The Pinnacle Society represents the American Diabetes Association’s commitment to acknowledge and honor our major gift donors and offers a structure that will allow major donors to give to the best of their ability over time. Donors can reach higher Pinnacle levels by giving additional cumulative gifts to the Association or the ADA Research Foundation. Pinnacle Society membership is a strong demonstration of commitment to support our mission — to prevent and cure diabetes and to improve the lives of all people affected by diabetes. A donor can choose to become involved in the Pinnacle Society in a variety of ways and pledge a gift over 3–5 years. A gold Pinnacle Society pin is conferred at the Pinnacle level, and a diamond chip is added to the pin for each subsequent level.

## Pinnacle Society Levels and Benefits

### PINNACLE APEX – $1,000,000 and above
A customized stewardship plan that includes all Pinnacle Society benefits and
- Named ADA program or research project with special Request for Application in a targeted research area
- Yearly update on projects by National Vice President of Research Programs
- Personal research updates from scientists
- Customized facility or laboratory tour
- Special announcement in *Diabetes Forecast*
- Invitation to an international diabetes conference
- Special recognition/announcement at ADA’s annual Community Assembly, Scientific Sessions, and Pinnacle Society meeting

### PINNACLE CREST – $500,000 to $999,999
- Request for Application in a targeted research area beginning at the $600,000 level
- Named ADA program or research project at the $500,000 level
- Invitation to annual Pinnacle Society meeting and special reception at another appropriate opportunity
- Invitation to ADA annual Community Assembly and Scientific Sessions
- All of the following *Crown* benefits

### PINNACLE CROWN – $250,000 to $499,999
- Full sponsorship of a named ADA program or research project
- Customized facility or laboratory tour
- Web site and annual report recognition for the duration of the sponsorship
- All of the following *Spire* benefits

### PINNACLE SPIRE – $100,000 to $249,999
- Partial or full sponsorship of an ADA program or researcher
- Press releases on gifts
- Acknowledgment in scientific journal articles
- Invitation to research update event
- Annual report recognition for the duration of the sponsorship
- All of the following *Plus* benefits

### PINNACLE PLUS – $50,000 to $99,999
- Partial sponsorship of an ADA program or research project
- Special thank-you letter from selected program director or researcher
- Annual project report from selected program director or scientist
- All of the following *Pinnacle* benefits

### PINNACLE – $10,000 to $49,999
- Recognition in the ADA annual report
- Invitation to annual Pinnacle Society meeting
- Pinnacle pin presentation at Pinnacle Society Meeting or another appropriate opportunity
2006 AWARD RECIPIENTS

AMERICAN DIABETES ASSOCIATION

DIABETES UPDATE

Diabetes Is an Epidemic

Nearly 21 million Americans have diabetes and 54 million have pre-diabetes. This year, approximately 1,300,000 adults will be diagnosed with the disease; type 2 diabetes is being diagnosed in children and adolescents with increasing frequency. One in three Americans, and one in two minorities, born in 2000 will develop diabetes if current trends continue.

Diabetes takes a huge toll on human lives and on health care costs. Health care expenses for a person with diabetes are up to five times higher than those of people without diabetes. In 2002, direct and indirect medical expenditures attributable to diabetes in the U.S. were $132 billion.

Accomplishments

Charitable gifts to the American Diabetes Association (ADA) and the ADA Research Foundation make scientific advances possible. Some ongoing ADA-sponsored research projects have

- isolated and identified an adult pancreatic stem cell, which can potentially develop into insulin-producing cells in the pancreas. If this cell can replicate itself in the laboratory, it could produce unlimited quantities of specialized cells for treating diabetes.
- discovered seven genetic defects responsible for causing obesity.
- determined whether some therapies used to treat hypertension and elevated cholesterol can help prevent type 2 diabetes.
- developed a line of human beta cells that secrete insulin and function like healthy pancreatic beta cells, and can replicate to form large numbers of cells for transplantation.

Ensuring the Best Research

ADA-funded research provides scientific insights that benefit everyone affected by diabetes.

You can help the ADA find new ways to treat diabetes and its complications and, ultimately, discover a cure. By becoming a Pinnacle Society member, you support research that is

- exploring genetic and environmental factors that may trigger the onset of diabetes.
- finding new approaches to delay or prevent type 2 diabetes.
- creating new cell replacement therapies utilizing stem cell research as well as alternative forms of insulin replacement.
- studying new ways to prevent hypoglycemia, cardiovascular and microvascular complications, nephropathy, retinopathy, and neuropathy.
- preventing and treating diabetes through educational, behavioral, and psychosocial approaches to patient care.
- designing improved and culturally accessible health care delivery systems.
- preventing the cascade of health problems accompanying pregnancy in women with diabetes.

During 2004, the ADA Research Foundation allocated $36,500,000 to more than 450 awards nationwide. In 2005, we allocated $40,000,000 to 500 awards at 160 institutions. In fiscal year 2006, we allocated $46,400,000. Research is the only path to curing diabetes and improving care. Now is the time to fund the research that ultimately will improve the lives of people with or at risk for diabetes. Contact the American Diabetes Association Research Foundation to learn how you can sponsor a research opportunity.

For more information contact:
Office of Individual Giving
1701 North Beauregard Street
Alexandria, VA 22311
1-888-700-7029
giving@diabetes.org
Research Awards

**ADA-ASP Young Investigator Innovation Award in Geriatric Endocrinology**
Award Amount: $150,000  Term: 2 years
The American Diabetes Association (ADA) – Association of Subspecialty Professors (ASP) Young Investigator Innovation Award in Geriatric Endocrinology provides grant support to entry-level faculty integrating geriatrics with novel basic, clinical, or health services diabetes research.

