

July 2017

CURRICULUM VITAE

Richard Nathan Bergman, Ph.D.

A. PERSONAL INFORMATION

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| Business Address | The Alfred Jay Firestein Chair of Diabetes Research Professor, Department of Biomedical Sciences, Cedars-Sinai Director, Sports Spectacular Diabetes and Obesity Research Institute at Cedars- Sinai Professor-in-Residence, University of California, Los Angeles 8700 Beverly Blvd., THAL E104 Los Angeles, CA 90048 |
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| Home Address | 9233 Burton Way, Apt 304 Beverly Hills, CA 90210 |
| Home Phone | (424) 777-0957 |
| Place of Birth | Chicago, Illinois |
| Citizenship | U.S.A. |
| Marital Status | Married, June 1968 |
| Wife's Name | Ronni Gordon Bergman |
| Number of Children | Two Douglas R. Bergman, Ph.D. Elizabeth Gordon Rahamim, MSW |
| Grandchildren | Five |

B. EDUCATION

College or University

Case Institute of Technology
Cleveland, Ohio
B.S.E. (Biomedical Eng.), 1965

University of Pittsburgh
Pittsburgh, Pennsylvania
Ph.D. (Physiology), 1971

C. PROFESSIONAL BACKGROUND

Academic Appointments

Jan 2017-

Director, Sports Spectacular Diabetes and Obesity Research Institute at Cedars-Sinai, Los Angeles, CA

April 2013-

Professor-in-Residence, Department of Medicine, University of California, Los Angeles (UCLA), Los Angeles, CA

Aug 2011-

The Alfred Jay Firestein Chair of Diabetes Research, Professor, Department of Biomedical Sciences, and Director, Diabetes and Obesity Research Institute, Cedars-Sinai, Los Angeles, CA

July 2011

Professor Emeritus, Keck School of Medicine, University of Southern California (USC), Los Angeles, CA

July 1994-June 2011

Keck Professor of Medicine, and Chair, Department of Physiology and Biophysics, and Professor of Medicine and Biomedical Engineering, Keck School of Medicine, University of Southern California (USC), Los Angeles, CA

1980-July 2011

Professor of Physiology and Biophysics, Medicine, & Biomedical Engineering, University of Southern California (USC), Los Angeles, CA

1980-1990

Salerni Collegium Professor, University of Southern California (USC), Los Angeles, CA

Sept 1989-Aug 1990

Sabbatical Leave, National Institutes of Health (NIH), Phoenix, AZ

1976-1980

Associate Professor, Biomedical Engineering, Northwestern University, Chicago, IL

1971-1975

Instructor/Assistant/Associate Professor, Biomedical Engineering, University of Southern California (USC), Los Angeles, CA

1965-1970

Predoctoral Trainee, Physiology, University of Pittsburgh School of Medicine, Pittsburgh, PA

D. HONORS AND AWARDS

2017 “Distinguished Leader in Insulin Resistance”, International Committee for Insulin Resistance (ICIR), 2017

Banting Medal for Scientific Achievement, American Diabetes Assn. (ADA), June 2006

Albert Renold Award for Diabetes Leadership and Mentoring, American Diabetes Assn. (ADA), June 2015

Naomi Berrie Award, Columbia University Medical Center, Nov 2009

National Institutes of Health (NIH) Merit Award, 2007-2017

TOPS Research Achievement Award, N. American Assoc. for the Study of Obesity (NAASO), July 2004

Man of Distinction Lifetime Achievement Award, American Diabetes Assn. (ADA), Los Angeles Chapter, April 2004

Joseph Globus Award, Mount Sinai School of Medicine, 2003

Lilly Award for Outstanding Scientific Achievement, American Diabetes Assn. (ADA), 1989

Highly Cited Researchers (Category: Molecular Biology & Genetics), Thomson Reuters, 2016

Alexander Marble Lecturer on Diabetes, Joslin Diabetes Center, May 2016

“The World’s Most Influential Scientific Minds 2014”, Highly Cited Researchers (Category: Molecular Biology & Genetics), Thomson Reuters, 2014

Taft Diabetes Lecturer, Brody School of Medicine at East Carolina University, Oct 2012

Kroc Foundation Lecturer, Baylor College of Medicine, March 2010

Solomon Berson Lecturer (Endowed), Federation of American Societies for Experimental Biology (FASEB) Meeting, April 2006

University of Southern California (USC) Mellon Award for Excellence in Mentoring, April 2005

Fellow, N. American Assoc. for the Study of Obesity (NAASO), July 2004

Novo-Nordisk Lectureship (Endowed), McGill University, April 2004

Asa Rothstein Lecturer, Toronto Hospital for Sick Children, 2002

Irving Schwartz Professorship (Endowed), Mount Sinai School of Medicine, 2000

Robert H Williams-Rachmiel Levine Award for science, mentorship and humanitarianism, Western Metabolism Club, 2000

External Assessor, University of the West Indies

Plenary Speaker, Japanese Diabetes Society, 1998

Mosenthal Lecturer (Endowed), New York Diabetes Assn., 1998

American Diabetes Assn. (ADA) Volunteer of the Year Award, 1996

University of Southern California (USC) Associates Award for Research Creativity and Scholarship, 1995

American Diabetes Assn. (ADA) California Affiliate Outstanding Research Award, 1993-94

University of Southern California (USC) Salerni Collegium Professorship, 1989-1994

Case Institute of Technology Alumni Scholar, 1965

E. **RECENT ADMINISTRATIVE AND REVIEW DUTIES** (*partial list*)

State, National and International

Editor-in-Chief, Obesity (a Research Journal), 2007-12

Member, Programme Organising Committee, 19th European Congress of Endocrinology (ECE 2017, to be held in Lisbon, Portugal, May 20-23, 2017), Feb 2016-

Reviewer, Michigan Metabolomics and Obesity Center (MMOC) Pilot/Feasibility Grant, July 2015

Reviewer, 2015 Boston Area Diabetes Endocrinology Research Center (BADERC) Pilot and Feasibility Grant (8SB), Feb 2015

Reviewer, The Sir Jules Thorn Award for Biomedical Research, The Sir Jules Thorn Charitable Trust, July 2014

Regional Editor, Current Diabetes Reviews, June 2014-present

Reviewer, National Institutes of Health (NIH) Endocrinology, Metabolism, Nutrition and Reproductive Sciences (EMNR) Special Emphasis Panel, 2014/05 ZRG1 EMNR-R (02) M, Mar 2014

Chair, Sanofi Mock Food and Drug Administration Endocrinologic and Metabolic Drugs Advisory Committee (EMDAC) Meeting, Aug 2013

Reviewer, Israel Science Foundation (ISF) Research Proposal, Aug 2013

Reviewer, American Diabetes Assn. (ADA) “Pathway to Stop Diabetes” Mentor Advisory Group, July 2013-July 2017

Reviewer, National Institutes of Health (NIH) Endocrinology, Metabolism, Nutrition and Reproductive Sciences (EMNR) Special Emphasis Panel, 2013/05 ZRG1 EMNR-E (02), Mar 2013

Reviewer, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Conference Grant Application, Feb 2013

Reviewer, Juvenile Diabetes Foundation (JDRF) “Biomarkers of Pancreatic Beta Cell Stress and Health” Research Proposals, 2013

Reviewer, Medical Research Council (MRC) Population & Systems Medicine Board (PSMB) Research Proposal, Nov 2012

Reviewer, National Institutes of Health (NIH) Director's New Innovator Award Program, 2012

Member, Publications Board, Obesity (a Research Journal), 2007-12

Member, Foundation for the National Institutes of Health (FNIH) Beta Cell Working Group, The Biomarkers Consortium, Sept 2009-

Member, American Diabetes Assn. (ADA) 70th Scientific Sessions Planning Subcommittee, Aug 2009

Member, Editorial Board, Current Diabetes Reviews, Jan 2008-Sept 2014

Member, Diabetes Strategic Planning Committee Working Group 6: Bioengineering Approaches to Improve Management of Glycemia, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Dec 2008-2011

Member, Scientific Advisory Committee, Boston Obesity Nutrition Research Center, 2007-2009

President, Association of Chairs of Departments of Physiology (ACDP), 2006-07

Member, VICTORIA Study Steering Committee, Sanofi-Aventis, 2005-09

Member, Sanofi-Aventis Cardiometabolic Advisory Board, 2005-09

Member, AdipoGenix Advisory Board, Aug 2005- Aug 2008

Councillor, N. American Assoc. for the Study of Obesity (NAASO) Panel for NAASO/ADA, 2005-06

Chair, Scientific Advisory Board, Tethys Biotechnology, 2005

Member, Amylin Beta-Cell Advisory Board, 2005

Member, External Advisory Board, Northwestern University Specialized Center of Research (SCOR) on Sex and Gender Factors Affecting Women's Health, 2004-

Councillor, The Obesity Society (TOS), 2004-07

President-Elect, Association of Chairs of Departments of Physiology (ACDP), 2004-06

Member, Advisory Board, Case Western Reserve University Center for Modeling Integrated Metabolic Systems (MIMS), 2004-06

Member, California Scientist of the Year Committee, California Science Center, 2004

Member, Scientific Advisory Board, Univ. of Virginia Cardiovascular Advisory Board, 2003-05

Chair, Program Committee, N. American Assoc. for the Study of Obesity (NAASO), 2003

Consultant on “sleep apnea”, Department of Medicine, Division of Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine, 2003

Member, Task Force on Merger of Obesity Organizations, 2003

Member, American Diabetes Assn. (ADA) Advisory Panel, Atypical Antipsychotics, 2003

Member, American Diabetes Assn. (ADA) Advisory Panel, Fat Metabolism, 2003

Member, Scientific Advisory Board, National Cooperative Program for Infertility Research (NCPIR), 2002-04

Member, Council, Association of Chairs of Departments of Physiology (ACDP), 2001-04

Member, Organizing Committee, International Insulin Resistance Meeting, Florida, 2001-03

Member, Training Study Section, Juvenile Diabetes Research Foundation (JDRF), 2000-03

Member, American Diabetes Assn. (ADA) National Scientific & Medical Meetings Oversight Committee, 2000-02

Member, Endocrine Society Program Committee, 2000-02

Member, Advisory Committee to the Food and Drug Administration (FDA) Research Program, Pennington Biomedical Research Center, 2000

Member, Scientific Advisory Board, Baylor Pediatric Nutrition Center, 1999-2003

Member, American Diabetes Assn. (ADA) Research Advisory Panel, 1999

External Promotion Assessor, University of West Indies, 1999

Chair, Scientific Advisory Board, Islet Sheet Corporation, 1998-2002

Member, Scientific Advisory Board, Genteric Corporation, 1998-2002

Member, American Diabetes Assn. (ADA) Program Committee, 1998-2000

Member, Advisory Board, Biomedical Engineering Center, University of Washington, 1997-98

Full Member, Metabolism Study Section, National Institutes of Health (NIH), Oct 1995-Sept 2000

President, American Diabetes Assn. (ADA), Los Angeles Chapter, 1995-96

Board Member, California Biomedical Research Foundation, 1994-97

Member, Advisory Board, Los Angeles Museum of Science and Industry, 1994-96

President-Elect, American Diabetes Assn. (ADA), Los Angeles Chapter, 1994-95

Member, Council of American Physiological Society (APS), 1992-95

Member, National Institutes of Health (NIH) Special Study Section for Computational Biology, 1992

Member, National Institutes of Health (NIH) Study Section for Review of Diabetes Research & Training Centers, 1992

Member, National Institutes of Health (NIH) Reviewers' Reserve, 1991-95

Member, Steering Committee, Insulin Resistance and Cardiovascular Disease Population Study, 1991-95

Board Member, American Diabetes Assn. (ADA), California Affiliate, 1991-93, 1994-97

Reviewer, Veterans Administration and Medical Research Council of Canada (MRC), British Columbia Grants Program, 1991-92

Reviewer, Australian National Health and Medical Research Council (NHMRC), 1991

External Reviewer, University of Toronto Ph.D. Program Review, 1991

Intramural Reviewer, Division of Computer Resources and Technology (intramural), National Institutes of Health (NIH), July 1991

Member, Scientific Advisory Board, Wisconsin Regional Primate Center, 1990-95, 1998-2000

Member, American Diabetes Assn. (ADA) National Research Policy Committee, 1990-91, 2005-06

Intramural Reviewer, National Institutes of Health (NIH) Program in Theoretical Biology (intramural), Dec. 1990

Board Member, American Diabetes Assn. (ADA), Los Angeles Chapter, 1989-93, 1994-2009

External Scientific Evaluator, National Institutes of Health (NIH), Phoenix, 1989-90

