, OR, June 10, 2017.
415. Role of Stress in IBS: Clinical and Biologic Implications. 2017 International Forum of Gastrointestinal Disorders, Wuhan Union Hospital, Wuhan, China, June 23, 2017.
416. What's New in Rome IV? 2017 International Forum of Gastrointestinal Disorders, Wuhan Union Hospital, Wuhan, China, June 24, 2017.

417. Case presentations. Non-medical treatment options for functional disease and live videostream #3. 12th Postgraduate Course on Gastrointestinal Motility & Neurogastroenterology in Clinical Practice, August 4-6, 2017, New York, New York.
418. Treatment of IBS. Metro Health 4th Annual GI Symposium. Cleveland, Ohio, August 18, 2017.
419. Making the Diagnosis of IBS. How to Conquer the Awkward Constipation and Diarrhea Conversations Symposium. American Academy of Family Practitioners meeting, San Antonio, TX, September 13, 2017.
420. Chronic constipation. VA GI fellow lecture series, Los Angeles, CA, October 2, 2017.
421. Optimizing the Diagnosis of IBS: Future Directions. 25th United European Gastroenterology (UEG) Week, Barcelona, Spain, October 31, 2017.
422. Emerging Therapies for IBS. 25th United European Gastroenterology (UEG) Week, Barcelona, Spain, November 1, 2017.
423. GI Case Conference: Functional Dyspepsia and IBS with Constipation. UCLA Division of Digestive Diseases Case Conference, Los Angeles, November 9, 2017.
424. Role of Stress and Resilience in IBS: Clinical Implications and Biologic Mechanisms. Charles F. Code Lecturer, Mayo Clinic, Rochester, MN, November 15, 2017.
425. Academics, panel discussion. AGA Practice Skills Workshop- California. Los Angeles, CA, December 9, 2017.
426. Irritable Bowel Syndrome. VA GI fellow lecture series, Los Angeles, CA, December 11, 2017.

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427. Irritable Bowel Syndrome and Functional Constipation. Rome Foundation webcast for Acino, New York, NY, January 19, 2018.
428. Case based presentations on IBS-D, IBS-C, Functional Constipation, Functional Defecation Disorder. Rome Foundation webcast for Acino, New York, NY, January 19, 2018.
429. Pharmacotherapy of Functional Dyspepsia. 6th Annual UCLA-Mellinkoff Gastroenterology and Hepatology Symposium, Beverly Hills, CA, March 9, 2018.
430. Pharmacotherapy of Chronic Constipation. 6th Annual UCLA-Mellinkoff Gastroenterology and Hepatology Symposium, Beverly Hills, CA, March 9, 2018.
431. Neurobiology of Stress and IBS. American College of Gastroenterology Regional Course, New Orleans, LA, March 10, 2018.

432. Evaluation and management of constipation. Division of Pelvic Medicine and Reconstructive Surgery Lecture Series, Department of Urology, UCLA, Los Angeles, CA, March 26, 2018.
433. Effect of sex on HPA axis response and peripheral glucocorticoid receptor in IBS. 7th Annual Postgraduate Course in Neurogastroenterology and Motility (APNM) and 29th Annual Conference of the Korean Society of Neurogastroenterology and Motility, Seoul, South Korea, April 7, 2018.
434. State-of-the-Art in IBS. Allergan Medical Institute - Canada Expert Meeting in Gastroenterology, Toronto, Canada, April 27-28, 2018.
435. IBS Treatment: Expanding the Evidence. Allergan Medical Institute - Canada Expert Meeting in Gastroenterology, Toronto, Canada, April 27-28, 2018.
436. Why is Gender so Important in IBS? IBS Days Conference, Bologna, Italy, May 18, 2018.
437. Functional GI Disorders: Diagnosis and Management of IBS and Chronic Constipation. UCLA GI Fellowship curriculum lectures series. Los Angeles, CA, May 25, 2018.
438. Taking the Pain out of Managing Functional GI Patients. How to Manage Difficult Gastroenterology Consultations symposium, Digestive Diseases Week, Washington, D.C., June 2, 2018.
439. Colorectal session: Chronic abdominal pain, Bloating and constipation cases. Motility Matters symposium, Digestive Diseases Week, Washington, D.C., June 4, 2018.
440. Diagnosing IBS and other Functional Bowel Disorders. Chronic Diarrhea and IBS: Current Knowledge and Update on Management Strategies symposium, Digestive Diseases Week, Washington, D.C., June 5, 2018.
441. Controversies in IBS. Southern California Society of Gastroenterology Post-DDW Symposium, Laguna Niguel, CA, June 24, 2018.
442. Managing Functional GI Disorders when the Biomarkers are Normal. American Neurogastroenterology and Motility Society (ANMS) Clinical Course, Milwaukee, Wisconsin, July 28, 2018.