**Clinical Research Award**
Award Amount: $600,000  Term: 3 years
These clinical trials use human patients in controlled experiments. This essential research tests new diabetes prevention and treatment methods.

**Henry Becton Innovation Award**
Award Amount: $100,000  Term: 2 years
Funded by Becton, Dickinson and Company, this pilot and feasibility grant supports clinical research in the areas of
1. Medical informatics in direct patient therapy
2. Advanced methods of insulin delivery
3. Community-based care
   • Role of allied health professionals
   • Care of children with type 2 diabetes

**Innovation Award**
Award Amount: $100,000  Term: 2 years
This pilot and feasibility grant is designed to support novel hypotheses that may lack preliminary data, but which offer considerable promise for the prevention or treatment of diabetes.

**Research Award**
Award Amount: $300,000  Term: 3 years
This research grant provides preeminent diabetes researchers with the resources to improve diabetes therapies, develop new preventions, and find a cure.

Development Awards

**Career Development Award**
Award Amount: $912,500  Term: 5 years
Career Development Awards enable new faculty investigators to make the critical transition to independent investigator status. The Career Development Award winner receiving the top score in a given fiscal year is named the “Thomas R. Lee Career Development Award” winner.

**Distinguished Clinical Scientist Award**
Award Amount: $800,000  Term: 4 years
This award supports outstanding researchers and thought leaders who have made novel or watershed contributions to clinical diabetes research and who will continue to provide leadership in their research area.

**Junior Faculty Award**
Award Amount: $414,000  Term: 3 years
This award assists promising new investigators in developing their independence as diabetes researchers.
2006 AWARD RECIPIENTS
AMERICAN DIABETES ASSOCIATION

THE AMERICAN DIABETES ASSOCIATION RESEARCH AWARDS

Targeted Awards

Islet Cell Replacement in Type 1 Diabetes Award
Award Amount: $1,000,000 Term: 4 years
This award provides support for three major areas of research that focus on cell-based insulin replacement in type 1 diabetes: stem cell research, genetic engineering of non-pancreatic cells to produce insulin, and transplantation research. Pinnacle Apex sponsors for this award are Edsel Ford, II, and Cynthia Ford and Don and Arleen Wagner.

Lions SightFirst Diabetic Retinopathy Award
• Clinical Research Awards
  Award Amount: $300,000 Term: 2–3 years
• Training Awards
  Award Amount: $80,000 Term: 2–3 years
• Equipment Grants
  Award Amount: $25,000 Term: 2–3 years
These research, training, and equipment grants, funded by the Lions Clubs International Foundation, support clinical or applied research in diabetic retinopathy in the U.S. and abroad. Awards are given to support new treatment regimens, epidemiology, and translation research.

Novo Nordisk Clinical Research Award
Award Amount: $300,000 Term: 3 years
This award provides funding for educational and behavioral clinical outcomes studies supporting patients with type 2 diabetes in making the decision to choose, initiate, and continue insulin therapy.

Richard & Susan Smith Family Foundation Pinnacle Program Project Award
Award Amount: $1,425,000 ($200,000 per project) Term: 2 years (renewable)
This award was established to stimulate new collaborations between investigators working on independent but complementary basic science, clinical, and translational research projects to better understand or prevent the onset of type 2 diabetes.

Terry and Louise Gregg Diabetes in Pregnancy Research Award
Award Amount: $300,000 Term: 3 years
This award supports clinical and basic science studies in several areas of research that focus on diabetes in pregnancy, including the role of leptin in fetal growth, regulation of placental vascular growth, changes in beta-cell mass and C-peptide during pregnancy, the role of cytokines in placental and fetal growth, and the influence of maternal autoantibodies on the fetus.

Training Awards

ADA-EASD TransAtlantic Fellowship Award
Award Amount: $50,000 Term: 1 year
This award is designed to facilitate collaboration between European and American scientists. Fellowships support investigators from Europe to study in the U.S. and U.S. fellows to study in Europe.

ADA-Takeda Pharmaceuticals Mentor-Based Minority Postdoctoral Fellowship Award
Award Amount: $45,000 Term: 2–3 years
This fellowship supports the training of an underrepresented minority postdoctoral fellow with an established diabetes investigator.

Medical Scholars Award
Award Amount: $30,000 Term: 1 year
This award enables medical students to participate in basic and clinical diabetes research studies.

Mentor-Based Postdoctoral Fellowship Award
Award Amount: $180,000 Term: 4 years
This fellowship trains a promising diabetes researcher working under the tutelage of an established investigator. The American Podiatric Medical Association co-supports one of these awards.

Physician Scientist Training Award
Award Amount: $90,000 Term: 3 years
This award provides support for MD/PhD students pursuing a career in diabetes research. The interest can be in either basic or clinical research.
ALABAMA

Connie L. Kohler, DrPH
University of Alabama at Birmingham
Birmingham, AL
Type of Support: Clinical Research Award
Project Title: Evaluation of a radio drama to reduce diabetes risk behavior

Suresh T. Mathews, PhD
Auburn University
Auburn, AL
Type of Support: Junior Faculty Award
Project Title: Role of alpha 2-HS glycoprotein in insulin resistance: Mechanism and functional characterization

Paul E. Wolkowicz, PhD
University of Alabama at Birmingham
Birmingham, AL
Type of Support: Research Award
Project Title: Prostaglandin E2 activation of heart contractility in insulin-dependent diabetes

ARIZONA

Peter H. Bennett, MB, FRCPC, FFCM
National Institutes of Health
Phoenix, AZ
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: An explanation for the increase in heart disease mortality rates in diabetic Pima Indians: Effect of renal replacement therapy