Member, Diabetes Review Advisory Group, Novo-Nordisk Corporation, 1988-93, 1997-2003

Member, National Diabetes Advisory Board Task Force on Information Transfer, 1988

Member, American Diabetes Assn. (ADA) National Research Committee, 1987-90

Organizer, Flathead Lake (Montana) Symposium on Modeling of Metabolic Processes, 1987

Member, ad hoc Study Section, National Research Council of Canada (NRC), 1987

Founder and Chair, Southern California Diabetes Symposia, 1985-88, 1990

Chair, American Diabetes Assn. (ADA) Research Committee, Southern California Affiliate, 1985-87; Committee Member, 1983-87

Consultant, National Diabetes Advisory Board, 1985

Reviewer, U.S. Congress Office of Technological Assessment Report on Alternatives to Animal Usage, 1985

Consultant, National Academy of Sciences (NAS) Panel on Models in Biology, 1984

Consultant, Workshops on "Effects of Oral Contraceptives on Metabolism", Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), 1982, 1985, 1986, 1987

Recent Local Administrative Duties (partial list)

Director, Diabetes and Obesity Research Institute, Cedars-Sinai, 2011-

Director, Clifton Stewart Diabetes Laboratory, Keck School of Medicine of USC, 2007-11

Member, Academic Promotions and Appointment Council (CS-APAC), Cedars-Sinai, Sept 1, 2013-Aug 31, 2016

Member, Graduate Program Steering & Oversight Committee, Cedars-Sinai, Oct 2012-

Member, University of California, San Diego (UCSD)/University of California, Los Angeles (UCLA) Diabetes Research Center (DRC) Pilot and Feasibility Grant Committee, Jan 2012-

Mentor, Graduate Program in Biomedical Science and Translational Medicine, Cedars-Sinai, Aug 2011-

Member, Biomedical Sciences (BMS) Executive Committee, Cedars-Sinai, July 2011-

Member, Search Committee, Director of Industry Relations, Keck School of Medicine of USC, 2010

Member, HSC Master Campus Planning Subcommittee, Keck School of Medicine of USC, 2010

Member, Search Committee, Division Chief of Endocrinology, Diabetes, and Metabolism, Childrens Hospital Los Angeles (CHLA), 2009-11

Member, External Advisory Board, Cedars-Sinai 3TMRI/shared instrument S10 Grant Application, 2009

Member, Research Space Subcommittee to the Dean's Research Cabinet (DRC), Keck School of Medicine of USC, 2009

Member, Strategic Planning Committee, Keck School of Medicine of USC, 2009

Member, Dean's Research Cabinet (DRC), Keck School of Medicine of USC, June 2008-June 2011

Member, Executive Council, Keck School of Medicine of USC, 2008

Chair, ad hoc Committee for Review of University of Southern California (USC) Pharmacy School, 2004

Chair, University of Southern California (USC) Executive Committee, Physician Scientist Academy, 2003

Chair, ad hoc Chairs' Committee of Performance Review, University of Southern California (USC) Medical School, 2003

Chair, Committee for Review of University of Southern California (USC) School of Dentistry, 2002

Chair, Search Committee for Head of Norris Medical Library, University of Southern California (USC), 2001-02

Member, Education Design Committee, University of Southern California (USC) Medical School, 2000

Chair, Search Committee for Preventive Medicine Chair, University of Southern California (USC) Medical School, 1999

Member, University of Southern California (USC) Honorary Degrees Committee, 1998-2001

Member, University of Southern California (USC) Provost's Advisory Board in Biological Sciences, 1998

Member, Finance Committee, University of Southern California Medical School (USC), 1997-2001

Chair, Department of Physiology and Biophysics, Keck School of Medicine of USC, July 1994-June 2011

Co-Chair, University of Southern California (USC) Senate Administration Committee, 1992-93

Director, M.D./Ph.D. Program, University of Southern California (USC) Medical School, 1991-2002
Member, University of Southern California (USC) Committee on Medical Education, 1991-92
Chair, Dean's Special Committee on Vivarium Policy, University of Southern California (USC) Medical School, 1991-92
Member, University of Southern California (USC) Provost's Committee on Space Resources, 1991-92
Member, University of Southern California (USC) Provost's Committee on Vivarium Policy, 1991-92
Member, University of Southern California (USC) Committee on Scientific Conduct, 1991
Member, University of Southern California (USC) Scientific Committee, 1988-91
Member, University of Southern California (USC) Provost's Panel on Appointments Promotion and Tenure, 1987-89
Member, University of Southern California (USC) Vivarium Committee, 1985-90
Chair, Basic Science Building Subcommittee, University of Southern California (USC), 1984-85
Member, University of Southern California (USC) University Committee for Student Research Review, 1984
Co-Director (with C. Finch), Training Program in Neurobiology of Aging, University of Southern California (USC), 1983-2007
Director, University of Southern California (USC) Graduate Training Program, Systems & Integrative Biology, 1983-88
Member, University of Southern California (USC) Committee for Education Evaluation, 1983
Member, University of Southern California (USC) Medical School Committee on Appointments & Promotions, 1981-87
Director, Graduate Studies, University of Southern California (USC) Department of Physiology and Biophysics, 1980-89, 1991-92

Editorial Duties

Editor-in-Chief, Obesity (a Research Journal), 2007-12
Regional Editor, Current Diabetes Reviews, June 2014-Sept 2014
Editorial Board, Journal of Diabetes Science and Technology (JDST), Jan 2013-
Editorial Board, Current Diabetes Reviews, Jan 2008- Sept 2014
Editorial Board, Diabetes, 1987-90
Editorial Board, American Journal of Physiology (AJP), 1976-89; Associate Editor, 1976-82
Editorial Board, Diabetes Technology and Therapeutics, 1998-2008
Editorial Board, News in Physiological Sciences, 1994-98

Journal Reviewer Duties (partial list)

New England Journal of Medicine (NEJM)
Nature
Nature Medicine
Diabetes
American Journal of Physiology (AJP)
Journal of Mathematical Biology
Journal of Clinical Investigation (JCI)
Endocrinology

Journal of Clinical Endocrinology and Metabolism (JCEM)
Diabetes Care
Molecular and Cellular Endocrinology
Computers in Medicine
Computers, Mathematics in Medicine
Journal of Pharmacology and Experimental Therapeutics (JPET)
Journal of Theoretical Biology
Annals of Biomedical Engineering
Journal of Nutrition
Journal of Gastroenterology
Acta Endocrinologica
Diabetologia
Metabolism
IEEE Transactions on Biomedical Engineering
Aging Research
Obesity (previously Obesity Research)
American Journal of Obstetrics and Gynecology (AJOG)
International Journal of Obesity (IJO)
Islets
Journal of Comparative Human Biology - "HOMO"
Journal of Applied Physiology (JAP)
Journal of Diabetes Research
Journal of the Royal Society Interface
Obesity Facts
PLoS ONE
Proceedings of the National Academy of Science (PNAS)
Clinical Endocrinology
Archives of Pediatrics & Adolescent Medicine
Journal of Spinal Cord Medicine (JSCM)
Journal of Diabetes and Its Complications
CNS Drugs
American Journal of Physical Anthropology (AJPA)
Mathematical Biosciences

F. SOCIETY MEMBERSHIPS

American Physiological Society (APS)
Endocrine Society
American Diabetes Association (ADA)
American Federation for Clinical Research (AFCR; from Nov 1995, organization name changed to American Federation for Medical Research, AFMR)
American Association for the Advancement of Science (AAAS)
The Obesity Society (TOS), formerly The North American Association for the Study of Obesity (NAASO)
European Association for Study of Diabetes (EASD)

G. CONSULTING (*partial list*)

Abbott
Amylin Pharmaceuticals

Bristol-Myers Squibb (BMS)
City University of London
Health, Risk Factors, Exercise Training and Genetics (HERITAGE) Study,
Louisiana State University (LSU)
Janssen Research
INSMED
IAMS
Novo-Nordisk
Wisconsin National Primate Research Center (WNPRC)
USDA/ARS Children's Nutrition Research Center, Baylor College of Medicine
(BCM)
Generic (Scientific Advisory Board)
Mandrillus Pharma/Islet Sheet Medical, LLC/Hanuman Medical (Chair, Scientific
Advisory Board)
Wynn Laboratories, London
University of Michigan
Caribbean Primate Research Center, University of Puerto Rico (CPRC)
Phoenix Indian Medical Center (PIMC), National Institutes of Health (NIH)
University of Alabama
Pennington Biomedical Research Center (PBRC)
Lederle Laboratories
GLAXO-Wellcome Research Institute
Parke-Davis
Novartis
SmithKline Beecham (SKB)
Aerogen
Amgen
Metabolex
Merck
Pfizer
Sanofi-Aventis
Ingredion, Inc.
GI Dynamics

H. RESEARCH ACTIVITIES

Ongoing Grants

R.N Bergman, P.I.

1. National Institutes of Health (NIH). “Quantitative Studies of Metabolic Organ Dynamics.” (R37 DK27619). **MERIT (Method to Extend Research in Time) Award, 01/01/07-11/30/18.**
2. National Institutes of Health (NIH). “Quantitation of Factors Regulating Glucose Tolerance.” (R01 DK29867), 07/01/15-06/30/19.
3. Novo-Nordisk. “Liraglutide Actions on the Liver: Effects on Glucose Phosphorylation.” (Universal Trial Number (UTN): U1111-1138-7223), 03/31/14- 03/30/18.

RN Bergman, co-Principal P.I.

1. National Institutes of Health (NIH). “IRAS Family Study-2 - Genetics of Adiposity and Glucose Homeostasis.” (R01 HL060944). L. Wagenknecht, P.I., 01/01/10-12/31/15. (Currently Inactive)
2. National Institutes of Health (NIH). “Training Program in Endocrinology, Diabetes, and Metabolism.” (T32 DK007770). S. Melmed, P.I., 07/01/12-06/30/17.
3. Astra Zeneca. “Effects of SGLT2 Inhibition by Dapagliflozin Treatment on Glucose Homeostasis, Lipid Metabolism and Energy Expenditure.” (Astra Zeneca Proposal ID: CSR 208697). S.P. Kim, P.I., 12/13/15-12/12/18.

RN Bergman, Member

1. National Institutes of Health (NIH). “Diabetes Endocrinology Research Center.” (Administrative Core) (5 P30 DK063491). J. Olefsky, P.I., 05/01/13-04/30/18.
2. National Institutes of Health (NIH). Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatic Cancer Clinical Centers (CSCPDPCC-CCs): “Pathophysiology, Epidemiology, and Prevention of Pancreatogenic Diabetes.” (1 U01 DK108314). S.J. Pandol, P.I., M. Goodarzi, co-P.I., 12/01/15-11/30/20

Recently Completed

1. National Institutes of Health (NIH). “Identifying Genes for Type 2 Diabetes: Finnish-US Study of NIDDM.” (R01 DK062370). M. Boehnke, P.I. (R.N. Bergman, P.I. Subcontract, no funding received), 05/01/09-05/31/16
2. National Institutes of Health (NIH)/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). “Metabolic Effects of Atypical Antipsychotics.” (R01 DK68596). M. Ader, P.I., R.N. Bergman, Co-P.I., 7/1/05-6/30/12.
3. Amylin. “Effect of Exenatide on Glucose Homeostasis, Insulin Secretions and Body Habitus.” (No ID # for this investigator-initiated research grant). R.N. Bergman, P.I., 2007-12.

