

FIFTH ANNUAL GERALD J. FRIEDMAN FELLOWS SYMPOSIUM

Nutrition, Diabetes and Human Health

Hosted by

**Gerald J. Friedman Diabetes Institute
Division of Endocrinology and Metabolism**

Beth Israel Medical Center, Albert Einstein College of Medicine, New York, NY

Division of Endocrinology, Diabetes and Metabolism

Tufts Medical Center, Boston, Massachusetts

**Gerald J. and Dorothy R. Friedman
School of Nutrition Science and Policy**

Tufts University, Boston, Massachusetts

Sponsored by the Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research



Gerald J. and Dorothy R.
Friedman School of
Nutrition Science and Policy

DATE: November 17, 2012

TIME: 8:00 am – 5:30 pm

LOCATION: The Crosby Street Hotel
79 Crosby Street
New York, NY 10012

CONFERENCE CO-CHAIRS

Robin Kanarek, Ph.D.

Dean, Gerald J. and Dorothy R. Friedman
School of Nutrition Science and Policy
Tufts University

Ronald Lechan, M.D., Ph.D.

Chief, Division of Endocrinology, Diabetes and Metabolism
Tufts Medical Center
Professor of Medicine
Tufts University School of Medicine

Leonid Poretsky, M.D.

Chief, Division of Endocrinology and Metabolism
Director, Gerald J. Friedman Diabetes Institute
Gerald J. Friedman Chair in Endocrinology
Beth Israel Medical Center
Professor of Medicine
Albert Einstein College of Medicine

PROGRAM

Time	Topic	Presented by
8:00 – 9:00 am	Fellows and Mentors buffet breakfast	
9:00 – 9:15 am	Greetings	Leonid Poretsky, M.D., Ronald Lechan, M.D., and Robin Kanarek, Ph.D.
Plenary Lectures		
9:15 – 9:45 am	<i>A multi-sector systems approach to obesity</i>	Christina Economos, Ph.D.
9:45 – 10:15 am	<i>Advanced Glycation End-products (AGEs) and diabetes: A paradigm shift and a solution</i>	Helen Vlassara, M.D.
Presentations		
10:15 – 10:45 am	<i>Vitamin D for diabetes, to D or not to D</i>	Anastassios Pittas, M.D.
10:45 – 11:15 am	<i>The effect of weight loss in obesity on core body temperature and brown adipose tissue activity</i>	Lisa Neff, M.D.
11:15 – 11:30 am	Break	
11:30 am – 12:00 pm	<i>Update on the role of vitamin D in skeletal muscle tissue and function</i>	Lisa Ceglia, M.D.
12:00 – 12:20 pm	<i>Epidermal growth factor receptor (EGFR) as a therapeutic target for Cushing's disease: generating transgenic mice</i>	Takako Araki, M.D.
12:20 – 12:40 pm	<i>Advanced glycation end products in diabetic kidney disease</i>	Grishma Parikh, M.D.
12:40 – 1:45 pm	Lunch	
Presentations, continued		
1:45 – 2:00 pm	<i>Developing an evidence- based self-study diabetes curriculum for internal medicine residents</i>	Rene Amori, M.D.
2:00 – 2:15 pm	<i>Do unconditional cash transfers improve nutritional status? Evidence from Niger</i>	Marc Nene, M.D.
2:15 – 2:30 pm	<i>Measuring price differentials in food retailing</i>	Joseph Llobrera, MA
2:30 – 2:45 pm	<i>The use of technology in diabetes</i>	Nuha El Sayed, M.D.
2:45 – 3:00 pm	<i>HDL deficiency and Apo A-1 mutations</i>	Esther Lee, M.D.
3:00 – 3:15 pm	<i>All the tea in China: modeling crop production in a changing climate</i>	Rebecca Nemeec, M.S.
3:15 – 3:30 pm	<i>Bicycle innovations: Designing farm implements for small farmers</i>	Mario Varon, B.S.
3:30 – 3:45 pm	<i>Targeting and safety monitoring for Low Intensity Focused Ultrasound Pulse (LIFUP) in the first human trials</i>	Alex Korb, Ph.D.
3:45 – 4:00 pm	Break	
4:00 – 4:15 pm	<i>Challenges of sustainability measurement in the Title II Food Aid Program in Bolivia</i>	Johanna Y. Andrews Chavez, MMS
4:15 – 4:30 pm	<i>Regional food hubs: Assessing community impacts</i>	Nicole Tichenor, MS
4:30 – 4:45 pm	<i>Summary of saga of focused ultrasound (FUS) neuromodulation</i>	Seung-Schik Yoo, Ph.D.
4:45 – 5:00 pm	<i>Focused ultrasound as an investigational tool in kidney</i>	Krisztina Fischer, M.D., Ph.D.
5:00 – 5:15 pm	<i>Access to health food on the Navajo Nation: results from a community food assessment</i>	Emily Piltch, MPH
5:15 – 5:30 pm	Closing Remarks	
5:30 pm	Adjournment	