Clifton Bogardus, MD
National Institutes of Health
Phoenix, AZ
Type of Support: Distinguished Clinical Scientist Award
Project Title: Etiology of diabetes and obesity in Pima Indians

Clifton Bogardus, MD
National Institutes of Health
Phoenix, AZ
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Genetic determinants of obesity and type 2 diabetes mellitus in Pima Indians

Lawrence John Mandarino, PhD
Arizona State University
Tempe, AZ
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Mechanisms of insulin resistance in human muscle

Christian Meyer, MD
Carl T. Hayden Veterans Affairs Medical Center
Phoenix, AZ
Type of Support: Career Development Award
Project Title: Effect of short-term beta-adrenergic blockade on hypoglycemia unawareness

Peter David Reaven, MD
Carl T. Hayden Veterans Affairs Medical Center
Phoenix, AZ
Type of Support: Clinical Research Award
Project Title: Mechanisms of atherosclerosis and macrovascular disease in type 2 diabetes

Johanna K. Wolford, PhD
Translational Genomics Research Institute
Phoenix, AZ
Type of Support: Career Development Award
Project Title: Genetic basis of diabetic nephropathy

Johanna K. Wolford, PhD
Translational Genomics Research Institute
Phoenix, AZ
Type of Support: Minority Undergraduate Internship Award
Project Title: Identification of genes predisposing to diabetic nephropathy
ARKANSAS

Robert Clayton Bunn, PhD  
University of Arkansas for Medical Sciences  
Little Rock, AR  
Type of Support: Junior Faculty Award  
Project Title: Pro-atherosclerotic gene expression in macrophages: Regulation by insulin and effects on smooth muscle cells

Steven C. Elbein, MD  
University of Arkansas for Medical Sciences  
Little Rock, AR  
Type of Support: Research Award  
Project Title: Characterization of type 2 diabetes susceptibility alleles at the PKLR locus

Beata Lecka-Czernik, PhD  
University of Arkansas for Medical Sciences  
Little Rock, AR  
Type of Support: Research Award  
Project Title: The effect of anti-diabetic PPAR-gamma antagonists on bone

Randall Joseph Owens, PhD  
University of Arkansas for Medical Sciences  
Little Rock, AR  
Type of Support: Clinical Research Award  
Project Title: Regulation of adiponectin in adipocytes by thiazolidinediones

Kaveh Ashrafi, PhD  
University of California, San Francisco  
San Francisco, CA  
Type of Support: The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
Project Title: Systematic identification of pathways contributing to diabetes and obesity in human patients: C. elegans RNAi Screen  
Funded by: The Richard & Susan Smith Family Foundation

Ganesaratnam K. Balendiran, PhD  
City of Hope, Beckman Research Institute  
Duarte, CA  
Type of Support: Research Award  
Project Title: Role of fibrates in diabetes and its complications

John Darling Baxter, MD  
University of California, San Francisco  
San Francisco, CA  
Type of Support: Research Award  
Project Title: Thyroid hormone receptor beta modulated genes involved in fatty acid metabolism and cholesterol homeostasis

Thomas Allen Buchanan, MD  
University of Southern California  
Los Angeles, CA  
Type of Support: Distinguished Clinical Scientist Award  
Project Title: Etiology, pathogenesis and prevention of type 2 diabetes

George K. Chandy, MD, PhD  
University of California, Irvine  
Irvine, CA  
Type of Support: Research Award  
Project Title: Potassium channels in lymphocytes: Therapeutic targets for immunomodulation in type 1 diabetes mellitus

CALIFORNIA

Sharon Gail Adler, MD  
Harbor-UCLA Research and Education Institute  
Torrance, CA  
Type of Support: Research Award  
Project Title: Preventing diabetic nephropathy by restoring a protective adaptation: Mechanism and practice
Nai-Wen Chi, MD, PhD
University of California, San Diego
La Jolla, CA
Type of Support: Career Development Award
Project Title: Characterization of tankyrase, an insulin signaling target, as a regulator of glucose homeostasis

Roger Alan Davis, PhD
San Diego State University
San Diego, CA
Type of Support: Innovation Award
Project Title: Role of thioredoxin interacting protein in insulin secretion, beta-cell function and diabetes

Andrew G. Dillin, PhD
Salk Institute for Biological Studies
La Jolla, CA
Type of Support: Junior Faculty Award
Project Title: Specificity of insulin/IGF-1 signaling in C. elegans

Robert V. Farese, Jr., MD
The J. David Gladstone Institutes
San Francisco, CA
Type of Support: Research Award
Project Title: Specificity of insulin/IGF-1 signaling in C. elegans

Assiamira Ferrara, MD, PhD
Kaiser Permanente Division of Research
Oakland, CA
Type of Support: Clinical Research Award
Project Title: Is past use of hormonal contraceptives associated with increased risk of gestational diabetes mellitus?

Barry M. Forman, MD, PhD
City of Hope, Beckman Research Institute
Duarte, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Nuclear receptors and the pathology of insulin resistance

David Gregory Gardner, MD
University of California, San Francisco
San Francisco, CA
Type of Support: Research Award
Project Title: Cardiac lipotoxicity: The role of myocyte steatosis

Michael German, MD
University of California, San Francisco
San Francisco, CA
Type of Support: Islet Cell Replacement in Type 1 Diabetes Award
Project Title: Transformation of progenitor cells to beta cells

Ira D. Goldfine, MD
University of California, San Francisco
San Francisco, CA
Type of Support: Research Award
Project Title: Analysis of the insulin receptor by STEM
Nestor F. Gonzalez-Cadavid, PhD
Harbor-UCLA Research and Education Institute
Torrance, CA
Type of Support: Research Award
Project Title: Erectile dysfunction and vascular fibrosis in diabetes

Michael Isaac Goran, PhD
University of Southern California
Los Angeles, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Mentor-based postdoctoral training in pediatric obesity and type 2 diabetes

Erica Pauline Gunderson, PhD
Kaiser Permanente
Oakland, CA
Type of Support: Research Award
Project Title: Prospective study of childbearing and correlates of insulin resistance in nondiabetic women

Anne Peters Harmel, MD
University of Southern California
Los Angeles, CA
Type of Support: Clinical Research Award
Project Title: What are the factors associated with sustained global risk reduction in an underserved Latino population treated in a diabetes disease management program?