I. PROFESSIONAL ACTIVITIES

Invited Talks at Special Symposia (Reverse Chronology)

- “Distinguished Leader in Insulin Resistance” Speaker, Talk on “How they talk! Inter-organ communication and diabetes pathogenesis.”, during the 15th Annual World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRD), (Universal City, CA), Nov-Dec 2017*
- Invited Speaker, Mount Sinai 100th Anniversary of the Diabetes Center, Icahn School of Medicine at Mount Sinai, (New York, NY), Nov 2017*
- Keynote Speaker, Basic Science Section Meeting at Obesity Week 2017, The Obesity Society (TOS), (Washington, DC), Oct-Nov 2017*
- Invited Speaker, KG Jebsen Center for Diabetes Research, University of Bergen, (Bergen, Norway), Aug 2017*
- Invited Speaker, Endocrine Journal Club, Cedars-Sinai, (Los Angeles, CA), June 2017*

Session Chair, Symposium 24 on “Obesity: Pharmacological Solutions”, during the 19th European Congress of Endocrinology, European Society of Endocrinology (ESE), (Lisbon, Portugal), May 2017

Session Chair, Plenary 4 on “The Role of Brain Insulin Resistance for the Development of Prediabetic Phenotypes”, during the 19th European Congress of Endocrinology, European Society of Endocrinology (ESE), (Lisbon, Portugal), May 2017

Invited Speaker, Session on “Dietary Treatments to Improve Insulin Sensitivity: Focus on High-Amylose Maize Starch”, during Experimental Biology 2017, Ingredion Incorporated, (Chicago, Illinois), April 2017

Invited Speaker, Talk on “Insulin Degradation”, during the Workshop on “Developing Novel Methodological Approaches to Unmask the Heterogeneity of Early T2DM”, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Bethesda, MD), April 2017

Invited Speaker, Talk on “FSIGT: IRAS Study and Others”, during the Workshop on “Developing Novel Methodological Approaches to Unmask the Heterogeneity of Early T2DM”, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Bethesda, MD), April 2017

Chair, Workshop on “Developing Novel Methodological Approaches to Unmask the Heterogeneity of Early T2DM”, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Bethesda, MD), April 2017

Invited Speaker, Talk on “Primacy of Indirect Control by Insulin of Endogenous Glucose Production: Essential Roles of Adipose Tissues and the Kidneys”, during the 14th Annual World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRDC), (Universal City, CA), Dec 2016

Invited Speaker, Talk on “New Insights in Regulation of Endogenous Glucose Production”, during the Southern California Diabetes Research Symposium and Reception, American Diabetes Assn. (ADA), (Los Angeles, CA), Nov 2016

Invited Speaker, Talk on “Central Role of Modeling to Our Understanding of Type 2 Diabetes: Lessons for Modelers and Non-Modelers”, Endocrine Research Conference, University of Colorado School of Medicine, Division of Endocrinology, Metabolism and Diabetes, (Aurora, CO), Nov 2016

Invited Speaker, Talk on “New Insights into Hyperinsulinemic Counterregulation”, Endocrine Grand Rounds, University of Colorado School of Medicine, Division of Endocrinology, Metabolism and Diabetes, (Aurora, CO), Nov 2016

Invited Speaker, Talk on “Deep Phenotyping: The Quantitative Dissection of Glucose Homeostasis”, American Diabetes Association-Sponsored Dinner/Reception Meeting, University of Colorado School of Medicine, Division of Endocrinology, Metabolism and Diabetes, (Aurora, CO), Nov 2016

Keynote Speaker, UIC Diabetes and Obesity Research Day (Talk on “New Insights into Beta-Cell Compensation for Insulin Resistance”), University of Illinois at Chicago College of Medicine, (Chicago, IL), Oct 2016

Invited Speaker, Graduate Student Seminar as part of Cardiovascular Core, Cedars-Sinai, (Los Angeles, CA), July 2016

Alexander Marble Lecturer, Annual Marble Dinner Lecture, (Boston, MA), May 2016

Alexander Marble Lecturer, Research Seminar Series, Longwood Medical Area Seminar Series in Metabolism and Diabetes, Joslin Diabetes Center, (Boston, MA), May 2016

Alexander Marble Lecturer, Medical Grand Rounds, Longwood Medical Area Seminar Series in Metabolism and Diabetes, Beth Israel Deaconess Hospital, (Boston, MA), May 2016

Invited Speaker, Article on “Empagliflozin, Cardiovascular Outcomes, and Mortality in Type 2 Diabetes”, Endocrine Journal Club, Cedars-Sinai, (Los Angeles, CA), Dec 2015

Invited Speaker, Basic and Clinical Science Symposium on “Computational Approaches in Diabetes” (Talk on “From Physiology to Treatment: The Utility of Computational Approaches”), during the World Diabetes Congress 2015, International Diabetes Federation (IDF), (Vancouver, BC, Canada), Nov-Dec 2015

Session Chair, Basic and Clinical Science Symposium on “The Alpha-Cell: Learning from the Past and Building for the Future”, during the World Diabetes Congress 2015, International Diabetes Federation (IDF), (Vancouver, BC, Canada), Nov-Dec 2015

Invited Speaker, Talk on “Underappreciated Factors in the Regulation of Glucose Homeostasis: Implications for Pathogenesis of Diabetes”, during the 13th Annual World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRDC), (Universal City, CA), Nov 2015

Session Chair (Days 1 & 2), 13th Diabetes Dialogue Conference, Novo Nordisk, (Berlin, Germany), Oct 2015

Panelist, Panel on “Weight-Dependent Effects or Changes in Gastrointestinal Physiology: Can the Argument be Settled” (Breakout Session 4 on “The Science Behind Metabolic Surgery - The Mechanisms of Action of Metabolic Surgery”), during The 3rd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT 2015) & 2nd Diabetes Surgery Summit (DSS-II), (London, UK), Sept 2015

Session Chair, Plenary Session on “Mechanisms of Action of Metabolic Surgery - 2”, during The 3rd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT 2015) & 2nd Diabetes Surgery Summit (DSS-II), (London, UK), Sept 2015

Panelist, Panel on “The Gut in Obesity and Diabetes” (Plenary Session 2 on “The Gut in the Physiology and Pathophysiology of Metabolic Diseases”), during The 3rd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT 2015) & 2nd Diabetes Surgery Summit (DSS-II), (London, UK), Sept 2015

Invited Speaker, Plenary Session on “Mechanisms of Action of Metabolic Surgery - 1” (Talk on “What Does the Effectiveness of Surgery Tell us About the Physiology and Pathophysiology of Glucose Homeostasis”), during The 3rd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT 2015) & 2nd Diabetes Surgery Summit (DSS-II), (London, UK), Sept 2015

Invited Speaker, Graduate Student Seminar as part of Cardiovascular Core, Cedars-Sinai, (Los Angeles, CA), July 2015

Session Chair, Symposium on “Insulin Clearance as a Regulated Process - Novel Mechanisms and Implications”, during the 75th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Boston, MA), June 2015

Invited Speaker, Symposium on “What is the Best Method to Quantify Insulin Sensitivity in Humans?” (Talk on “Comparative Methods for Assessment of Insulin Sensitivity: Oral Versus Intravenous”), during the 75th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Boston, MA), June 2015

Invited Speaker, Talk on “The Relationship between Insulin Secretion and Action”, during the 2015 Iconoclasm Meeting, Novo-Nordisk, (Boston, MA), June 2015

Invited Speaker, Talk on “The Hyperbolic Relationship between Insulin Action and Insulin Response: Why Does it Happen and What Does it Mean?”, Physiology and Endocrinology Seminar Series, Tulane University Health Sciences Center, (New Orleans, LA), May 2015

Invited Speaker, Retirement Symposium in Honor of Jay Taborsky (Diabetes and Metabolism Seminar Series), University of Washington, (Seattle, WA), Apr 2015

Invited Speaker, Talk on “The Hyperbolic Relationship Between Insulin Action and Insulin Response: Why Does it Happen and What Does it Mean?”, Montreal Diabetes Research Center (MDRC) Seminar Series, (Montreal, QC, Canada), March 2015

Visiting Professor, Department Seminars (Two lectures) & Meet the Professors (Two Roundtables), Disciplina de Endocrinologia, Centro Universitário Barão de Mauá, (Ribeirao Preto, Brazil), Oct 2014

Invited Speaker, Talk on “Quantitative Assessment of Risk Factors in Metabolic Disease”, during “II Forum Metabolico: O Brasil Em Busca de Soluções” (“Metabolic Forum II - Brazil in search of solutions”), Brazilian Society for Metabolic and Bariatric Surgery (SBCBM), and Brazilian Society of Endocrinologists (SBEM), (São Paulo, Brazil), Oct 2014

Invited Speaker, Talk on “Physiological Mechanisms Underlying Effects of Metabolic Surgery”, during the 4th Annual Comprehensive Approach to the Treatment of Obesity Conference, sponsored by Cedars-Sinai and The Obesity Society, (Las Vegas, NV), Sept 2014

Invited Speaker, Graduate Student Seminar as part of Cardiovascular Core, Cedars-Sinai, (Los Angeles, CA), July 2014

Invited Speaker, Symposium on “Beyond Glycemic Index to Glycemic Health - Update on the Current Science and Claim Opportunities” (Talk on “Pathogenic Mechanisms Linking Obesity to Type 2 Diabetes Mellitus”), during the 2014 Institute of Food Technologists (IFT) Annual Meeting & Food Expo, (New Orleans, LA), June 2014

Invited Speaker, Talk on “Pathophysiological Events in the Path to Type 2 Diabetes: Lessons from Models and Modeling”, Endocrine Grand Rounds, Boston University School of Medicine, (Boston, MA), Feb 2014

Invited Speaker, Talk on “Obesity, Hypertension and Insulin Resistance: Inter-Relational Mechanisms”, Hypertension Grand Rounds, Cedars-Sinai, (Los Angeles, CA), Feb 2014

Invited Speaker, Merck Peer Discussion Group, University of Washington, (Seattle, WA), Nov 2013

Keynote Speaker, Talk on “Pathophysiological Events in the Path to Type 2 Diabetes: Lessons from Models and Modeling”, Nutrition and Obesity Research Center (NORC)/Diabetes Research Center (DRC) Annual Research Retreat, University of Washington, (Seattle, WA), Nov 2013

Invited Speaker, Talk on “The Link between Insulin Sensitivity and Insulin Secretion”, during the 11th Diabetes Dialogue Conference, Novo Nordisk, (Paris, France), Nov 2013

Invited Speaker, Talk on “Obesity and Pathogenesis of Type 2 Diabetes from a Systems Perspective”, and Metabolism Master Class on “Choosing Good Mentorship for Your Career”, NUTRIM School for Nutrition, Toxicology, and Metabolism, Maastricht University, (Maastricht, The Netherlands), Nov 2013

Invited Speaker, Talk on “Pathophysiological Events in the Pathway to Type 2 Diabetes Mellitus”, Internal Medicine Grand Rounds, University of New Mexico (UNM), (Albuquerque, NM), Oct 2013

Invited Speaker, Session on “Energy Sensing in the Brain and Beta Cell: Commonalities and Differences” (Talk on “Effects of FFAs on Beta Cell Glucose Sensing”), FASEB Summer Research Conference, “Glucose Transport: Gateway for Metabolic Systems Biology”, Federation of American Societies for Experimental Biology (FASEB), (Snowmass Village, CO), July 2013

Keynote Speaker, Pathway/Career Development Programs Symposium (Talk on “Reciprocal Pleasures of Mentoring”), during the 73rd Annual Scientific Sessions, American Diabetes Assn. (ADA), (Chicago, IL), June 2013

Session Chair, Symposium on “Neural Regulation of Glucose Metabolism”, during the 73rd Annual Scientific Sessions, American Diabetes Assn. (ADA), (Chicago, IL), June 2013

Invited Speaker, Talk on “Systems Analysis and Translational Research in Metabolism”, Bioengineering Seminar Series, University of California, San Diego (UCSD), (San Diego, CA), May 2013

Session Chair, Symposium on “What is New in Sleep Apnea & Glucose Metabolism and Energy Balance”, during the American Thoracic Society (ATS) International Conference, (Philadelphia, PA), May 2013

Invited Speaker, Symposium on “What is New in Sleep Apnea & Glucose Metabolism and Energy Balance” (Talk on “Natural History of Type 2 Diabetes”), during the American Thoracic Society (ATS) International Conference, (Philadelphia, PA), May 2013

Session Chair, Symposium on “Hypertension Highlights 2013”, during the 28th Annual Scientific Meeting, American Society of Hypertension (ASH), (San Francisco, CA), May 2013

Invited Speaker, Symposium on “Hypertension Highlights 2013” (Talk on “Adipocytes as Regulators of Metabolic Balance”), during the 28th Annual Scientific Meeting, American Society of Hypertension (ASH), (San Francisco, CA), May 2013

Invited Speaker, Talk on “Dissecting the Pathophysiological Pathway to Type 2 Diabetes”, Obesity Alliance Weekly Conference, University of Texas Southwestern (UTSW) Medical Center, (Dallas, TX), April 2013

Invited Speaker, Merck Peer Discussion Groups (two lectures), University of Texas Southwestern (UTSW) Medical Center, (Dallas, TX), April 2013

Invited Speaker, Talk on “Biography of the Disposition Index”, Clinical Research Conference, University of Texas Southwestern Medical Center (UTSW), (Dallas, TX), April 2013

Invited Speaker, Talk on “Metabolic Surgery - The Science Behind the Scenes”, CME Activity, “Comprehensive Approach to the Treatment of Obesity,” Cedars-Sinai, (Los Angeles, CA), March 2013

