Program

13TH ANNUAL CNS BASIC AND TRANSLATIONAL SCIENCE SYMPOSIUM

SEX DIFFERENCES AND THE BRAIN GUT AXIS

Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress
Division of Digestive Diseases, Department of Medicine
David Geffen School of Medicine at UCLA

With the generous support from the UCLA Brain Research Institute, the UCLA Division of Digestive Diseases, the VA Greater Los Angeles Healthcare System/Brentwood Biomedical Research Institute, CURE Foundation, the Gerald Oppenheimer Family Foundation and the Morris A. Hazan Family Foundation

Friday, February 27, 2015
NEUROSCIENCE RESEARCH BUILDING AUDITORIUM (NRB 132)

8:30 am – 8:45 am  INTRODUCTION

Symposium Chairs: Claudia Sanmiguel, MD (Director, Ingestive Behavior and Obesity Program - Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress Division of Digestive Diseases, David Geffen School of Medicine at UCLA) and Million Mulugeta, DVM, PhD (Professor, Division of Digestive Diseases, Department of Medicine, David Geffen School of Medicine at UCLA)

Judy Gasson, PhD
Senior Associate Dean for Research
David Geffen School of Medicine, UCLA

Frank Hamilton, MD, MPH
Chief, Digestive Diseases Program, Division of Digestive Diseases & Nutrition
National Institute of Diabetes and Digestive and Kidney Diseases

8:45 am – 9:00 am  STATE OF THE CENTER
Emeran Mayer, MD, PhD
Director, Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress; Co-Director, CURE: Digestive Diseases Research Center; Division of Digestive Diseases, David Geffen School of Medicine at UCLA

SESSION I

Session Chairs: Lisa Kilpatrick, PhD (Assistant Researcher, Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress, Division of Digestive Diseases, David Geffen School of Medicine at UCLA) and Muriel Larauche, PhD (Assistant Researcher, Division of Digestive Diseases, David Geffen School of Medicine at UCLA)
9:00 am – 10:20 am  RESEARCH PROGRAMS OF THE CENTER
(Program highlights and future direction: each 10 minutes + 5 minutes Q&A)

SCOR SPECIALIZED CENTER FOR NEUROVISCERAL SCIENCES AND WOMEN'S HEALTH & ENTERIC NEUROSCIENCE PROGRAM  Emeran Mayer, MD, PhD

FUNCTIONAL GI DISORDERS PROGRAM  Lin Chang, MD

INGESTIVE BEHAVIOR AND OBESITY RESEARCH PROGRAM  Claudia Sanmiguel, MD

PAIN RESEARCH PROGRAM  Bruce Naliboff, PhD

MIND BODY RESEARCH PROGRAM  Kirsten Tillisch, MD

10:20 am – 10:35 am  COFFEE BREAK

SESSION II
Session Chairs: Paul Micevych, PhD (Professor, Surgery, Neurobiology, David Geffen School of Medicine at UCLA) and Bruce Naliboff, PhD (Director, Pain Research Program - Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress Division of Digestive Diseases, David Geffen School of Medicine at UCLA)

10:35 am – 12:00 pm  DATA BLITZ – RESEARCH HIGHLIGHTS
(6 presentations, each 8 minutes + 5 minutes discussion)

Neonatal Stress from Limited Bedding Elicits Visceral Hyperalgesia and Functional Brain Reorganization in Adult Rats
Zhuo Wang, PhD
Assistant Professor of Research, Department of Psychiatry & Behavioral Sciences, Keck School of Medicine, USC

Role of Sex Hormones and Sex Chromosomes in Mechanically-Induced Visceral Hyperalgesia in Mice
Muriel Larauche, PhD

Sex Differences in Anatomical Connectivity Networks Associated with Obesity
Arpana Gupta, PhD
Post-Doctoral Scholar, Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress, Division of Digestive Diseases, David Geffen School of Medicine at UCLA

IBD-Associated Changes in Mesenteric Fat and Their Effects on Experimental Colitis
Iordanis Karagiannidis, PhD
Assistant Professor, Division of Digestive Diseases, Department of Medicine, David Geffen School of Medicine at UCLA

Sex Differences in Dysregulation Hypothalamic-Pituitary-Adrenal (HPA) Axis Associated with Irritable Bowel Syndrome and Early Adverse Life Events
Elizabeth Videlock, MD
Gastroenterology Fellow, Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress, Division of Digestive Diseases, David Geffen School of Medicine at UCLA
Unraveling a Brain Interface between Skeletal Muscle Function and the Viscera in Humans

Jason Kutch, PhD
Assistant Professor, Division of Biokinesiology and Physical Therapy, USC; Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress, UCLA

12:00 pm – 1:30 pm  LUNCH AND POSTER SESSION

SESSION III

Session Chairs: Lin Chang, MD (Director, Functional GI Disorders Program - Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress Division of Digestive Diseases, David Geffen School of Medicine at UCLA) and Kirsten Tillisch, MD (Director, Mind Body Research Program - Gail and Gerald Oppenheimer Family Center for Neurobiology of Stress Division of Digestive Diseases, David Geffen School of Medicine at UCLA)

1:30 pm – 3:45 pm  STATE OF THE ART LECTURES
(Each 25 minutes + 5 minutes discussion)

Sex Biased Cell Signaling
Rita Valentino, PhD
Research Professor of Anesthesiology and Critical Care, Children's Hospital of Philadelphia

Sex Differences in the Genetic and Cellular Mediation of Pain and Analgesia
Jeffrey Mogil, PhD
Professor, Department of Psychology and Alan Edwards Centre for Research on Pain, McGill University

Gender Differences In the Relationship Between Stress and Addictions: Clinical Correlates
Kathleen Brady, MD, PhD
Distinguished University Professor; Associate Provost, Clinical and Translational Research Director, South Carolina Clinical and Translational Research Institute

Neuroimmune Interactions in Stress
John Sheridan, PhD
Professor, Division of Biosciences; Associate Director, Institute for Behavioral Medicine Research, Ohio State University

3:45 pm – 3:55pm  POSTER AWARD
Joseph Pisegna, MD
Chief, Division of Gastroenterology and Hepatology, VA Greater Los Angeles Healthcare System; Professor of Medicine, Division of Digestive Diseases, David Geffen School of Medicine at UCLA

3:55 pm – 4:00 pm  CLOSING COMMENTS
Yvette Taché, PhD
Director, CURE: Animal Models Core; Professor, Division of Digestive Diseases, David Geffen School of Medicine at UCLA

4:00 pm  END OF SYMPOSIUM