Peter J. Havel, PhD
University of California, Davis
Davis, CA
Type of Support: Research Award
Project Title: Role of adiponectin in the onset and progression of obesity-induced insulin resistance

Matthias Hebrok, PhD
University of California, San Francisco
San Francisco, CA
Type of Support: Research Award
Project Title: The role of Wnt/Hedgehog signaling in beta-cell development and function

Jeremy Josef Heit, BA
Stanford University
Stanford, CA
Type of Support: Medical Scholars Award
Project Title: Elucidating the role of Calcineurin and NFAT in maintaining beta-cell functions

Robert Roy Henry, MD
Veterans Medical Research Foundation
San Diego, CA
Type of Support: Distinguished Clinical Scientist Award
Project Title: Mechanisms of insulin resistance in metabolic syndrome and type 2 diabetes

Robert Roy Henry, MD
VA San Diego Healthcare System
San Diego, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Translational research of insulin resistance, obesity, and type 2 diabetes

Isabel Rey Huey Hsu, MA
University of Southern California
Los Angeles, CA
Type of Support: Physician Scientist Training Award
Project Title: Role of central nervous system control of oscillatory lipolysis in the development of insulin resistance
Wen-Chi Hsueh, PhD
University of California, San Francisco
San Francisco, CA
Type of Support: Research Award
Project Title: Obesity and the leptin-melanocortin signaling pathway: A candidate gene study

Lois Jovanovic, MD
Sansum Diabetes Research Institute
Santa Barbara, CA
Type of Support: Clinical Research Award
Project Title: Pregnancy as a model for rejuvenation of pancreatic beta-cell function

Michael Karin, PhD
University of California, San Diego
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Molecular and cellular mechanisms through which IKKbeta is involved in insulin resistance and type 2 diabetes

Andrew J. Karter, PhD
Kaiser Permanente Division of Research
Oakland, CA
Type of Support: Clinical Research Award
Project Title: Congestive heart failure and pioglitazone use

Jean Marie Lawrence, ScD
Kaiser Foundation Research Institute
Pasadena, CA
Type of Support: Clinical Research Award
Project Title: Epidemiology of gestational diabetes mellitus in a multi-ethnic population

Chih-Pin Liu, PhD
City of Hope, Beckman Research Institute
Duarte, CA
Type of Support: Research Award
Project Title: Induction of immune tolerance to pancreatic islets

Hugh O. McDevitt, MD
Stanford University
Stanford, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Apoptosis in the pathogenesis of type 1 diabetes

Samir Mitragotri, PhD
University of California, Santa Barbara
Santa Barbara, CA
Type of Support: Research Award
Project Title: Oral insulin delivery by intestinal patches

Marc Montminy, MD, PhD
Salk Institute for Biological Studies
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Role of CREB activity in carbohydrate and lipid metabolism

Marc Montminy, MD, PhD
Salk Institute for Biological Studies
La Jolla, CA
Type of Support: Research Award
Project Title: The role of the coactivator PGC-1 in the development of hepatic insulin resistance

Rama Natarajan, PhD
City of Hope, Beckman Research Institute
Duarte, CA
Type of Support: Research Award
Project Title: Signal transduction under diabetic conditions

Michael Oldstone, MD
The Scripps Research Institute
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Understanding the molecular basis of type 1 insulin-dependent diabetes
Jerrold M. Olefsky, MD
University of California, San Diego
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Beta-arrestin and insulin-induced proteosomal degradation of IRS-1 – A novel mechanism for insulin resistance
Funded by: The Estate of George Blair

Miklos Peterfy, PhD
University of California, Los Angeles
Los Angeles, CA
Type of Support: Research Award
Project Title: Positional cloning of a diabetes-susceptibility locus in a mouse model of type 2 diabetes

David J. Pettitt, MD
Sansum Medical Research Institute
Santa Barbara, CA
Type of Support: Clinical Research Award
Project Title: School-based study of glucose intolerance and polycystic ovary syndrome

Robert Leslie Raffai, PhD
University of California, San Francisco
San Francisco, CA
Type of Support: Junior Faculty Award
Project Title: Investigating the role of diabetic hyperglycemia in promoting the development and preventing the regression of peripheral atherosclerosis in a novel mouse model of peripheral arterial disease

Maike Sander, MD
University of California, Irvine
Irvine, CA
Type of Support: Research Award
Project Title: The role of Wnt signaling in pancreatic development and islet cell function

Nora Sarvetnick, PhD
The Scripps Research Institute
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Regulation of autoimmunity

Andreas Stahl, PhD
Palo Alto Medical Foundation
Palo Alto, CA
Type of Support: Career Development Award
Project Title: Control of fatty acid uptake in adipocytes and skeletal muscle cells by fatty acid transport proteins

Alfonso Tramontano, PhD
University of California, Davis
Davis, CA
Type of Support: Research Award
Project Title: Immunotherapy for diabetic complications of advanced glycation

Christian Vaisse, MD, PhD
University of California, San Francisco
San Francisco, CA
Type of Support: Research Award
Project Title: A novel pathogenic mechanism for human obesity associated melanocortin-4 receptor mutations

Matthias G. Von Herrath, MD
La Jolla Institute of Allergy and Immunology
La Jolla, CA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Cellular mechanisms of cytotoxic insulin-reactive T cells in different murine models of type 1 diabetes

Richard M. Watanabe, PhD
University of Southern California
Los Angeles, CA
Type of Support: Research Award
Project Title: Pharmacogenetics of diabetes prevention
Our Scientists Speak...