Invited Speaker, Session on “Losing Fat: Dynamics of Adipocyte Lipid Turnover” (Talk on “Role of Free Fatty Acids in the Insulin Resistance Syndrome”), Keystone Symposium on “Adipose Tissue Biology”, (Keystone, CO), Jan 2013

Invited Speaker, Merck Peer Discussion Group, University of California, San Diego (UCSD), (San Diego, CA), Dec 2012

Invited Speaker, Talk on “Biography of the Disposition Index”, during the 10th Annual World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRDC), (Universal City, CA), Nov 2012

Visiting Professor and Taft Diabetes Lecturer, Talk on “Insulin Clearance: The Whole Shebang?”, The Brody School of Medicine (BSOM) at East Carolina University (ECU), (Greenville, NC), Oct 2012

Plenary Speaker and Invited Speaker, Plenary Talk on “Glucose Metabolism in Type 2 Diabetes: A Physiological Perspective”; Session V Talk on “HGP in Type 2 Diabetes: The Role in the Development of Hyperglycemia”, Summer School on Molecular Metabolism, (Avernaes, Ebberup, Denmark), Sept 2012

Invited Speaker, Session on “Pathophysiology of Abdominal Obesity and Related Cardiometabolic Risk” (Talk on “Molecular Aspects of Insulin Resistance in Abdominal Obesity”), during the 3rd International Congress on Abdominal Obesity (ICAO), (Quebec City, QC, Canada), July 2012

Invited Speaker, Talk on “Obesity, Insulin Resistance, and the Pathway to Type 2 Diabetes”, BioMed Central (BMC) Nutrition, Metabolism, Obesity and Cancer Conference, (Washington, DC), May 2012

Session Chair, Session on “Adipogenesis and Insulin Resistance”, BioMed Central (BMC) Nutrition, Metabolism, Obesity and Cancer Conference, (Washington, DC), May 2012

Invited Speaker, Talk on “Path-o-Genesis of Obesity, Insulin Resistance and Type 2 Diabetes”, Center for Genomics and Personalized Medicine Research, Wake Forest University School of Medicine (WFUSOM), (Winston-Salem, NC), May 2012

Invited Speaker, Talk on “Sequence of Events in the Pathogenesis of Obesity and Type 2 Diabetes”, Cell Biology, Neuroscience and Physiology Seminar Series, Rutgers New Jersey Medical School (NJMS), (Newark, NJ), April 2012

Panelist, Endocrinologic and Metabolic Drugs Advisory Committee (EMDAC), Food and Drug Administration (FDA) Center for Drug Evaluation and Research (CDER), (Silver Spring, MD), March 2012

Keynote Speaker, Talk on “Events Underlying the Development of Type 2 Diabetes”, 38th Annual UC Davis Diabetes and Endocrinology Symposium, University of California, Davis (UCD), (Sacramento, CA), March 2012

Invited Speaker, Talk on “The Disposition Index”, Endocrine Grand Rounds, University of California, Davis (UCD), (Sacramento, CA), March 2012

Invited Speaker, Talk on “Obesity and Diabetes”, ISMRM Scientific Workshop, “Fat-Water Separation: Insights, Applications & Progress in MRI”, International Society for Magnetic Resonance in Medicine (ISMRM), (Long Beach, CA), Feb 2012

Invited Speaker, Talk on “Treating Diabetes with Surgery, What is the Evidence?”, CME Activity, “Comprehensive Approach to the Treatment of Obesity,” Cedars-Sinai, (Los Angeles, CA), Feb 2012

Invited Speaker, Talk on “The Disposition Index”, Endocrine Research Series, Cedars-Sinai, (Los Angeles, CA), Jan 2012

Invited Speaker, Talk on “Physical Therapy: Didactic – Exercise for the Morbidly Obese”, Bariatric Center of Excellence Meeting, Center for Weight Loss Surgery, Cedars-Sinai, (Los Angeles, CA), Jan 2012

Invited Speaker, Symposium on “Cardiometabolic Syndrome, Diabetes Prevention, and Dyslipidemia” (Talk on “Abdominal Adiposity, Metabolic Risk and the Endocannabinoid System”), during the 52nd Annual Meeting of the American College of Nutrition (ACN), Morristown Medical Center, (Morristown, NJ), Nov 2011

Keynote Speaker, Talk on “Prediction and Prevention of Type 2 Diabetes: Genotype Versus Phenotype”, Annual Meeting, The Obesity Society (TOS), (Orlando, FL), Sept-Oct 2011

Invited Speaker, University of New Mexico School of Medicine (UNMSOM), (Albuquerque, NM), Aug 2011

Invited Speaker, Talk on "Pathogenesis of Type 2 Diabetes", Molecular Medicine Research Seminar Series, Children's Hospital of Pittsburgh, (Pittsburgh, PA), May 2011

Invited Speaker, Workshop on “Drug Response - A Tool for Understanding the Systems Biology of Type 2 Diabetes” (Talk on “Systems Biology Analysis of Metabolic Dysfunction: Lessons from the Past and Future Directions”), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Bethesda, MD), April 2011

Invited Speaker, Symposium on “Metabolic Communication” (Talk on “Abdominal Obesity, Fatty Acids and Insulin Resistance”), during the 2011 American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting, (Washington, DC), April 2011

Session Chair, Symposium on “Metabolic Signal Transduction”, during the 2011 American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting, (Washington, DC), April 2011

Invited Speaker, Symposium on “The Role of the Gut in the Physiology and Pathophysiology of Obesity and Diabetes (Research Track Session IV)” (Talk on “Conventional Paradigm of the Pathophysiology of Diabetes”), during the 2nd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT), (New York, NY), March 2011

Panelist, Breakout Session on “Defining Priorities for Clinical Trials and Investigations on Mechanisms of Action of Surgery (Workshop A: Defining Mechanisms of Action of Surgery and Their Implications for Future Diabetes Therapies and Understanding of Disease Mechanisms)”, during the 2nd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT), (New York, NY), March 2011

Panelist, Session on “Weight Independent Mechanisms of Diabetes Control: Weighing the Evidence (Research Track Session I: Mechanisms of Action of Surgery)”, during the 2nd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT), (New York, NY), March 2011

Panelist, Untitled Symposium “(Clinical Track Session III: Diabetes Surgery: Indications, Choice of Procedure & Peri-Operative Management)”, during the 2nd World Congress on Interventional Therapies for Type 2 Diabetes (WCIDT), (New York, NY), March 2011

Plenary Speaker, Talk on “Visceral Adiposity, Insulin Resistance, and Pathoogenesis of Type 2 Diabetes”, during the 2nd International Congress on Abdominal Obesity (ICAO), (Buenos Aires, Argentina), Feb 2011

Plenary Speaker, Talk on “Global Obesity Epidemic and Diabetes: Individualized Risk Assessment for Targeted Prevention”, during the American Federation for Medical Research (AFMR) Western Regional Meeting, (Carmel, CA), Jan 2011

Visiting Professor, Talk on "Pathophysiologic Basis of Cardiovascular Risk", Hypertension Center Grand Rounds, Cedars-Sinai, (Los Angeles, CA), Dec 2010

Invited Speaker, Merck Peer Discussion Group, University of Rochester Medical Center, (Rochester, NY), Dec 2010

Invited Speaker, Merck Peer Discussion Groups (two lectures), Diabetes-Endocrinology Center of Western New York, (Buffalo, NY), Nov 2010

Keynote Speaker, Talk on “Obesity, Insulin Resistance, and Links To Diabetes Type 2”, during the 6th Annual Diabetes Research Summit, Oklahoma University Health Sciences Center (OUHSC), (Oklahoma City, OK), Nov 2010

Invited Speaker, Merck Peer Discussion Groups (two lectures), Endocrinology & Metabolism Institute, Cleveland Clinic, (Beachwood and Cleveland, OH), Nov 2010

Plenary Speaker, Talk on “The Key Elements of Glucose Metabolism”, during the 2010 Cardiometabolic Health Congress (CMHC), (Boston, MA), Oct 2010

Keynote Speaker, Talk on “New Applications of Dynamic Analysis to Fat Mass and Diabetes Genetics”, during the 28th Annual Meeting, The Obesity Society (TOS; formerly NAASO), (San Diego, CA), Oct 2010

Invited Speaker, Session on “Inflammation in Glucose Homeostasis” (Talk on “Free Fatty Acids and Insulin Resistance”), during the 70th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Orlando, FL), June 2010

Invited Speaker, Talk on “The Perilous Path-O-Genesis to Diabetes, Type 2”, Endocrine Grand Rounds, University of California, San Francisco (UCSF), (San Francisco, CA), May 2010

Plenary Speaker, Talk on “The Perilous Path-O-Genesis to Diabetes, Type 2”, Research Seminar, Saban Research Institute, Childrens Hospital Los Angeles (CHLA), (Los Angeles, CA), April 2010

Kroc Foundation Lecturer, Talk on “Mechanisms of Beta Cell Compensation for Insulin Cell Resistance”, Baylor College of Medicine (BCM), (Houston, TX), March 2010

Plenary Speaker, Session on “Pathophysiology of Abdominal Obesity and Related Cardiometabolic Risk” (Talk on “Visceral Adiposity and Insulin Resistance; Lessons from the Dog”, during the 1st International Congress on Abdominal Obesity (ICAO), (Hong Kong, China), Jan 2010

Invited Speaker, Merck Peer Discussion Group, University of Texas Medical Branch (UTMB), (Galveston, TX), Dec 2009

Invited Speaker, Talk on “Mechanisms of Beta Cell Compensation for Insulin Resistance”, during the 11th Annual Conference, “Frontiers in Diabetes Research: Biology of the Beta Cell”, Naomi Berrie Diabetes Center, Columbia University Medical Center, (New York, NY), Nov 2009

Invited Speaker, Symposium on “The Emerging Role of Biomarker Panel Assays in Diabetes Prevention: Identifying High-Risk Patients Before it’s Too Late” (Talk on “T2DM Pathophysiology and Clinical Markers in High-Risk Asymptomatic Individuals”), during the 2009 Cardiometabolic Health Congress, (Boston, MA), Oct 2009

Invited Speaker, Talk on “Alternative Mechanisms of Insulin Resistance”, Division of Endocrinology and Metabolism Endocrine Clinical Conference, Harbor-UCLA Medical Center, (Los Angeles, CA), Aug 2009

Invited Speaker, Talk on “Alternative Mechanisms of Insulin Resistance”, Boston Obesity Nutrition Research Center (BONRC) 2009 Annual Program, (Boston, MA), June 2009

Invited Speaker, Session on “PCOS and Insulin Resistance” (Talk on “Insulin Resistance and Its Presence in PCOS”), during the 7th Annual Meeting of the Androgen Excess and PCOS Society, (Washington, DC), June 2009

Invited Speaker, Merck Peer Discussion Groups (two lectures), Oregon Health & Science University (OHSU), (Portland, OR), May 2009

Invited Speaker, Talk on “Visceral Adiposity and the Pathogenesis of Type 2 Diabetes”, Louisiana State University (LSU) Health Sciences Center, (New Orleans, LA), April 2009

Visiting Professor, 44th Congress of the Society for Endocrinology, Metabolism and Diabetes of South Africa (SEMDSA)/9th Lipid and Atherosclerosis Society of Southern Africa (LASSA) Meeting (two lectures and two Meet-the-Professor events), (Johannesburg, South Africa), April 2009

Invited Speaker, Metabolism Interest Group (Merck), University of Texas Southwestern (UTSW), (Dallas, TX), Feb 2009

Invited Speaker, UT Southwestern Obesity Alliance Weekly Seminar Series on Nutrition, Metabolism, and Obesity (Merck), University of Texas Southwestern (UTSW), (Dallas, TX), Feb 2009

Invited Speaker, Talk on “Systems Biology and Glucose Homeostasis: Prediction, Prevention and Genetics of Type 2 Diabetes”, Monthly Q2M Series on “Questions in Quantitative Biology (Systems Biology)”, Harvard University, (Boston, MA), Feb 2009

Invited Speaker, Talk on “The Disposition Index: From Phenome to Genome”, The Metabolism Initiative Group, The Eli and Edythe L. Broad Institute (Boston, MA), Feb 2009

Invited Speaker, Talk on “Pathogenesis of the Metabolic Xyndrome”, Thursday Seminar Series, Joslin Diabetes Center, (Boston, MA), Feb 2009

Invited Speaker, Endocrine Grand Rounds (Merck), University of Utah, (Salt Lake City, UT), Jan 2009

Invited Speaker, Merck Peer Discussion Group, Division of Endocrinology and Metabolism, University of Utah, (Salt Lake City, UT), Jan 2009