PUBLICATIONS:

A. RESEARCH PAPERS – PEER REVIEWED

1990-1995

1. Boyar A, Nussmeier M, **Chang L**, Beall G. Eosinophilia as a presentation in metastatic gastric carcinoma. **Immunol All Pract** 12: 17-20, 1990.
2. de Virgilio C, Klein S, **Chang L**, Klassen M, Bongard F. Clostridial bacteremia: Implications for the surgeon. **Am Surg** 57: 388-393, 1991.

- de Virgilio C, Verbin C, **Chang L**, Lindor S, Stabile B, Klein S. Gallstone pancreatitis: The role of preoperative ERCP. **Arch Surg** 129: 909-913, 1994.

1996-1999

- Arnell T, de Virgilio C, **Chang L**, Bongard F, Stabile BE. Admission factors can predict the need for ICU monitoring in gallstone pancreatitis. **Am Surg** 62: 815-819, 1996.
- Munakata J, Naliboff B, Haffar F, Kodner A, Lembo T, **Chang L**, Silverman DHS, Mayer EA. Repetitive sigmoid stimulation induces rectal hyperalgesia in patients with irritable bowel syndrome. **Gastroenterology** 112: 55-63, 1997.
- Toosie K, **Chang L**, Renslo R, Arnell T, Bongard F, Stabile BE, de Virgilio C. Early computed tomography is rarely necessary in gallstone pancreatitis. **Am Surg** 10: 904-907, 1997.
- Chang L**, de Virgilio C, Lo SK, Lewis R, Stabile BE. Gallstone pancreatitis: A prospective study on the incidence of cholangitis and clinical predictors of retained common bile duct stones. **Am J Gastroenterol** 93: 527-531, 1998.
- Schmulson M, Lee O, **Chang L**, Naliboff B, Mayer EA. Symptom differences in moderate to severe IBS patients based on predominant bowel habit. **Am J Gastroenterol** 94:2929-2935 1999.
- Lee OY, FitzGerald LZ, Naliboff B, Liu C, Schmulson M, Fullerton S, Mayer EA, **Chang L**. Impact of advertisement and clinic populations in symptoms and perception of irritable bowel syndrome. **Aliment Pharmacol Ther** 13:1631-1638, 1999.

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- Chang L**, Lo SK, Lewis R, Stabile BE, de Virgilio C. Gallstone pancreatitis: a prospective randomized trial of preoperative vs. postoperative ERCP. **Ann Surg** 231:82-87, 2000.
- Meek K, Toosie K, Stabile BE, Elbassir M, Murrell Z, Lewis RJ, **Chang L**, de Virgilio C. Simplified admission criterion for predicting severe complications of gallstone pancreatitis. **Arch Surg** 135:1048-54, 2000.
- Chang L**, Mayer EA, FitzGerald L, Stains J, Naliboff B. Differences in somatic perception in patients with irritable bowel syndrome with and without fibromyalgia. **Pain** 84:297-307, 2000.
- Schmulson M, **Chang L**, Naliboff B, Lee O, Mayer EA. Correlation of symptom criteria with perception thresholds during rectosigmoid distension in irritable bowel syndrome. **Am J Gastroenterol** 95:152-156, 2000.

14. **Chang L**, Munakata J, Mayer EA, Schmulson MJ, Johnson TD, Bernstein CN, Saba L, Naliboff B, Anton PA, Matin K. Perceptual responses in patients with inflammatory and functional bowel disease. **Gut** 47:497-505, 2000. PMID: PMC1728092
15. Berman S, Munakata J, Naliboff B, **Chang L**, Mandelkern MA, Silverman D, Kovalik E, Mayer EA. Gender differences in regional brain response to visceral pressure in IBS patients. **Eur J Pain** 4:157-172, 2000.