Patrick M. Catalano, MD — Case Western Reserve University at MetroHealth Medical Center, Cleveland, Ohio

“I have been involved personally with the local ADA office in Cleveland, as well as on a national level, and believe that the American Diabetes Association has an excellent combination of input from people in families living with diabetes as well as the commitment from the researchers aiming to make life with diabetes more livable.”

M. Elizabeth Hartnett, MD — University of North Carolina, Chapel Hill, North Carolina

“ADA donor support is essential for future safe and effective patient care, especially in view of the fact that the National Institutes of Health budget is being cut, making funding sources like the ADA greatly needed in order to study patient-based research, particularly in diabetes, which shows no signs of going away.”

Robert R. Henry, MD — University of California and San Diego VA Healthcare System, San Diego, California

“The ADA gave me my first opportunity to develop into a scientific researcher, and I continue to feel part of their team. Over the past 20 years, I have received many types of research awards from the ADA...These awards allow me to attract young investigators with substantial promise who, with guidance and direction, will hopefully lead the next generation of diabetes discovery.”

Teresa Hillier, MD, MS — Kaiser Permanente’s Center for Health Research Northwest, Portland, Oregon, and Honolulu, Hawaii

“Our ADA-funded study proposes to answer some of the questions about hyperglycemia (high blood glucose) in pregnancy and how it may affect the development of obesity and type 2 diabetes in the offspring of women with gestational diabetes, particularly, among minorities...We are studying whether even moderately high blood glucose levels...increase the risk of obesity and type 2 diabetes in their offspring.”
COLORADO

Raymond Oliver Estacio, MD
Denver Health
Denver, CO
Type of Support: Clinical Research Award
Project Title: Nurse administered telephonic cholesterol outcomes study

Pamela R. Fain, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Research Award
Project Title: Islet-cell autoimmunity: Are dizygotic twins the same as siblings?

Tasha E. Fingerlin, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Junior Faculty Award
Project Title: Genes in the IKKbeta/NF-kappaB pathway and insulin resistance

Ronald G. Gill, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Immunobiology of pancreatic islet transplantation

Kathryn Haskins, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Research Award
Project Title: Encapsulation of islets in PEG hydrogels

John C. Hutton, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Research Award
Project Title: Islet G6Pase-related protein: A novel beta cell specific target for T-cell mediated autoimmunity in type 1 diabetes

Jan Jensen, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Career Development Award
Project Title: Morphogenetic control of beta cell specification

Jill M. Norris, MPH, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Research Award
Project Title: Effects of vitamin D genes on measures of insulin secretion, insulin sensitivity and adiposity

Subbiah Pugazhenthi, PhD
University of Colorado Health Sciences Center
Aurora, CO
Type of Support: Junior Faculty Award
Project Title: Molecular mechanism of beta cell apoptosis in NOD mice

Judith G. Regensteiner, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Clinical Research Award
Project Title: Exercise and type 2 diabetes: Gender and endothelial function

Lori Sussel, PhD
University of Colorado Health Sciences Center
Denver, CO
Type of Support: Research Award
Project Title: Characterization of ghrelin cells in the pancreatic islet
David H. Wagner, PhD  
University of Colorado Health Sciences Center  
Denver, CO  
**Type of Support:** Junior Faculty Award  
**Project Title:** Resistance of auto-aggressive T cells to induced cell death in IDDM

**CONNECTICUT**

Jonathan S. Bogan, MD  
Yale University  
New Haven, CT  
**Type of Support:** Research Award  
**Project Title:** Regulation of glucose transporter trafficking

Sonia Caprio, MD  
Yale University  
New Haven, CT  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Pathophysiology of insulin resistance in obese youth with pre-diabetes

Valerie B. Duffy, PhD, RD  
University of Connecticut  
Storrs, CT  
**Type of Support:** ADA Healthy Food Choices Research Award  
**Project Title:** The Captain 5 A Day Program: Improving dietary quality and physical activity in preschoolers  
**Funded by:** ARAMARK Charitable Fund

Richard A. Flavell, PhD  
Yale University  
New Haven, CT  
**Type of Support:** Research Award  
**Project Title:** Prevention of type 1 diabetes by immunologic tolerance mediated by TGF beta

Ewan Craig McNay, PhD  
Yale University  
New Haven, CT  
**Type of Support:** Junior Faculty Award  
**Project Title:** Role of insulin in cognition and in mediating the cognitive effects of hypoglycemia

Robert S. Sherwin, MD  
Yale University  
New Haven, CT  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** The role of the brain in diabetes and blocking specific autoimmunity in type 1 diabetes

Gerald I. Shulman, MD, PhD  
Yale University  
New Haven, CT  
**Type of Support:** Distinguished Clinical Scientist Award  
**Project Title:** Application and development of novel magnetic resonance spectroscopic techniques for the study of liver, muscle and brain metabolism in patients with type 1 and type 2 diabetes

Julie Ann Wagner, PhD  
University of Connecticut Health Sciences Center  
Farmington, CT  
**Type of Support:** Clinical Research Award  
**Project Title:** Relationships among type 2 diabetes, history of depression, and coronary heart disease risk in postmenopausal women
**2006 AWARD RECIPIENTS**

**AMERICAN DIABETES ASSOCIATION**

**Li Wen, MD, PhD**  
Yale University  
New Haven, CT  
**Type of Support:** Research Award  
**Project Title:** The role of toll in autoimmune diabetes