Invited Speaker, Seminar (Merck), University of Chicago Committee on Molecular Metabolism and Nutrition (CMMN), (Chicago, IL), Nov 2008

Invited Speaker, Merck Peer Discussion Group, University of Chicago Committee on Molecular Metabolism and Nutrition (CMMN), (Chicago, IL), Nov 2008

Invited Speaker, Talk on “Insulin Resistance and Pathophysiology of Type 2 Diabetes Mellitus”, during the 14th Scientific Symposium of the Lilly Foundation: “Diabetes Mellitus Today”, (El Escorial, Madrid, Spain), Nov 2008

Invited Speaker, Symposium on “Metabolic Syndrome” (Talk on “Pathophysiology of the Metabolic Syndrome”), during the 13th International Congress on Hormonal Steroids and Hormones and Cancer (ICHSHC), (Quebec City, QC, Canada), Sept 2008

Invited Speaker, Talk on “Pathophysiological Basis and Potential Therapy for the Insulin Resistance Syndrome”, during the 6th Annual World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRD), (Universal City, CA), Sept 2008

Invited Speaker, Talk on “Abdominal Obesity, Dyslipidemia, Insulin Resistance, Type 2 Diabetes and Atherosclerosis: Is the ECS One of the Links?”, during the 6th International Chair on Cardiometabolic Risk (ICCR) Meeting, Fairmont le Chateau Frontenac, (Quebec City, QC, Canada), June 2008

Invited Speaker, Joslin Diabetes Center and Tethys sponsored Symposium on “Beyond Single-marker Diabetes Detection: The Evolution of Diabetes Risk Assessment” (Talk on “Pathophysiologic Spectrum of Type 2 Diabetes”), during the 68th Annual Scientific Sessions, American Diabetes Assn. (ADA), (San Francisco, CA), June 2008

Invited Speaker, Diabetes Endocrinology Research Center 2008 Annual Symposium on “Expanding Horizons of the Metabolic Syndrome” (Talk on “Visceral Fat: Real Villain or Just Bad Actor in the Insulin Resistance Scenario”), University of Washington (Seattle, WA), May 2008

Invited Speaker, Merck Peer Discussion Groups (two lectures), University of Illinois at Chicago (UIC), (Chicago, IL), May 2008

Invited Speaker, Childhood Obesity Research Center Symposium, University of Southern California (USC), (Los Angeles, CA), April 2008

Invited Speaker, Merck Peer Discussion Group, Institute for Diabetes, Obesity and Metabolism and Division of Endocrinology, Diabetes, and Metabolism Combined Seminar Series, University of Pennsylvania, (Philadelphia, PA), April 2008

Invited Speaker, Symposium on “Epidemiology and Prevention of Obesity and Type 2 Diabetes” (Talk on “In Vivo Integrated Assessment of Insulin Secretion and Action”), during the Update on Cardiometabolic Health Meeting, (Jackson, MS), Dec 2007

Invited Speaker, Seminar on “Pathophysiology of the Metabolic Syndrome”, Wake Forest University School of Medicine (WFUSOM), (Winston-Salem, NC), Dec 2007

Visiting Professor, Metabolism Research Forum (Merck Peer Discussion Groups, two lectures), Sarah Stedman Nutrition and Metabolism Center at Duke, (Durham, NC), Dec 2007

Invited Speaker, Talk on “In Vivo Integrated Assessment of Insulin Secretion and Insulin Action” during the Global Diabetes Summit: Conquering Diabetes Frontiers with New Discoveries and Technologies, Wexner Medical Center, The Ohio State University, (Columbus, OH), Nov 2007

Invited Speaker, 2007 Diabetes Research Retreat, “Bernard R. Landau, A Life in Diabetes Research”, Diabetes Association of Greater Cleveland's Dietrich Diabetes Research Institute (DDRI), & Case Western Reserve University, (Cleveland, OH), Nov 2007

Keynote Speaker, Talk on “Making it as a Biomedical Scientist: Perceptions and Reality”, New Investigators Workshop, Institute of Nutrition, Metabolism and Diabetes, Canadian Institutes of Health Research (CIHR), (Toronto, ON, Canada), Nov 2007

Invited Speaker and Visiting Professor, Endocrine Research Conference, & Endocrine University-Wide Conference (two lectures), Division of Endocrinology and Metabolism, University of Pittsburgh, (Pittsburgh, PA), Nov 2007

Invited Speaker, Session on “Development of PCOS: Manifestations in Childhood and Adolescence” (Talk on “Assessing Insulin Resistance and Metabolic Risk Factors”), during the 2nd PEACOCKS Forum, (Chianti, Italy), Sept 2007

Invited Speaker, Merck Peer Discussion Group, Brasserie Jo Restaurant, (Chicago, IL), June 2007

Keynote Speaker, Talk on “Insights into the pathogenesis of the Metabolic Xyndrome”, Vanderbilt University Diabetes Research and Training Center (DRTC) “Diabetes Day”, (Nashville, TN), May 2007

Plenary Speaker, Talk on “Harmony and Discord in the Orchestration of Glucose Metabolism”, Journées de Diabétologie de l' Hôtel Dieu 2007, (Paris, France), May 2007

Invited Speaker, Medical Forum Presentations (Merck Peer Discussion Groups, 2 lectures), Case Western Reserve University (Cleveland, OH), March 2007

Invited Speaker, Endocrine Grand Rounds (Merck), University of Colorado (Aurora, CO), March 2007

Plenary Speaker, Symposium on “Winning by Losing: Behavior, Diabetes, and the Metabolic Syndrome” (Talk on “Pathophysiological Mechanisms of the Metabolic Xyndrome”), during the 2007 Association of Professors of Medicine (APM) Meeting, (Scottsdale, AZ), March 2007

Invited Speaker, Pediatric Grand Rounds, Infants and Children’s Hospital of Brooklyn at Maimonides, Saint Barnabas Medical Center, (Livingston, NJ), Feb 2007

Invited Speaker, 15th Annual Pediatric Endocrinology Symposium: “Progress on the Understanding of the Etiopathogenesis of Childhood Diabetes”, Infants and Children’s Hospital of Brooklyn at Maimonides (Brooklyn, NY), Feb 2007

Invited Speaker, Endocrinology Research Conference (Merck), University of Minnesota, (Minneapolis, MN), Feb 2007

Invited Speaker, Geriatrics and Nutritional Science Seminar (Merck), Washington University School of Medicine in St. Louis (St. Louis, MO), Jan 2007

Invited Speaker, Talk on “Systems Biology at the Macro Level”, UCSD Bioengineering Seminar Series, University of California, San Diego, (UCSD) (San Diego, CA), Jan 2007

Invited Speaker, Endocrine Grand Rounds (Merck), Indiana University, (Indianapolis, IN), Oct 2006

Invited Speaker, Merck Peer Discussion Group, Indiana University, (Indianapolis, IN), Oct 2006

Keynote Speaker, Talk on “Pathophysiology of Metabolic Syndrome”, during the “Metabolic Syndrome: Definitions, Concepts and Therapies” Endocrinology Update, Schulich School of Medicine & Dentistry, The University of Western Ontario, (London, ON, Canada), Oct 2006

Invited Speaker, Talk on “IAA-CMR [Intra-Abdominal Adiposity-Cardiometabolic Risk] Link: Building the Evidence” during the Sanofi Cardiometabolic Advisory Council Meeting, (Dallas, TX), Sept 2006

Plenary Speaker, Talk on “Pathophysiological Events in the Development of the Metabolic Syndrome, Including Role of the Sympathetic Nervous System”, during the 26th Annual Meeting, Korean Society for the Study of Obesity (KSSO), (Seoul, South Korea), Sept 2006

Invited Speaker, Talk on “Pathogenesis of the Metabolic Xyndrome”, The Genomics Institute of the Novartis Research Foundation (GNF), (San Diego, CA), July 2006

Plenary Speaker, Talk on “Metabolic Syndrome”, during the 88th Endocrine Society (ENDO) Annual Meeting, (Boston, MA), June 2006

Banting Lecturer (Endowed), Talk on “Harmony and Discord in the Orchestration of Glucose Metabolism”, during the 66th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Washington, DC), June 2006

Invited Speaker, Talk on “Pathophysiological Mechanisms of the Metabolic Xyndrome”, Endocrine Grand Rounds, University of California, San Diego (UCSD), (San Diego, CA), May 2006

Invited Speaker, CVM National Meeting, Novartis Pharmaceuticals, (Del Mar, CA), April 2006

Invited Speaker, Talk on “Pathophysiology of Intra-Abdominal Adiposity: Potential Sites of Action for Endocannabinoid Blockade”, during the Rimonabant International Speaker Meeting, (Madrid, Spain), April 2006

Berson Lecturer (Endowed), Talk on “Confessions of a Supermodel”, Experimental Biology 2006, Federation of American Societies for Experimental Biology (FASEB), (San Francisco, CA), April 2006

Invited Speaker, Sanofi Symposium on “Cardiometabolic Risk: Pathways to Disease Development”, (Woodland Hills, CA), March 2006

Invited Speaker, Talk on “Free Fatty Acids, Insulin Resistance and Cancer”, during the 8th Annual Postgraduate Nutrition Symposium on “Metabolic Syndrome and Onset of Cancer”, Harvard Medical School, (Boston, MA), March 2006

Invited Speaker, Keystone Joint Sessions on “Diabetes Mellitus and the Control of Cellular Energy Metabolism” and “Adipogenesis, Obesity and Inflammation” (Talk on “Organ Cross-Talk and Pathogenesis of the Metabolic Syndrome”), (Vancouver, BC, Canada), Jan 2006

Invited Speaker, National Institutes of Health (NIH) Artificial Pancreas Workshop, (Bethesda, MD), Dec 2005

Panelist, “Algorithm Development for an Artificial Pancreas”, during the 5th Annual Diabetes Technology Meeting, (San Francisco, CA), Nov 2005

Invited Speaker, N. American Assoc. for Study of Obesity (NAASO) Annual Meeting, (Vancouver, BC, Canada), Oct 2005

Invited Speaker, Session on “Pathophysiology and Potential Mechanisms” (Talk on “Insulin Sensitivity and Secretion: Targets for Adverse and Therapeutic Drug Effects”), during the “Antipsychotics, Mood Stabilizers and Metabolic Adverse Effects” Meeting, Division of Adult Translational Research & Treatment Development, and the Division of Health and Behavior & AIDS, National Institute of Mental Health (NIMH), (St. Louis, MO), Oct 2005

Invited Speaker, Symposium on “Obesity and Non-Esterified Fatty Acids” (Talk on “Oscillatory Lipolysis by the Sympathetic Nervous System”, Task Force on Obesity Research, University of Texas Southwestern (UTSW) Medical Center, (Dallas, TX), Sept 2005

Invited Speaker, FASEB Summer Research Conference on “Glucose Transporter Biology”, Federation of American Societies for Experimental Biology (FASEB), (Snowmass Village, CO), Aug 2005

Invited Speaker, Satellite Symposium on “Targeting Abdominal Obesity to Reduce Cardiovascular Risk in Patients with Type 2 Diabetes” (Talk on “Why Abdominal Obesity Increases Metabolic and Cardiovascular Risk: The Preclinical Evidence”), during the 65th Annual Scientific Sessions, American Diabetes Assn. (ADA), (San Diego, CA), June 2005

Keynote Speaker, Toronto Diabetes Association Annual Meeting, (Toronto, ON, Canada), May 2005

Invited Speaker, Sanofi Symposium on “Abdominal Obesity: A Predictor of Metabolic and Cardiovascular Disease?” (Prague, Czech Republic), April 2005

Invited Speaker, Talk on “Genetics of Type 2 Diabetes: From Genotype to Phenotype and Back”, Cedars-Sinai, (Los Angeles, CA), April 2005

Keynote Speaker, Talk on “Liens entre insulinoresistance et symptomes metabolique”, during the Association de Langue Française pour l’Etude du Diabète et des Maladies métaboliques (ALFEDIAM) Meeting, (Lyon, France), March 2005

Keynote Speaker, Talk on “Minimal Model: Perspective from 2005”, during the 8th KIGS/KIMS Expert Meeting on Growth Hormone and Growth Disorders, (Paris, France), Feb 2005

Keynote Speaker (Introduction), Freycinet Conference on “Diabetes and Exercise: Impact of Muscle Blood Flow”, University of Tasmania, (Coles Bay, Tasmania), Aug 2004

Keynote Speaker, FASEB Summer Research Conference on “Integrative Approaches to Understanding Obesity and its Metabolic and Clinical Consequences”, Federation of American Societies for Experimental Biology (FASEB), (Pine Mountain, GA), Aug 2004