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16. Naliboff B, Derbyshire SWG, Munakata J, Berman S, Mandelkern M, **Chang L**, Mayer EA. Cerebral activation in irritable bowel syndrome patients and control subjects during rectosigmoid stimulation. **Psychosom Med** 63(3):365-75, 2001.
17. Lee OY, Mayer EA, Schmulson M, **Chang L**, Naliboff B. Gender related differences in irritable bowel syndrome symptoms. **Am J Gastroenterol** 96:2184-2193, 2001.
18. Heitkemper M, Olden K, Gordon S, Carter E, **Chang L**. Irritable bowel syndrome: a survey of nurses' knowledge. **Gastroenterol Nurs** 24:281-287, 2001.
19. **Chang L**, Lee OY, Naliboff B, Schmulson M, Mayer EA. Bloating and abdominal distension symptoms in patients with irritable bowel syndrome. **Am J Gastroenterol** 96:3341-3347, 2001.

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20. Mayer EA, Derbyshire SWG, **Chang L**, Fitzgerald L, Berman S, Mandelkern M, Hamm L, Vogt B and Naliboff BD. The Effect of the 5-HT₃ Receptor Antagonist Alosetron on brain responses to visceral stimulation in IBS patients. **Aliment Pharmacol Ther** 16(7):1357-1366, 2002.
21. Heitkemper M, Elta G, Carter EG, Ameen V, Olden KW, **Chang L**. Women with Irritable Bowel Syndrome: Differences in Patients' and Physicians' Perceptions. **Gastroenterol Nurs** 25:192-200, 2002.
22. Berman S, **Chang L**, Suyenobu B, Derbyshire SWG, FitzGerald L, Mandelkern M, Hamm L, Vogt B, Naliboff BD, Mayer EA. Condition specific deactivation of brain regions by 5HT₃ antagonist alosetron. **Gastroenterology** 123:969-977, 2002.
23. Berman SM, Naliboff BD, **Chang L**, FitzGerald L, Antolin T, Camplone A, Mayer EA. Enhanced preattentive CNS reactivity in irritable bowel syndrome. **Am J Gastroenterol** 97:2791-2797, 2002.
24. Chey WD, Drossman D, Olden KW, Carter EG, Boyle J, **Chang L**. Do the Rome I and Rome II criteria identify the same IBS patients? Data from the Landmark Study. **Am J Gastroenterol** 97:2803-2811, 2002.

25. 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** 97:3131-3138, 2002.

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26. Dickhaus B, Mayer EA, Firooz N, Stains J, Conde F, Olivas TI, Fass R, **Chang L**, Mayer M, Naliboff BD. Effect of auditory stress on perceptual and emotional ratings of visceral stimuli in IBS patients. **Am J Gastroenterol** 98(1):135-43, 2003.
27. Naliboff BD, Berman S, **Chang L**, Derbyshire SWG, Suyenobu B, Vogt BA, Mandelkern MA, Mayer EA. Sex-related differences in IBS patients: central processing of visceral stimuli. **Gastroenterology** 124:1738-1747, 2003.
28. **Chang L**, Berman S, Mayer EA, Suyenobu B, Derbyshire SWG, Naliboff BD, Vogt B, FitzGerald LZ, Mandelkern MA. Brain responses to acute visceral and somatic stimuli in patients with irritable bowel syndrome and fibromyalgia. **Am J Gastroenterol** 98:1354-1361, 2003.
29. Hazlett-Stevens H, Craske MG, Mayer EA, **Chang L**, Naliboff BD. Prevalence of irritable bowel syndrome among university students: the roles of worry, neuroticism, anxiety sensitivity and visceral anxiety. **J Psychosom Res** 55(6): 501-505, 2003.

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30. Schwetz I, Naliboff B, Munakata J, Lembo T, **Chang L**, Matin K, Ohning G, Mayer EA. Anti-hyperalgesic effect of octreotide in patients with irritable bowel syndrome. **Aliment Pharmacol Ther** 9(1):123-31, 2004.
31. 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** 66(3):426-34, 2004.
32. 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** 20:89-97, 2004.
33. Spiegel BMR, Gralnek IM, Bolus R, **Chang L**, Dulai GS, Mayer EA, Naliboff B. Clinical determinants of health-related quality of life in irritable bowel syndrome. **Arch Intern Med** 164:1773-1780, 2004.
34. Gralnek IM, Hays RD, Kilbourne, AM, **Chang L**, Mayer EA. Racial differences in the impact of irritable bowel syndrome on health-related quality of life. **J Clin Gastro** 38(9):782-9, 2004.

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35. **Chang L**, Ameen VZ, Dukes G, McSorley DJ, Mayer EA. A dose-ranging, phase II study of the efficacy and safety of alosetron hydrochloride (Lotronex®) in men with diarrhea-predominant IBS. **Am J Gastroenterol** 100:115-123, 2005.