**Catherine Weikart Yeckel, PhD**  
The John B. Pierce Laboratory, Inc.  
New Haven, CT  
**Type of Support:** Junior Faculty Award  
**Project Title:** Mild cold exposure: A non-pharmacological approach to improve insulin sensitivity in obese youth

**DISTRICT OF COLUMBIA**

**Christine Maric, PhD**  
Georgetown University  
Washington, DC  
**Type of Support:** Research Award  
**Project Title:** Role of estrogen in diabetic renal disease

**FLORIDA**

**Elizabeth Fenjves, PhD**  
University of Miami  
Miami, FL  
**Type of Support:** Research Award  
**Project Title:** Genetic engineering of pancreatic islets using a novel lentiviral vector  
**Funded by:** David Block & The Emily Rosebud Diabetes Foundation

**Orlando Gomez-Marin, MSc, PhD**  
University of Miami  
Miami, FL  
**Type of Support:** Clinical Research Award  
**Project Title:** Epidemiology of diabetes among Haitian Americans

**Carrie Haskell-Luevano, PhD**  
University of Florida  
Gainesville, FL  
**Type of Support:** Research Award  
**Project Title:** Voluntary exercise identifies new gene candidates for the prevention of type 2 diabetes

**Luca Inverardi, MD**  
University of Miami  
Miami, FL  
**Type of Support:** Islet Cell Replacement in Type 1 Diabetes Award  
**Project Title:** Culture, characterization and differentiation of fetal pancreatic progenitor cells

**Amanda Sobel Lochrie, PhD**  
Nemours Children's Clinic  
Jacksonville, FL  
**Type of Support:** Junior Faculty Award  
**Project Title:** A family based intervention to reduce the risk of type 2 diabetes in children

**Ricardo Luis Pastori, PhD**  
University of Miami  
Miami, FL  
**Type of Support:** Innovation Award  
**Project Title:** Micro RNA profiling of human pancreatic islet cells

**Changqing Xia, MD, PhD**  
University of Florida  
Gainesville, FL  
**Type of Support:** Junior Faculty Award  
**Project Title:** Development of tolerogenic dendritic cells: Application of tolerogenic dendritic cells in prevention and reversal of type 1 diabetes in NOD mice
2006 AWARD RECIPIENTS

GEORGIA

Catherine S. Barnes, PhD
Emory University
Atlanta, GA
Type of Support: Clinical Research Award
Project Title: Patient empowerment to improve diabetes care (PEIDiC)
Funded by: Order of the Amaranth Diabetes Foundation

Adviye Ergul, MD, PhD
Medical College of Georgia
Augusta, GA
Type of Support: Research Award
Project Title: Endothelin-1 and vascular remodeling in diabetes

Jennifer L. Gooch, PhD
Emory University
Atlanta, GA
Type of Support: Junior Faculty Award
Project Title: Role of calcineurin in diabetic nephropathy

Gregory Ing Liou, PhD
Medical College of Georgia
Augusta, GA
Type of Support: Research Award
Project Title: Therapeutic effects of endogenous cannabinoids in diabetic retinopathy

Qing-Sheng Mi, MD, PhD
Medical College of Georgia
Augusta, GA
Type of Support: Junior Faculty Award
Project Title: Fine mapping and functional dissection of mouse diabetes susceptibility Idd4.1 locus

Andrew Muir, MD
Medical College of Georgia
Augusta, GA
Type of Support: Clinical Research Award
Project Title: Computer-assisted training (CAT) in self management education of children with newly diagnosed type 1 diabetes and their families

Mark Ransford Rigby, MD, PhD
Emory University School of Medicine
Atlanta, GA
Type of Support: Junior Faculty Award
Project Title: The role of anergy and regulatory T cells in costimulation blockade-induced tolerance of autoantigen-specific diabetogenic T cells

Guillermo E. Umpierrez, MD
Emory University
Atlanta, GA
Type of Support: Clinical Research Award
Project Title: Mechanisms underlying beta-cell failure in obese African Americans with history of hyperglycemic crises
Funded by: Dr. Victor Silverman

Cong-Yi Wang, MD
Medical College of Georgia
Augusta, GA
Type of Support: Junior Faculty Award
Project Title: Role of TAB2 and SUMO4 in type 1 diabetes pathogenesis

Xiaonan H. Wang, MD
Emory University
Atlanta, GA
Type of Support: Junior Faculty Award
Project Title: The mechanism and prevention of muscle wasting from diabetes
ILLINOIS

Daniel Battle, MD
Northwestern University
Chicago, IL
Type of Support: Research Award
Project Title: Renal ACE and ACE2 in diabetic mice

Matthew J. Brady, PhD
University of Chicago
Chicago, IL
Type of Support: Career Development Award
Project Title: The role of PTG in the regulation of glycogen synthesis by insulin

Hua (Linda) Cai, MD, PhD
University of Chicago
Chicago, IL
Type of Support: Research Award
Project Title: Uncoupling of eNOS in diabetes: Mechanisms, consequences, and therapeutics

Nancy J. Cox, PhD
University of Chicago
Chicago, IL
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Training in methods development and genetic analysis for type 1 and type 2 diabetes

Farhad R. Danesh, MD
Northwestern University
Chicago, IL
Type of Support: Research Award
Project Title: Statins: Mechanism of action and effects in diabetic nephropathy

Marc R. Garfinkel, MD
University of Chicago
Chicago, IL
Type of Support: Islet Cell Replacement in Type 1 Diabetes Award
Project Title: Study of a novel method of islet encapsulation: Inverted selective withdrawal
Funded by: In Memory of William Parker