Keynote Speaker, Talk on “Metabolic Syndrome and Obesity”, during the 3rd Israeli Society for Research and Treatment of Obesity (ISRTO) Annual Meeting, (Tel Aviv, Israel), June 2004

Invited Speaker, Workshop on “Lipids and the Pathophysiology of Obesity” (Talk on “Regional Adiposity and Insulin Resistance”), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Washington, DC), May 2004

Keynote Speaker, Talk on “How and Why Prevention of Diabetes Works” (Wie und warum Diabetesprävention funktioniert), during the 39th Annual German Diabetes Society (DDG) Meeting, (Hannover, Germany), May 2004

Novo-Nordisk Lecturer (Endowed), Talk on “Systems Biology and the Pathogenesis of Type 2 Diabetes Mellitus”, McGill University, (Montreal, QC, Canada), April 2004

Invited Speaker, Festschrift for James Warram, Joslin Institute, Harvard University, (Boston, MA), March 2004

Invited Speaker, American Diabetes Assn. (ADA) Research Symposium on “Novel Roles of GI Hormones in Energy Homeostasis, Obesity, and Diabetes”, (Long Beach, CA), Dec 2003

Invited Speaker, Consensus Development Conference on Antipsychotic Drugs & Diabetes, American Diabetes Assn. (ADA), (Alexandria, VA), Nov 2003

Invited Speaker, 3rd Annual Diabetes Technology Meeting, (San Francisco, CA), Nov 2003

“Meet the Professor”, N. American Assoc. for the Study of Obesity (NAASO) Annual Meeting, (Ft. Lauderdale, FL), Oct 2003

Plenary Speaker, 2nd BHSI State of the Art Symposium on “Mathematical Modeling in Nutrition and Health Science”, Biomedical and Health Sciences Institute, University of Georgia (UGA BHSI), (Athens, GA), Sept 2003

Invited Speaker, 18th International Diabetes Federation (IDF) Congress, (Paris, France), Aug 2003

Invited Speaker, Mars Nutrition Research Council (MNRC) Workshop on Glycemic Index during the 63rd Annual Scientific Sessions, American Diabetes Assn. (ADA), (New Orleans, LA), June 2003

Panelist, Public Debate on “How Does Insulin Modulate Hepatic Glucose Production?” during the 63rd Annual Scientific Sessions, American Diabetes Assn. (ADA), (New Orleans, LA), June 2003

Keynote Speaker, Talk on “Diabetes: A Systems Approach to a Systemic Disease”, Canadian Student Health Research Forum (CSHRF) Diabetes Symposium, (Winnipeg, MB, Canada), May 2003

Invited Speaker, Symposium on “Evolving Epidemic of Diabetes and Vascular Disease” (Talk on “Visceral Adiposity and Insulin Resistance”), The Division of Endocrinology, and The Robert M. Berne Cardiovascular Research Center, University of Virginia, (Charlottesville, VA), May 2003

Plenary Speaker, 17th Annual Northern California Diabetes Symposium, Diabetes Center at University of California, San Francisco (UCSF) & American Diabetes Assn. (ADA), (San Francisco, CA), April 2003

Invited Speaker, 2003 Janssen CNS Advisory Summit, (Scottsdale, AZ), Feb 2003

Keynote Speaker, 3rd International Workshop on Insulin Resistance: Metabolic Syndrome, (New Orleans, LA), Feb 2003

Asa Rothstein Honorary Lecturer, Talk on “Understanding the Pathology of Type II Diabetes: Focus on the Forest, Not the Trees”, Hospital for Sick Children, (Toronto, ON, Canada), Dec 2002

Invited Speaker, Symposium on “Physiology of the Metabolic Syndrome”, during the 9th International Congress on Obesity (ICO), International Association for the Study of Obesity (IASO), (Sao Paulo, Brazil), Aug 2002

Invited Speaker, Finnish Conference on Genetics, (Helsinki, Finland), June 2002

Invited Speaker, 4th International Conference on Insulin Action and Insulin Resistance, (Beijing-Shanghai, China), May 2002

Invited Speaker, Janssen Investigators Meeting, (Dallas, TX), Feb 2002

Invited Speaker, “Memories of Rachmiel Levine” Symposium on Diabetes, City of Hope, (Duarte, CA), Nov 2001

Invited Speaker, Clinical Measures of β -cell Function Advisory Board Meeting, Novartis, (Chicago, IL), Oct 2001

Invited Speaker, 15th Annual National Cooperative Growth Study (NCGS) Investigator Meeting, (Scottsdale, AZ), Oct 2001

Invited Speaker, 4th International Smolenice Insulin Symposium on Lipids and Insulin Resistance, (Bratislava, Slovak Republic), Sept 2001

Plenary Speaker, Symposium on Glucose Dynamics (“Lilly Peaks and Valleys”), (Mont-Tremblant, QC, Canada), Aug 2001

Plenary Speaker, FASEB Summer Research Conference on “Glucose Transporter Biology”, Federation of American Societies for Experimental Biology (FASEB), (Snowmass, CO), July 2001

Invited Speaker, GlaxoSmithKline (GSK) sponsored Symposium on “Regulation of Regional Fat Metabolism” during the 61st Annual Scientific Sessions, American Diabetes Assn. (ADA), (Philadelphia, PA), June 2001

Invited Speaker, University of Michigan Symposium on IGF, Insulin and Aging, (Ann Arbor, MI), May 2001

Plenary Speaker, Diabetes Di@logue, (NovoMix® 30 Global Conference), Novo-Nordisk, (Geneva, Switzerland), May 2001

Plenary Speaker, Eli Lilly Canada sponsored Endocrinology Symposium on “Optimizing Diabetes Outcomes” (Talk on “Physiologic Basis of Glucose Tolerance and Prandial Glucose Dynamics”), Langdon Hall, (Cambridge, ON, Canada), April 2001

Invited Speaker, Minneapolis City-Wide Endocrinology Conference, Division of Diabetes, Endocrinology and Metabolism, University of Minnesota, (Minneapolis, MN), April 2001

Invited Speaker, Longwood Area Diabetes/Metabolism Research Seminar Series, Joslin Diabetes Center, (Boston, MA), March 2001

Invited Speaker, Servier Symposium on Insulin Resistance, (St.-Jean-Cap-Ferrat, France), March 2001

Invited Speaker, 1st International Workshop on Insulin Resistance, (Amelia Island, FL), Feb 2001

Invited Speaker, Symposium on Postprandial Hyperglycemia (“Lilly Peaks and Valleys”), (Banff, AB, Canada), Feb 2001

Visiting Professor, University of Cincinnati, (Cincinnati, OH), Winter 2000

Invited Speaker, Endocrine Grand Rounds, Cedars-Sinai, (Los Angeles, CA), Nov 2000

Irving L. Schwartz Lecturer (Endowed), Talk on “Pathogenesis and Prediction of Diabetes: Lessons from Integrative Physiology”, Hatch Auditorium, Mount Sinai Medical School, (New York, NY), Nov 2000

Invited Speaker, 26th Annual Meeting of the International Society for Pediatric Adolescent Diabetes (ISPAD), (Universal City, CA), Nov 2000

Invited Speaker, Symposium on “Role of the Liver in the Pathophysiology of Type 2 Diabetes: What Do We Know?” during the International Symposium on the Quantification and Regulation of Glucose Production, (Middelfart, Funen, Denmark), Sept 2000

Invited Speaker, Talk on “Pathophysiology”, during the American Physiological Society (APS)/Scandinavian Physiological Society (SPS) Satellite Symposium on “Physiological Mechanisms in Diabetes”, (Reykjavik, Iceland), Aug 2000

Plenary Speaker, 7th Conference on Mathematical Modeling in Nutrition and the Health Sciences, Department of Nutrition, College of Health and Human Development, The Pennsylvania State University, (University Park, PA), Aug 2000

Invited Speaker, Keystone Joint Sessions on “Diabetes Mellitus: Molecular Mechanisms, Genetics and Prospects for New Therapy” and “Molecular Control of Adipogenesis and Obesity”, (Taos, NM), Feb 2000

Chair and Invited Speaker, 1st Discussion Symposium on “Role of Fatty Acids in Insulin Resistance: The Glucose Fatty Acid Cycle Revisited”, Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM) & Novo Nordisk A/S, (Headington, Oxford, United Kingdom), Dec 1999

Plenary Speaker, Association of Chairs of Departments of Physiology (ACDP) Annual Meeting, (Palm Springs, CA), Dec 1999

Invited Speaker, N. American Assoc. for the Study of Obesity (NAASO) Annual Meeting, (Charleston, SC), Nov 1999

Invited Speaker, 81st Endocrine Society (ENDO) Annual Meeting, (San Diego, CA), June 1999

Invited Speaker, Wellcome Institute Conference on Endothelium, (Hinxton, Cambridgeshire, United Kingdom), May 1999

Plenary Speaker, Association de Langue Française pour l’Etude du Diabète et des Maladies métaboliques (ALFEDIAM) Meeting (Paris, France), April 1999

Invited Speaker, Insulin Action Study Group, South African Endocrine Society, (Cape Town, South Africa), March 1999

Invited Speaker, Conference on “The Metabolic Syndrome X: Convergence of Insulin Resistance, Glucose Intolerance, Hypertension, Obesity, and Dyslipidemias - Searching for Underlying Defects”, the New York Academy of Sciences (NYAS), (Jacksonville, FL), Feb 1999

The Herman O. Mosenthal Lecturer (Endowed), New York Diabetes Association (currently the American Diabetes Assn. - Eastern Region), (New York, NY), Nov 1998

Invited Speaker, Symposium on “Metabolic Regulation”, during the 29th Annual Biomedical Engineering Society (BMES) Fall Meeting, (Cleveland, OH), Oct 1998

“Meet the Professor”, 34th European Association for the Study of Diabetes (EASD) Annual Meeting, (Barcelona, Spain), Sept 1998

Plenary Speaker, Satellite Symposium on Insulin Action, during the Australian Diabetes Educators Association (ADEA) and Australian Diabetes Society (ADS) Annual Scientific Meeting, (Perth, Australia), Aug 1998

Invited Speaker, Symposium on “Insulin Resistance: Insights and Outcomes”, during the 58th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Chicago, IL), June 1998

Plenary Speaker, 41st Annual Meeting, the Japan Diabetes Society (JDS), (Wakayama, Japan), May 1998

Visiting Professor, University of Texas Southwestern (UTSW) Medical School, (Dallas, TX), April 1998

Opening Speaker, American Diabetes Association (ADA) Consensus Development Conference on Insulin Resistance, (Los Angeles, CA), Nov 1997

Invited Speaker, Maine Meeting on Metabolic Regulation, (Prouts Neck, ME), Oct 1997

Plenary Speaker, 1st Canadian Diabetes Association Meeting, (London, ON, Canada), Oct 1997

Invited Speaker, “Research Symposium on Hypoglycemia”, American Diabetes Assn. (ADA), (Albuquerque, NM), Sept 1997

Invited Speaker, Workshop on, “The Brain and the Adipocyte: Integrating Diverse Signaling Pathways”, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Bethesda, MD), Sept 1997

Invited Speaker, 18th International Diabetes Federation (IDF) Congress, (Helsinki, Finland), July 1997

Invited Speaker, Keystone Joint Sessions on “The Adipose Cell: Molecular Aspects of Differentiation, Gene Expression and Metabolic Regulation in the Normal Cell and Obese Models” and “Insulin Action and Secretion in NIDDM”, (Park City, UT), Jan 1997

Invited Speaker, Symposium on “Endothelial Function and Metabolic Regulation”, during the 57th Annual Scientific Sessions, American Diabetes Assn. (ADA) (Boston, MA), June 1997

Faculty Member, American Diabetes Assn. (ADA) Postgraduate Course, “New Developments in the Pathogenesis and Treatment of NIDDM”, (Scottsdale, AZ), Nov 1996

Plenary Speaker, “75th Anniversary: Celebrating the Discovery of Insulin: An International Research Symposium on Diabetes Focusing on Beta-Cell Function and Insulin Action”, University of Toronto, (Toronto, ON, Canada), Oct 1996

Session Chair and Plenary Speaker, Satellite Symposium on “Quantitative Approaches to the Study of Diabetes”, during the 32nd European Association for the Study of Diabetes (EASD) Annual Meeting, (Vienna, Austria), Aug 1996

Invited Speaker, “Recent Progress in Hormone Research”, (formerly the Laurentian Hormone Congress) (Stevenson, WA), Aug 1996