36. Tillisch K, Labus J, 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** 100(4):896-904, 2005.
37. Longstreth GF, Bolus R, Naliboff B, **Chang L**, Kulich KR, Carlsson J, Mayer EA, Naesdal J, Wiklund IK. Impact of irritable bowel syndrome on patients' lives: Development and psychometric documentation of a disease-specific measure for use in clinical trials. **Eur J Gastroenterol Hepatol** 17(4):411-420, 2005.
38. Hungin P, **Chang L**, Locke R, Dennis E, Barghout V. Prevalence, symptoms and impact of IBS in the USA: a descriptive study. **Aliment Pharmacol Ther** 21:1365-1375, 2005.
39. Mayer EA, Berman S, Suyenobu B, Labus J, Mandelkern MA, Naliboff B, **Chang L**. Brain responses to visceral pain between male patients with irritable bowel syndrome and ulcerative colitis. **Pain** 115(3):398-409, 2005.
40. Dunckley P, Wise R, Painter D, Brooks J, Tracey I, Aziz Q, **Chang L**. Cortical processing of visceral and somatic stimulation - differentiating pain intensity from unpleasantness. **Neurosci** 133(2):533-42, 2005.
41. Tillisch K, Mayer EA, Labus JS, Stains J, **Chang L**, Naliboff BD. Gender-specific alterations in autonomic function among patients with irritable bowel syndrome. **Gut** 54(10):1396-1401, 2005.
42. Tan S, Tillisch K, Bolus R, Olivas TI, Spiegel B, Naliboff BD, **Chang L**, Mayer EA. Subgrouping of irritable bowel syndrome patients using Traditional Chinese Medicine symptom classification - A pilot study. **Am J Chin Med** 33(3):365-79, 2005.
43. Dunckley P, Wise RG, Fairhurst M, Hobden P, Aziz Q, **Chang L**, Tracey I. A comparison of visceral and somatic pain processing in the human brainstem using fMRI. **J Neurosci** 25(32):7333-41, 2005.
44. Tack J, Müller-Lissner S, Bytzer P, Corinaldesi R, **Chang L**, Viegas A, Dunger-Baldauf C, Rueegg P. A randomised controlled trial assessing the efficacy and safety of repeated tegaserod therapy in women with irritable bowel syndrome with constipation (IBS-C). **Gut** 54(12):1707-13, 2005.
45. Spiegel BMR, Gralnek IM, Bolus R, **Chang L**, Dulai G, Naliboff B, Mayer EA. Is a negative colonoscopy associated with reassurance or improved health-related quality of life in irritable bowel syndrome? **Gastrointest Endosc.** 2005;62(6):892-899.
46. Vakil N, Veldhuyzen van Zanten S, **Chang L**, Whitehead W, Toth G, Sherman J, Fraser M, Cohard-Radice M. Patient comprehension and awareness of dyspepsia. **Aliment Pharmacol Therap**;22(11-12):1147-55, 2005.

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47. **Chang L**, Chey WD, Harris L, Olden K, Surawicz C, Schoenfeld P. Incidence of ischemic colitis and serious complications of constipation among patients using alosetron: Systematic review of clinical trials and post-marketing surveillance data. **Am J Gastroenterol** 101(5):1069-79, 2006.
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49. Naliboff BD, Berman S, Suyenobu B, Labus JS, **Chang L**, Stains J, Mandelkern MA, Mayer EA. Longitudinal changes in perceptual and brain activation responses to visceral stimulation in irritable bowel syndrome patients. **Gastroenterology** 131(2):352-365, 2006.
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51. Labus JS, 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. **Psychosomatic Medicine**;69(1):89-98, 2007.
52. Dunckley P, Aziz Q, Wise RG, Brooks J, Tracey I, **Chang L**. Attentional modulation of visceral and somatic pain. **Neurogastroenterology and Motility**; 19(7):569-77, 2007.

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53. **Chang L**, Kahler KH, Sarawate C, Quimbo R, Kralstein J. Assessment of Potential Risk Factors Associated With Ischemic Colitis. **Neurogastroenterology and Motility**; 20:36-42, 2008.
54. Spiegel BMR, Strickland A, Naliboff BD, Mayer EA, **Chang L**. Predictors of patient-assessed illness severity in irritable bowel syndrome. **American Journal of Gastroenterology** 2008;103(10):2536-43. PMID: PMC2949074.
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58. Drossman DA, **Chang L**, Schneck S, Blackman C, Norton WF, Norton NJ. A focus group assessment of patient perspectives on irritable bowel syndrome and illness severity. **Digestive Diseases and Sciences** 2009;55:1532-1541.
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