Charles William Heilig, MD
University of Chicago
Chicago, IL
Type of Support: Research Award
Project Title: Identification of chronic mechanisms maintaining mesangial cell (MC) extracellular matrix (ECM) production in response to GLUT1 vs. high glucose

Yan Chun Li, PhD
University of Chicago
Chicago, IL
Type of Support: Research Award
Project Title: Renal protective role of vitamin D in diabetic nephropathy
Funded by: Estate of Ruth E. Lebeau

Xiubei Liao, PhD
University of Illinois at Chicago
Chicago, IL
Type of Support: Research Award
Project Title: NMR study of HNF-6 and its protein-protein and protein-DNA complexes

H. Clive Palfrey, PhD
University of Chicago
Chicago, IL
Type of Support: Research Award
Project Title: Role of EF-2 phosphorylation and protein phosphatase-2A in glucose effects on protein synthesis in beta cells
Mary E. Pauza, PhD
Southern Illinois University
Springfield, IL
**Type of Support:** Junior Faculty Award
**Project Title:** Controlling autoreactive T cells with Ly49A

Louis Philipson, MD, PhD
University of Chicago
Chicago, IL
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Biophysical studies of the pancreatic beta cell

Kristine Marie Thompson, BA
Rosalind Franklin University of Medicine and Science
North Chicago, IL
**Type of Support:** Medical Scholars Award
**Project Title:** Granulocyte-colony stimulating factor gene therapy for the treatment of healing-impaired diabetic wounds

Ji-Won Yoon, PhD
Rosalind Franklin University of Medicine and Science
North Chicago, IL
**Type of Support:** Islet Cell Replacement in Type 1 Diabetes Award
**Project Title:** Replacement of beta cells for the treatment of autoimmune type 1 diabetes

**INDIANA**

Robert V. Considine, PhD
Indiana University
Indianapolis, IN
**Type of Support:** Research Award
**Project Title:** Hepatocyte growth factor: A novel adipocyte factor elevated in human obesity

Jeffrey S. Elmendorf, PhD
Indiana University
Indianapolis, IN
**Type of Support:** Research Award
**Project Title:** Membrane and cytoskeletal abnormalities in insulin resistance

Kieren James Mather, MD
Indiana University
Indianapolis, IN
**Type of Support:** Career Development Award
**Project Title:** Dual role of insulin in the regulation of endothelin action in vivo in humans

Anupama Mohanram, MD
Indiana University
Indianapolis, IN
**Type of Support:** Junior Faculty Award
**Project Title:** Anemia and progression of diabetic nephropathy

Helmut Otto Steinberg, MD
Indiana University
Bloomington, IN
**Type of Support:** Clinical Research Award
**Project Title:** Insulin resistance, ADMA, and vascular function

Debbie C. Thurmond, PhD
Indiana University
Indianapolis, IN
**Type of Support:** Career Development Award
**Project Title:** Regulation of glucose-stimulated insulin secretion by the actin cytoskeleton and SNARE proteins

Xin Zhang, PhD
Indiana University
Indianapolis, IN
**Type of Support:** Research Award
**Project Title:** Transcriptional regulation of Pax6 during pancreatic development
IOWA

Kathryn Griffin Lamping, PhD
University of Iowa
Iowa City, IA
Type of Support: Research Award
Project Title: Gender-dependent vascular dysfunction in type 2 diabetes

Kevin L. Schalinske, PhD
Iowa State University
Ames, IA
Type of Support: Research Award
Project Title: Perturbation of methyl group metabolism by diabetes and retinoid compounds
Funded by: Estate of Robert E. Burton

Gina C. Schatteman, PhD
University of Iowa
Iowa City, IA
Type of Support: Research Award
Project Title: Bone marrow-derived cell based therapy in type 2 diabetes

Mark A. Yorek, PhD
University of Iowa
Iowa City, IA
Type of Support: Research Award
Project Title: Effect of angiotensin converting enzyme (ACE) inhibitor and/or angiotensin II receptor antagonist (ARB) on diabetic neuropathy

KANSAS

Rick T. Dobrowsky, PhD
The University of Kansas
Lawrence, KS
Type of Support: Research Award
Project Title: Schwann cell signaling in diabetic neuropathy

Richard W. McCallum, MD
University of Kansas Medical Center
Kansas City, KS
Type of Support: Clinical Research Award
Project Title: Multi-channel gastric electrical stimulation for the treatment of diabetic gastroparesis

Silvia Mora, PhD
Kansas State University
Manhattan, KS
Type of Support: Junior Faculty Award
Project Title: Regulation of ACRP30 traffic and secretion in adipocytes

KENTUCKY

Dennis C. Bruemmer, MD
University of Kentucky
Lexington, KY
Type of Support: Research Award
Project Title: Regulation of telomerase activation in diabetic vascular complications by PPARgamma

Lu Cai, MD, PhD
University of Louisville
Louisville, KY
Type of Support: Career Development Award
Project Title: Mechanisms for metallothionein prevention of diabetes-induced nitrosative damage to the heart

Brian Scott Finlin, PhD
University of Kentucky
Lexington, KY
Type of Support: Junior Faculty Award
Project Title: Regulation of L-type calcium channels by the Rem2 GTPase in pancreatic beta cells

Ming Cui Gong, MD, PhD  
University of Kentucky  
Lexington, KY  
**Type of Support**: Career Development Award  
**Project Title**: Vascular smooth muscle hyperreactivity and type 2 diabetes-associated hypertension

Ye Qi Liu, MD, PhD  
University of Louisville  
Louisville, KY  
**Type of Support**: Junior Faculty Award  
**Project Title**: A pyruvate carboxylase transgene prevents type 2 diabetes mellitus