Invited Speaker (in French), Journées de Diabétologie de l'Hôtel Dieu, (Paris, France), May 1996

Organizer and Speaker, Symposium on “Alterations in Glucose Homeostasis in the Aging Process”, during the 48th Annual Scientific Meeting, Gerontological Society of America (GSA), (Los Angeles, CA), Nov 1995

Visiting Professor, University of Alberta, (Edmonton, AB, Canada), Nov 1995

Connaught Lecturer, University of Toronto, (Toronto, ON, Canada), Oct 1995

Invited Speaker, Dedication of the Rachmiel Levine, M.D. Diabetes Reading Room, Lee Graff Medical Library, City of Hope, (Duarte, CA), Sept 1995

Invited Speaker, Symposium on Systemic Carbohydrate Regulation, University of Pennsylvania Diabetes Center, (Philadelphia, PA), May 1995

Session Chair, Satellite Symposium on “Phenotypic characterization of NIDDM in the East and West”, during the 15th International Diabetes Federation (IDF) Congress, (Tokyo, Japan), Nov 1994

Invited Speaker, Satellite Symposium on “Insulin Action in NIDDM”, during the 15th International Diabetes Federation (IDF) Congress, (Wakayama, Japan), Nov 1994

Invited Speaker, Satellite Symposium on “Glucose Fluxes, Exercise and Diabetes”, during the 15th International Diabetes Federation (IDF) Congress, (Nara, Japan), Nov 1994

Visiting Professor, University of Chicago, (Chicago, IL), 1994

Visiting Professor, University of Alabama, (Tuscaloosa, AL), 1994

Visiting Professor, Northwestern University, (Evanston, IL), 1994

Organizer and Panelist, 3rd International Symposium on Minimal Modeling (“MINMOD ‘94”), (Baton Rouge, LA), June 1994

Invited Speaker, 35th Nestlé Nutrition Workshop on Type 2 Diabetes, (Athens, Greece), April 1994

Invited Speaker, IFAC Symposium on “Modeling and Control in Biomedical Systems”, International Federation of Automatic Control (IFAC), (Galveston, TX), March 1994

Invited Speaker, N. American Assoc. for the Study of Obesity (NAASO), (Milwaukee, WI), Oct 1993

Invited Speaker, 2nd Gauss Symposium on “Modeling in Biology and Medicine”, (Munich, Germany), Aug 1993

Keynote Speaker, MEDED Conference on Pathogenesis of NIDDM, (Vancouver, BC, Canada), June 1993

Panelist, Seminar on “Focus on the Liver: Sensor for Hypoglycemia and the Syntactic Approach”, Pennington Biomedical Research Center (PBRC), (Baton Rouge, LA), Apr 1993

Invited Speaker, Seminar on “Single Gateway Hypothesis of Insulin Action in Vivo”, Pennington Biomedical Research Center (PBRC), (Baton Rouge, LA), Apr 1993

Invited Speaker, 2nd Toronto-Stockholm Symposium on “New Concepts in the Pathogenesis of NIDDM”, (Stockholm, Sweden), Sept 1992

Plenary Speaker and Scientific Committee Member, 4th International Diabetes Conference, (Florence, Italy), March 1992

Keynote Speaker, Retirement of Rachmiel Levine from City of Hope Medical Center, (Duarte, CA), Feb 1992

Plenary Speaker, Luft Symposium, during the 14th International Diabetes Federation (IDF) Congress, (Washington, DC), June 1991

Plenary Speaker, 34th Annual Meeting, the Japan Diabetes Society (JDS), (Yokohama, Japan), May 1991

Invited Speaker, Symposium on Diabetes and Hypertension, Juvenile Diabetes Association (JDA), (London, United Kingdom), July 1990

Invited Speaker, Symposium on Neural Regulation of Metabolism, University of Toronto, (Toronto, ON, Canada), June 1990

Invited Speaker, 6th Meeting of the International Study Group on Diabetes Treatment with Implantable Insulin Delivery Devices, (Nice, France), June 1990

Keynote Speaker, Symposium on Insulin Action, East Carolina University School of Medicine (ECUSOM), (Greenville, NC), Nov 1989

Invited Speaker, 20th Anniversary of Insulin Crystal Structure Determination - Conference on Insulin Structure, Chemistry and Biology, University of York, (York, North Yorkshire, United Kingdom), Sept 1989

Lilly Lecturer (Outstanding Scientific Achievement Award), 49th Annual Scientific Sessions, American Diabetes Assn. (ADA), (Detroit, MI), June 1989

Invited Speaker, Workshop, “Modeling in Biomedical Research: An Assessment of Current and Potential Approaches: Applications to Studies in Cardiovascular/Pulmonary Function and Diabetes”, National Institutes of Health (NIH), (Bethesda, MD), May 1989

Invited Speaker, Spielshrift for Geza Hetenyi, on the Occasion of his Retirement, University of Ottawa, (Ottawa, ON, Canada), May 1989

Plenary Speaker, Annual Meeting of the Diabetes Association and the Endocrinology Society of the Republic of China (Taiwan), Taipei Veterans General Hospital, (Taipei, Taiwan), March 1989

Upjohn Visiting Professor, Phoenix Epidemiology & Clinical Research Branch (PECRB), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), (Phoenix, AZ), Dec 1988

Keynote Speaker, Workshop on, “The Minimal Model of Glucose Metabolism”, (Sydney, Australia), Nov 1988

“Meet the Professor”, Talk on “Assessment of Insulin Release and Action in Vivo” during the 13th International Diabetes Federation (IDF) Congress, (Sydney, Australia), Nov 1988

Invited Speaker, Satellite Symposium on “Computers & Quantitative Approaches to Diabetes”, during the 13th International Diabetes Federation (IDF) Congress, (Sydney, Australia), Nov 1988

Plenary Speaker, Department of Biochemistry 8th Annual Spring Symposium on “New Biological Concepts in Aging” (Talk on “Quantitative Approaches to Pathogenesis of Age-Related Metabolic Conditions”), George Washington University School of Medicine and Health Sciences (GWSMHS), (Washington, DC), May 1988

Invited Speaker, NOVO Conference on Pathogenesis of Type II Diabetes, (Copenhagen, Denmark), May 1988

Invited Speaker, 2nd World Conference on Diabetes Research, Juvenile Diabetes Research Foundation International (JDRF) (Monaco, Monte Carlo), March 1988

Lilly Lecturer, University of Cincinnati School of Medicine, (Cincinnati, OH), Feb 1988

Invited Speaker and Organizer, Conference on Experimental and Theoretical Analysis of Metabolic Processes, American Society for Microbiology (ASM), (Bigfork, MT), Sept 1987

Keynote Speaker, Symposium on “Mathematical Models in Experimental Nutrition” (Talk on “Modeling and the Homeostasis of Fuel Regulation”), during the 68th Annual Meeting of the Pacific Division, American Association for the Advancement of Science (AAAS), San Diego State University, (San Diego, CA), June 1987

Invited Speaker, Workshop on “Endogenous Insulin, Sex Hormones and Coronary Heart Disease”, National Institutes of Health (NIH), (Bethesda, MD), May 1987

Invited Speaker, Nobel Conference on “Pathogenesis of Non-Insulin Dependent Diabetes Mellitus”, Karolinska Institute, (Stockholm, Sweden), May 1987

Invited Speaker, International Conference on Insulin Action and Diabetes, (Calgary, AB, Canada), March 1987

Plenary Speaker, 3rd Annual International Symposium on Insulin Receptors and Insulin Action, (Malaga, Spain), Nov 1986

Invited Speaker, Minneapolis City-wide Endocrinology Conference, Division of Endocrinology, University of Minnesota, (Minneapolis, MN), 1986

Invited Speaker, Conference on “Pathogenesis of Diabetes Mellitus”, in honor of Rachmiel Levine, (Pasadena, CA), June 1986

Invited Speaker, American Diabetes Assn. (ADA)/N. American Assoc. for the Study of Obesity (NAASO) Joint Symposium on “Obesity and Non-Insulin Dependent Diabetes Mellitus”, (Toronto, ON, Canada), Oct 1985

Invited Speaker, Workshop on “Glucose Kinetics in Vivo”, during the 12th International Diabetes Federation (IDF) Congress, (Madrid, Spain), Sept 1985

Invited Speaker, 2nd International University of Virginia Conference on Diabetes, (Charlottesville, VA), Oct 1984

Invited Speaker, National Institutes of Health (NIH) Symposium on “Mathematics and Computers in Biomedical Applications”, (Bethesda, MD), Aug 1984

Pfizer Traveling Fellow, Montreal Institute for Clinical Research (ICRM), (Montreal, QC, Canada), Jan 1984

Invited Speaker, 26th Annual Meeting of the Endocrine Society of Australia (ESA), (Canberra, Australia), Sept 1983

Invited Speaker, 29th Congress of the International Union of Physiological Sciences (IUPS), University of New South Wales, (Sydney, Australia), Sept 1983

Faculty Member, Serono Training Course on “Computers in Endocrinology”, (Sardinia, Italy), May-June 1983

Invited Speaker, Workshop on “Effects of Oral Contraceptives on Metabolism”, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), (Chicago, IL), Fall 1982

Invited Speaker, American Diabetes Assn. (ADA), Postgraduate Course in Diabetes Advances, (Chicago, IL), Oct 1982

Invited Speaker, Tracer Methodology Symposium on “Problems in Metabolic Homeostasis: Examination with Stable and/or Radioisotope Compounds”, during the 66th Annual Meeting of the Federation of American Societies for Experimental Biology (FASEB), FASEB Tracer Methodology Study Group, (New Orleans, LA), April 1982

Keynote Speaker and Chair, Symposium on “Oscillations in Hormonal and Substrate Signals”, University of Washington Diabetes Center, (Seattle, WA), 1982

Invited Speaker, Symposium on “Quantitative Dynamic Regulation of Glucose Metabolism in Physiology and Diabetes”, during the 31st Annual American Physiological Society (APS) Fall Meeting, (Toronto, ON, Canada), Oct 1980

Invited Speaker, Symposium on “Mathematical Modeling in Endocrine Systems” during the 64th Annual Meeting of the Federation of American Societies for Experimental Biology (FASEB), FASEB Tracer Methodology Study Group, (Anaheim, CA), April 1980

Chair and Invited Speaker, “Carbohydrate Metabolism: Quantitative Physiology and Mathematical Modelling”, (Padova, Italy), Sept 1979

Invited Speaker, Gordon Conference on “Theoretical Biology and Biomathematics”, (Tilton, NH), June 1979

Invited Speaker, Fogarty International Workshop, “Physical Chemical Aspects of Cell Surface Events”, (Bethesda, MD), Oct 1978

Session Chair and Invited Speaker, Symposium on “Theoretical Aspects of Tracer Methods” during the 62nd Annual Meeting of the Federation of American Societies for Experimental Biology (FASEB), FASEB Tracer Methodology Study Group, (Atlantic City, NJ), April 1978

Invited Speaker, National Institutes of Health (NIH) Workshop on “Artificial Devices for the Control of Blood Glucose”, National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), (Bethesda, MD), Dec 1977

Invited Speaker, International Union of Physiological Sciences (IUPS) Round Table on Hormone Receptors, (Paris, France), July 1977

Invited Speaker, Lecture on “Dynamic Integration of the Pancreatic Signals Controlling Hepatic Glucose Metabolism”, during the 5th International Congress of Endocrinology (ICE),

International Society of Endocrinology (ISE), (Hamburg, Federal Republic of Germany), July 1976
Invited Speaker, Conference on “Glucose Recycling and Gluconeogenesis” during the 59th Annual Meeting of the Federation of American Societies for Experimental Biology (FASEB), FASEB Tracer Methodology Study Group, (Atlantic City, NJ), April 1975
Invited Speaker, Symposium on “Control Systems in Biology and Medicine”, during the 141st American Association for the Advancement of Science (AAAS) Annual Meeting, (New York, NY), Jan 1975
Invited Speaker, American Physiological Society (APS) IFAC Symposium on Biological Modeling (“Regulation and Control in Physiological Systems”), (Rochester, NY), Aug 1973
Invited Speaker, Kroc Conference on Simulation of Endocrine and Metabolic Systems, Kroc Foundation, (Santa Barbara, CA), April 1973
Invited Speaker, Laurentian Hormone Conference (Mont-Tremblant, QC, Canada), Aug 1970

J. TEACHING AND TRAINING RECORD (ABBREVIATED)

Advisor for Doctoral Students (Present Position)

Richard Bucolo
 Lester B. Ostroy
 Mahmoud F. El Refai
 Gerald J. Taborsky, Jr. (Professor,
 Department of Medicine, Division
 of Metabolism, Endocrinology and
 Nutrition, University of
 Washington, Seattle, WA)
 Y. Ziya Ider (Professor, Bilkent
 University, Ankara, Turkey)
 Diane T. Finegood (President and CEO,
 Michael Smith Foundation for
 Health Research; Professor,
 Department of Biomedical
 Physiology and Kinesiology, Simon
 Fraser University, Burnaby, BC,
 Canada)
 Patricia Cane (Retired)
 Jang Youn (Associate Professor,
 Department of Physiology and
 Biophysics, Keck School of
 Medicine of USC, Los Angeles, CA)
 Marilyn Ader (Associate Director,
 Diabetes and Obesity Research
 Institute; Faculty, Biomedical
 Sciences, Cedars-Sinai, Los Angeles,
 CA)
 Yeon Yang (Ulsan Medical School,
 Mugeo-dong, Ulsan, South Korea)
 David Bradley (Chief of Research,
 Intellis Corporation, San Diego,
 CA)

Renee Poulin Kinman (Co-Director,
UCSF-Fresno Pediatric Scholars
Program; Physician, Endocrinology,
Children's Hospital Central
California, Fresno, CA)

Garry Steil (Scientist, Boston Children's
Hospital, Boston, MA)

Richard Watanabe (Associate Professor,
Department of Preventive Medicine,
Division of Biostatistics, and
Department of Physiology and
Biophysics; Vice Chair for
Education, Department of
Preventive Medicine, Keck School
of Medicine of USC, Los Angeles,
CA)

Xiang Hui (terminal M.S.)