PARTICIPANTS

FELLOWS

Rene Amori, M.D.	Clinical Endocrinologist Assistant Professor of Medicine Drexel University College of Medicine, Philadelphia, PA Friedman Fellow 2005-2007, Tufts Medical Center, Boston, MA
Johanna Y. Andrews Chavez, M.M.S.	Ph.D. Candidate and Friedman Fellow 2011-Present, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Takako Araki, M.D.	Project Scientist Cedars Sinai Medical Center, Los Angeles, CA Friedman Fellow 2008-2009, Friedman Diabetes Institute Beth Israel Medical Center, New York, NY
Lisa Ceglia, M.D.	Director, Bone Clinic, Tufts Medical Center, Assistant Professor of Medicine, Tufts University, Boston, MA Friedman Fellow 2004-2006, Tufts Medical Center, Boston, MA
Nuha El Sayed, M.D.	Attending Endocrinologist, Joslin Diabetes Center, Instructor in Medicine, Harvard Medical School, Boston, MA Friedman Fellow 2007-2009, Tufts Medical Center, Boston, MA
Krisztina Fischer, M.D., Ph.D.	Instructor in Radiology, Focused Ultrasound Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, MA Friedman Fellow 2009-2010, Brigham and Women's Hospital, Harvard Medical School, Boston, MA
Alexander S. Korb, Ph.D.	Postdoctoral Scholar and Friedman Fellow 2011-2012, University of California, Los Angeles, CA
Esther Y. Lee, M.D.	Attending Endocrinologist Jordan Hospital, Plymouth, MA Friedman Fellow 2010-2012, Tufts Medical Center, Boston, MA
Joseph T. Llobrera, M.A.	Ph.D. Candidate and Friedman Fellow 2007-Present, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Lisa Neff, M.D.	Assistant Professor of Medicine, Northwestern University Division of Endocrinology, Metabolism and Molecular Medicine Northwestern Comprehensive Center on Obesity, Chicago, IL Friedman Fellow 2003-2006, Tufts Medical Center, Boston, MA
Rebecca Nemecek, M.S.	Ph.D. Candidate and Friedman Fellow 2012-Present, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Marc Nene, M.D.	Ph.D. Candidate and Friedman Fellow 2011-Present Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA

Grishma Parikh, M.D.	Clinical Instructor, Division of Endocrinology, Diabetes and Bone Disease Mount Sinai School of Medicine, New York, NY Friedman Fellow 2007-2008, Friedman Diabetes Institute Beth Israel Medical Center, New York, NY
Emily Piltch, M.P.H.	Ph.D. Candidate and Friedman Fellow 2011-Present Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Anastassios G. Pittas, M.D.	Associate Professor of Medicine Associate Director, Fellowship Program in Endocrinology, Diabetes and Metabolism Co-Director, Diabetes Center Friedman Fellow in Diabetes and Metabolism 2000-2002 Tufts Medical Center, Boston, MA
Nicole Tichenor, M.S.	Ph.D. Candidate and Friedman Fellow 2012-Present Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA

GUEST PRESENTER

Mario Varon, B.S.	Fellow 2011-2012 Design Impact, Cincinnati, Ohio and National Innovation Foundation, Ahmedabad, India
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ATTENDING BUT NOT PRESENTING

David C. Gajzer, M.D.	Post-Doctoral Fellow, Hematology/Oncology Mount Sinai Medical Center, New York, NY Friedman Fellow 2009-2010, Friedman Diabetes Institute Beth Israel Medical Center, New York, NY
Florence L. Solages, M.D.	Private Practice, Plantation, Florida Friedman Fellow 2002-2004, Tufts Medical Center, Boston, MA
Pauline Suwandhi, M.D.	Fellow in Geriatrics Montefiore Medical Center, New York, NY Friedman Fellow 2010-2011, Friedman Diabetes Institute Beth Israel Medical Center, New York, NY
Vorawan Ummaritchot, M.D.	Friedman Fellow 2012 – 2014 Tufts Medical Center, Boston, MA

FACULTY/MENTORS

Gerald Bernstein, M.D.	Director, Diabetes Management Program, Gerald J. Friedman Diabetes Institute, Beth Israel Medical Center Associate Clinical Professor of Medicine, Albert Einstein College of Medicine, New York, NY
Alexander Bystritsky, M.D.	Professor of Psychiatry, UCLA Medical Center, Los Angeles, CA
Sean Cash, Ph.D.	Associate Professor, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Christina Economos, Ph.D.	Associate Director, John Hancock Research Center on Physical Activity, Nutrition, and Obesity Prevention Associate Professor, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy and the School of Medicine, Tufts University, Boston, MA
Timothy S. Griffin, Ph.D.	Director, Agriculture Food and Environment Program Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
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Leonid Poretsky, M.D.	Chief, Division of Endocrinology and Metabolism Director, Gerald J. Friedman Diabetes Institute Gerald J. Friedman Chair in Endocrinology Beth Israel Medical Center Professor of Medicine, Albert Einstein College of Medicine New York, NY
Beatrice Rogers, Ph.D.	Director, Food Policy and Applied Nutrition Program, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
Donna Seto-Young, Ph.D.	Director, Endocrine Research Laboratory Beth Israel Medical Center Associate Professor of Medicine, Albert Einstein College of Medicine, New York, NY
Seung-Schik Yoo, Ph.D.	Associate Professor of Radiology Brigham and Women's Hospital, Harvard Medical School, Boston, MA
Jerome Tolbert, M.D., Ph.D.	Medical Director, Outreach Program Friedman Diabetes Institute, Beth Israel Medical Center, New York, NY
Helen Vlassara, M.D.	Professor of Geriatrics and Palliative Medicine, Experimental Diabetes and Aging, Mount Sinai School of Medicine New York, NY

