NINTH ANNUAL
GERALD J. FRIEDMAN
FELLOWS SYMPOSIUM

Nutrition, Diabetes, and Human Health

Saturday, June 11, 2016 | 6:00-9:00 pm
Sheraton New Orleans Hotel
500 Canal Street
New Orleans LA 70130

Hosted by:

Gerald J. Friedman Diabetes Initiative
Division of Endocrinology and Metabolism
Lenox Hill Hospital, Northwell Health, 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
The Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research is a non-profit, charitable organization dedicated to empowering scientists and clinicians focused on improving health and curing disease. It was established by Gerald J. Friedman, M.D., a lifelong New Yorker who earned his Bachelor’s and medical degrees from New York University, and returned there to teach as full professor of medicine for most of his career. After serving as commanding officer of the 222nd Station Hospital in World War II, he joined the staff of Beth Israel Medical Center in New York City, where he stayed until 1993, holding many key positions: Chief of the Gerald J. Friedman Medical Intensive Care Unit, Chief of Diabetes and Metabolism, Chief of Metabolism and Endocrinology, and President of the Center’s medical board. For more than 30 years, beginning in 1957, he served as the International Medical Director for United Parcel Service.

He embraced this position as he did all challenges in his life with enthusiasm and eagerness to learn as much as he could. He wrote extensively on the management of diabetes, especially in the workplace at a time when many employers discriminated against people with this disease. In addition to being a superb diagnostician, internist, specialist in diabetes, cardiac disease, endocrinology and nutrition, he was active in a variety of related positions, holding top offices in the New York State Society of Industrial Medicine, the New York Occupational Medicine Association, the Industrial Medical Association and the Occupational Health Institute.

Dr. Friedman had a career-long interest in diabetes and held almost every post that existed in the New York Diabetes Association. Together with his wife Dorothy, a Boston-born pianist and recording artist, he helped to create the first summer camp for children with diabetes. Mrs. Friedman also became an active volunteer for Beth Israel Medical Center and the New York Diabetes Association.

For over a decade, the Foundation has generously supported advances in patient care, research and education at select institutions around the country including Beth Israel Hospital NYC where the foundation established the Friedman Diabetes Institute, the Gerald J. Friedman Center for Lymphedema Research and Treatment, along with Chairs in Endocrinology, Radiation Oncology, and Pain and Palliative Care. In 2014, the Friedman Diabetes Institute moved to Lenox Hill Hospital, in Manhattan’s Upper East Side.

The Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy at Tufts University bears Dr. Friedman’s name along with the Gerald J. and Dorothy R. Friedman Program in Diabetes and Metabolism and a Chair in Nephrology at Tufts Medical Center. The Foundation established a Chair in Alzheimer’s disease at NYU Hospital, The Ian Copeland Musicians Fund for Melanoma Screening at UCLA’s Jonsson Comprehensive Cancer Center and has supported programs in diabetes at UCLA, Mount Sinai Hospital NYC, and Siouxland Medical Education Foundation, as well as brain studies at University of California and Harvard Medical School. Since the inception of these programs, the Foundation has supported training of 49 fellows and graduate students who have carried forward Dr. Friedman’s legacy of dedication and devotion to the health and wellbeing of patients with diabetes, metabolic disease and nutritional disorders through clinical practice, policy change, and the advancement of knowledge through research and education.
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<td>6:00 – 6:50</td>
<td><strong>Poster session</strong></td>
<td>Friedman Fellows</td>
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<td>Sheraton New Orleans Hotel</td>
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<td>6:50 – 7:00</td>
<td><strong>Welcome – Introductory remarks</strong></td>
<td>Ronald Lechan, MD, PhD</td>
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<td>Sheraton New Orleans Hotel</td>
<td>Dariush Mozaffarian, MD, DrPH</td>
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<td>Leonid Poretsky, MD</td>
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<td>7:00 – 8:30</td>
<td><strong>Lecture and dinner</strong></td>
<td>Jesse Roth, MD</td>
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<td><em>Unveiling the new (brighter) face of metabolic syndrome</em></td>
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<td>8:30 – 9:00</td>
<td><strong>Concluding remarks</strong></td>
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<td>8:30 – 9:00</td>
<td><strong>Adjournment</strong></td>
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**Jesse Roth** is an Investigator and Head, Laboratory of Diabetes and Diabetes-Related Disorders, Feinstein Institute for Medical Research, Northwell Health System; Professor, Elmezzi Graduate School of Molecular Medicine; Professor of Medicine, Hofstra Northwell School of Medicine. Dr. Roth began his research career with Sol Berson and Nobel laureate Ros Yalow at the Bronx VA followed by a 26-year term at NIH’s Diabetes Institute, as Branch Chief and as Scientific Director. His research has garnered many awards, including multiple ones from the Endocrine Society and from the American Diabetes Association. He has trained many outstanding investigators who contributed immensely to our knowledge about molecular mechanisms of insulin action, glucose metabolism, metabolic syndrome and diabetes.
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>&quot;Molds attack rice – but we don’t know what to do.&quot; A qualitative study of farming families’ perceptions of food safety in Banke, Nepal</td>
<td>Johanna Andrews-Chavez, M.Sc, Shibani Ghosh, PhD, Beatrice L. Rogers, PhD, Gerald Shively, PhD, Kedar Baral, MD, Patrick Webb, PhD</td>
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<tr>
<td>Influence of alkali supplementation on circulating microRNA expression</td>
<td>Lee Margolis, BS, MS, Lisa Ceglia, MD, Donato Ricci, PhD, Roger Fielding, PhD, Bess Dawson-Hughes, MD</td>
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<td>The use of the flipped classroom method in a one-year blended learning certificate program in diabetes.</td>
<td>Nuha El Sayed, MD, Dalia Badawi, PharmD, Hilal Al Sayed, MD, Kazem Behbehani, PhD, OBE, Antoine Kaldany, MD</td>
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<td>The effects of irisin in reproductive system – Update 2016</td>
<td>Julie R. Islam, MD, Yu Kuei Lin, MD, Sandy Shen MD, Yael Hirth, Donna Seto-Young, PhD, Martin Lesser, PhD, Zev Reznikovs, MD, Leonid Poretsky, MD</td>
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<td>Pheochromocytoma-related cardiomyopathy: A case series</td>
<td>Iqra Javeed, MD, Michael E. Tarnoff, MD, Ronald M. Lechan, MD, PhD</td>
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<td>An unusual case of Graves’ disease coexisting with struma ovarii</td>
<td>Iqra Javeed, MD, Amin Sabet, MD, Jacqueline Kung, MD</td>
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<td>Impact of male out-migration on the ‘left-behind’: Case study of Maulali, Far West Nepal</td>
<td>Jeeyon Janet Kim, MSPH</td>
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<td>Focused ultrasound neuromodulation in humans</td>
<td>Alexander S. Korb, PhD, Alexander Bystritsky, MD</td>
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<td>One house, two heads: The role of gender at the agriculture-nutrition nexus</td>
<td>Marion S. Min-Barron, MS, MPH</td>
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<td>The District Assessment Tool For Anemia (DATA) is useful for anemia programming</td>
<td>Denish Moorthy, MS, Teenar Fisseha, MPH, Danya Sarkar, MHS, Sorrel Namaste, DrPH, MHS</td>
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<td>Measuring human brown adipose tissue volume and activity by quantitative and functional MRI</td>
<td>Jie Deng, PhD, Lisa M Neff, MD, MS, Richard Shore, MD, Jonathan Samet, MD, Christina L Sammet, PhD, Paige Nelson, BA, Jennifer Lewandowski, MS, RD, Karen Rychlik, MS, Lewis Landsberg, MD</td>
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<tr>
<td>Agricultural commercialization and diets in Far Western Nepal</td>
<td>Corey O’Hara, MS</td>
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<td>Navajo Nation store owner, farmer and consumer perspectives on produce availability at small rural stores</td>
<td>Emily Piltch, MPH, Timothy Griffin, PhD, Sonya Shin, MD, Robert F. Houser, PhD</td>
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<td>To D or not to D? Design and rationale of the vitamin D and type 2 diabetes (D2d) study</td>
<td>Anastassios Pittas, MD, MS</td>
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<td>Vitamin D status of black and white Americans and changes in vitamin D metabolites after varied doses of vitamin D supplementation</td>
<td>Anastassios Pittas, MD, MS</td>
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<td>Paternal migration and child nutrition in Nepal</td>
<td>Akriti Singh, MPH, Robert Houser, PhD, Kenda Cunningham, PhD, Shibani Ghosh, PhD, Patrick Webb, PhD</td>
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<td>Directly observed therapy for treatment of hypothyroidism</td>
<td>Scott Sperling, MD, Jacqueline Kung, MD</td>
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<td>Variable proopiomelanocortin (POMC) expression in tanycytes and tanycyte-like cells of the adult rat hypothalamus and infundibular stalk</td>
<td>Gabor Wittmann, PhD, Erzsébet Farkas, MS, Csaba Fekete, MD, PhD, Ronald M. Lechan, MD, PhD</td>
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<td>Participants: Fellows</td>
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| **Anam Akmal, MD** | Providence Medical Group, Olympia, WA  
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<table>
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<td><strong>Emily Piltch, MPH, PhD</strong></td>
<td>Doctoral Candidate, Friedman Fellow 2011–2012, Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA</td>
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### Guest Presenters

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<tr>
<th>2012 Symposium</th>
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<tr>
<td>Mario Varon, BS Design for Poverty Alleviation</td>
<td>Vanessa Sy-Po, MD Friedman Diabetes Institute / Mount Sinai Beth Isral</td>
<td>Yvonne C. Fierz, MD Mount Sinai Medical Center</td>
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<td>Byoung-Kyong Min, PhD Harvard Medical School</td>
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### Notes