Lisa (Getty) Kaushik (Adjunct Professor,
Middlesex Community College,
Bedford, MA)

Steven Mittelman M.D. (Associate
Professor, Pediatrics and Physiology
& Biophysics, Center for
Endocrinology, Diabetes &
Metabolism, Keck School of
Medicine, Children's Hospital Los
Angeles, Los Angeles, CA)

Melvin Dea, M.D. (Staff Physician,
Kaiser Permanente, Los Angeles,
CA)

Kavan Reise (terminal M.S.)

Gregg Van Citters (Manager, Risk
Management, Medtronic,
Northridge, CA)

Viorica Ionut, M.D. (past Faculty,
Biomedical Sciences, Cedars-Sinai;
deceased)

Stella Kim (Faculty, Biomedical Sciences,
Cedars-Sinai, Los Angeles, CA)

Karyn (Catalano) Wang (Intermediate
Health Data Analyst, Blue Shield of
California, San Francisco, CA)

Isabel Hsu, M.D. (Resident, CHLA, Los
Angeles, CA)

Jenny Chiu, M.D. (Resident, USC, Los
Angeles, CA)

Maya Lotatti (Resident, Internal
Medicine, VCA Veterinary
Specialists of the Valley, Woodland
Hills, CA)

Darko Stefanovski (Faculty, Biostatistics
Section, New Bolton Center
Campus, University of Pennsylvania)

School of Veterinary Medicine,
Kennett Square, PA)
Lisa Nicole (Harrison) Odom, M.D.
(Resident, Pediatrics, Children's
Medical Center of Dallas, Dallas,
TX)
Dan Zheng (Practicing Physician)
Malini Iyer (Postdoctoral Fellow,
Department of Biomedical Sciences,
Cedars-Sinai, Los Angeles, CA)
Isaac Asare Bediako
Rebecca Paszkiewicz

Postdoctoral Fellows (present position)

Charles R. Bowden, M.D. (Former Vice-
President, Janssen)
Giovanni Pacini, D.Sc. (Research
Director, National Institute of
Biomedical Engineering (ISIB)-
National Research Council (CNR),
Padova, Italy)
Gianna Toffolo (Professor, Department
of Information Engineering,
University of Padova, Padova, Italy)
Patricia Cane (Retired)
Inez Hope (Attorney)
Melissa A. Meador, Ph.D. (Associate
Professor, Section on Biology,
Arkansas State University-Beebe,
Beebe, AR)
Marilyn Ader, Ph.D. (Associate Director,
Diabetes and Obesity Research
Institute; Faculty, Biomedical
Sciences, Cedars-Sinai, Los Angeles,
CA)
Joyce Richey, Ph.D. (Assistant Professor,
Department of Physiology and
Biophysics; Program Director,
Educational Affairs; Assistant Dean,
Medical Education, Keck School of
Medicine of USC, Los Angeles, CA)
Kerstin Rebrin, M.D., Ph.D. (Director,
Global Medical & Scientific Affairs,
Roche Diabetes Care, Indianapolis,
IN)
Marianthe Hamilton-Wessler, Ph.D.
(Executive Medical Liaison-
Diabetes, Clin. Dev. and Med. Reg.,
Novo-Nordisk, Inc., Plainsboro, NJ)
Ta-Chen "Chester" Ni, Ph.D. (Senior
Machine Learning Scientist,
Microsoft, Redmond, WA)

Lise Kjems, M.D. (Executive Medical Director, Intarcia Therapeutics, Boston, MA)

Sarah Yu (Pharmacist)

Martin Ellmerer, Ph.D. (Scientific Coordinator - CLINICIP, Division of Diabetes and Metabolism, Department of Internal Medicine, University of Graz, Graz, Austria; Site Manager, B.Braun Melsungen AG)

Morvarid Kabir, Ph.D. (Faculty, Biomedical Sciences, Cedars-Sinai, Los Angeles, CA)

Katrin (Huecking) Ritzel, M.D. (Senior Resident, Medizinische Klinik und Poliklinik IV, University of Munich, Munich, Bavaria, Germany)

Idit Liberty, M.D. (Instructor, Department of Medicine E, Soroka University Medical Center, Ben Gurion University, Be'er Sheva, Israel)

Orison Woolcott, M.D. (Project Scientist, Biomedical Sciences, Cedars-Sinai, Los Angeles, CA)

Cathryn Kolka, Ph.D. (Faculty, Biomedical Sciences, Cedars-Sinai, Los Angeles, CA)

Viorica Ionut, M.D., Ph.D. (past Faculty, Biomedical Sciences, Cedars-Sinai; *deceased*)

Darko Stefanovski, Ph.D. (Faculty, Biostatistics Section, New Bolton Center Campus, University of Pennsylvania School of Veterinary Medicine, Kennett Square, PA)

Dan Zheng, M.D., Ph.D. (Practicing Physician)

Ana Valeria Barros de Castro Noushmehr, M.D. (Professor, Department of Endocrinology, Centro Universitário Barão de Mauá, Sao Paulo, Brazil)

Josiane Broussard, Ph.D. (Assistant Research Professor, Department of Integrative Physiology, University of Colorado Boulder, Boulder, CO)

Malini Iyer, Ph.D. (Postdoctoral Fellow, Biomedical Sciences, Cedars-Sinai, Los Angeles, CA)

Francesca Piccinini, Ph.D. (Postdoctoral Fellow, Biomedical Sciences, Cedars-Sinai, Los Angeles, CA)

Sabbaticals with R. Bergman (position during sabbatical)

Eduard I. Galperin, M.D. (Moscow First Medical Institute, Moscow, Russia)
Casey Donovan, Ph.D. (Kinesiology, University of Southern California, Los Angeles, CA)
David Cohen, Ph.D. (President, Anaplerosis Associates, Inc., formerly DMC Consulting, Inc., Omaha, NE)
Aage Volund, Ph.D. (Director of Biostatistics, Novo Research Institute; 1986-87 and 1991)
Zhang You-Hong (Bioengineering, Shanghai)
Giovanni Pacini, D.Sc. (Research Director, National Institute of Biomedical Engineering (ISIB)-National Research Council (CNR), Padova, Italy)
Joyce Richey, Ph.D. (University of Michigan, Detroit, MI)
Raymond Boston, Ph.D. (University of Pennsylvania, Philadelphia, PA)
David Polidori, Ph.D. (Senior Director, Translational Medicine, Janssen Research & Development, San Diego, CA)

Teaching Responsibilities (partial)

Pathophysiology of Obesity, University of Southern California
Graduate Seminar on “What is Integrative Biology?”, University of Southern California)
Graduate Seminar in Modeling in Endocrinology and Metabolism, University of Southern California)
Graduate Course in Systems Physiology (team taught)
Gerontology Course, University of Southern California (team taught)
Undergraduate Course in Systems Physiology (team taught)
Medical School Lecturing in Physiology, including Metabolism, Endocrinology, Diabetes, and Respiratory and Muscle Physiology (various years)
Participant, Course in Methods in Clinical Research, University of Southern California
Complete Courses at Northwestern and University of Southern California, including Systems Physiology, Modeling in Endocrinology and Metabolism, Methods in Physiological Research, Introduction to Biomedical Engineering, etc., 1971-2009
Graduate Seminar on “Diabetes Research” (Cardiovascular Core: “Control of Blood Pressure, Renal Function and Cardiovascular Disease”), Department of Biomedical Sciences, Cedars-Sinai, the summers of 2014, 2015, and 2016

Seminar on “Physiologic phenotyping of insulin-related traits” (FSIGT, clamp, etc), during Diabetes Summer Course, Division of Endocrinology, Diabetes & Metabolism, Department of Medicine, Cedars-Sinai, Sept 2015, 2016, and 2017

K. PUBLICATIONS

Papers (peer-reviewed):

1. Bergman R.N. and J. Urquhart. The pilot gland approach to the study of insulin secretory dynamics. *Recent Prog. Horm. Res.* 17:583-605, 1971.
2. Yates F.E., D.J. Marsh, S.W. Smith, M. Ookhtens, and R.N. Bergman. Stability of biochemical systems and the attendant data handling problem. *In: H.W. Sorenson, A.D. Dayton, R.E. Mortensen, E.B. Stear, and A.R. Stubberud, Eds., Proc. Third Symp. on Nonlinear Estimation Theory and its Applications, September 11-13, 1972, La Jolla, CA*, pp. 301-310. University of California, San Diego, Department of the Aerospace and Mechanical Engineering Sciences, San Diego, 1972.
3. Yates F.E., D.J. Marsh, S.W. Smith, M. Ookhtens, and R.N. Bergman. Modeling metabolic systems and the attendant data handling problem. *In: A.S. Iberall and A.C. Guyton, Eds., Regulation and Control in Physiological Systems: Proceedings of the Conference; from the IFAC Symposium on “Regulation and Control in Physiological Systems”, August 22-24, 1973, Rochester, NY*, pp. 464-468. International Federation of Automatic Control, distributed by Instrument Society of America, Pittsburgh, 1973.
4. Bergman R.N. and R.E. Miller. Direct enhancement of insulin secretion by vagal stimulation of the isolated pancreas. *Am. J. Physiol.* 225:485-489, 1973.
5. Bergman R.N. and R.J. Bucolo. Nonlinear metabolic dynamics of the pancreas and liver. *J. Dyn. Syst. Meas. Cont.* 95:296-300, 1973. doi:10.1115/1.3426718.
6. Bergman R.N. and S.P. Azen. Measurement error inherent in the determination of hepatic glucose balance. *J. Appl. Physiol.* 36:269-273, 1974.
7. Ookhtens M., D.J. Marsh, S.W. Smith, R.N. Bergman, and F.E. Yates. Fluctuations of plasma glucose and insulin in conscious dogs receiving glucose infusions. *Am. J. Physiol.* 226:910-919, 1974.
8. Bucolo R.J., R.N. Bergman, D.J. Marsh, and F.E. Yates. Dynamics of glucose autoregulation in the isolated, blood-perfused canine liver. *Am. J. Physiol.* 227:209-217, 1974.
9. Bergman R.N. and R.J. Bucolo. Interaction of insulin and glucose in the control of hepatic glucose balance. *Am. J. Physiol.* 227:1314-1322, 1974.
10. Bergman R.N. and M. El Refai. Modeling studies of the dynamic control of hepatic glucose balance. *J. Dyn. Meas. Control.* 97:226-275, 1975. doi:10.1115/1.3426930.
11. Bergman R.N. and M. El Refai. Dynamic control of hepatic glucose metabolism: Studies by experiment and computer simulation. *Ann. Biomed. Eng.* 3:411-432, 1975. doi:10.1007/BF02409326
12. Bergman R.N., R.E. Kabala, and K. Spingarn. Optimizing inputs for diagnosis of diabetes: I. Fitting a minimal model to data. *J. Optimiz. Theor. Applic.* 20:47-63, 1976. doi:10.1007/BF00933347.
13. El Refai M. and R.N. Bergman. Simulation study of the control of hepatic glycogen synthesis by glucose and insulin. *Am. J. Physiol.* 231:1608-1619, 1976.

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