Sabire Ozcan, PhD  
University of Kentucky  
Lexington, KY  
**Type of Support**: Career Development Award  
**Project Title**: Role of histone deacetylation and protein phosphotases in insulin gene expression

Jianhua Shao, PhD  
University of Kentucky  
Lexington, KY  
**Type of Support**: Junior Faculty Award  
**Project Title**: Regulation of adiponectin expression by lipids and C/EBPalpha

Lisa R. Tannock, MD  
University of Kentucky  
Lexington, KY  
**Type of Support**: Junior Faculty Award  
**Project Title**: Lipoprotein retention in diabetic complications

Esma Shirwan Yolcu, PhD  
University of Louisville  
Louisville, KY  
**Type of Support**: Junior Faculty Award  
**Project Title**: A novel approach to generate mixed hematopoietic chimerism for the treatment of type 1 diabetes

**LOUISIANA**

Andrew Alistair Butler, PhD  
Pennington Biomedical Research Center  
Baton Rouge, LA  
**Type of Support**: Junior Faculty Award  
**Project Title**: Regulation of liver fatty acid metabolism by the melanocortin-4 receptor

Stuart A. Chalew, MD  
Children's Hospital, New Orleans  
New Orleans, LA  
**Type of Support**: Clinical Research Award  
**Project Title**: Mechanisms of biological variation in hemoglobin glycation

Thomas W. Gettys, PhD  
Pennington Biomedical Research Center  
Baton Rouge, LA  
**Type of Support**: Research Award  
**Project Title**: Signaling pathways linking central leptin receptors to peripheral regulation of gene expression in adipose tissue

Christopher G. Kevil, PhD  
Louisiana State University Health Sciences Center, Shreveport  
Shreveport, LA  
**Type of Support**: Junior Faculty Award  
**Project Title**: Beta 2 integrin regulation of autoimmune diabetes

Ming Li, PhD  
Tulane University Health Sciences Center  
New Orleans, LA  
**Type of Support**: Research Award  
**Project Title**: 

Irina G. Obrosova, PhD  
Pennington Biomedical Research Center  
Baton Rouge, LA  
**Type of Support**: Research Award  
**Project Title**: Nitrosative stress and early diabetic neuropathy
Donald K. Scott, PhD
Louisiana State University Health Sciences Center, New Orleans
New Orleans, LA
Type of Support: Research Award
Project Title: The role of c-Myc in glucose-regulated gene expression in pancreatic beta cells

Jacqueline M. Stephens, PhD
Louisiana State University
Baton Rouge, LA
Type of Support: Research Award
Project Title: SUMO modification of PPARgamma proteins in adipocytes

Jianping Ye, MD
Pennington Biomedical Research Center
Baton Rouge, LA
Type of Support: Research Award
Project Title: Regulation of PPARgamma transactivation by TNF-alpha

Aamir R. Zuberi, PhD
Pennington Biomedical Research Center
Baton Rouge, LA
Type of Support: Research Award
Project Title: Genetic variation underlying murine insulin regulation: Characterization of a novel polymorphic candidate gene, Zfp106

Amy J. Davidoff, PhD
University of New England
Biddeford, ME
Type of Support: Research Award
Project Title: Link between myocardial insulin resistance and abnormal excitation-contraction coupling

Edward H. Leiter, PhD
The Jackson Laboratory
Bar Harbor, ME
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: New mouse models for diabetes research

Joel Gittelsohn, PhD
Johns Hopkins University
Baltimore, MD
Type of Support: Clinical Research Award
Project Title: A pilot integrated, multi-institutional, community-based program to modify diabetes risk factors in native communities

Marc Kenneth Halushka, MD, PhD
Johns Hopkins University
Baltimore, MD
Type of Support: Junior Faculty Award
Project Title: High throughput quantitative protein expression in diabetic vasculature: A systematic tissue microarray analysis using multiple organ systems to investigate receptors of advanced glycation end products (AGEs)

John W. Harmon, MD
Johns Hopkins University
Baltimore, MD
Type of Support: Research Award
Project Title: A gene therapy system with potential to heal diabetic foot ulcers – the promise of HIF-1 alpha

David Mears, PhD
Uniformed Services University of the Health Sciences
Bethesda, MD
Type of Support: Research Award
Project Title: Cholinergic control of insulin secretion in mouse and human pancreatic beta cells
Wanda Kay Nicholson, MD, MPH  
Johns Hopkins University  
Baltimore, MD  
**Type of Support:** Clinical Research Award  
**Project Title:** Interventions to promote weight loss among postpartum African American women

Pere Puigserver, PhD  
Johns Hopkins University  
Baltimore, MD  
**Type of Support:** Career Development Award  
**Project Title:** Transcriptional control of hepatic glucose production through acetylation of PGC-1ALPHA

Michael J. Quon, MD, PhD  
National Institutes of Health  
Bethesda, MD  
**Type of Support:** Research Award  
**Project Title:** Cross-talk between inflammatory and metabolic signaling pathways involving serine phosphorylation of IRS-1

Gregg Leonard Semenza, MD, PhD  
Johns Hopkins University  
Baltimore, MD  
**Type of Support:** Research Award  
**Project Title:** Interaction of diabetes, aging, and HIF-1 deficiency in peripheral vascular disease

Alan R. Shuldiner, MD  
University of Maryland, Baltimore  
Baltimore, MD  
**Type of Support:** Research Award  
**Project Title:** Linkage disequilibrium mapping of a type 2 diabetes susceptibility gene on chromosome 14q11-q13 in the Amish

Carole Sztalryd, PhD  
University of Maryland, Baltimore  
Baltimore, MD  
**Type of Support:** Career Development Award  
**Project Title:** Perilipin regulation of hormone sensitive lipase

**MASSACHUSETTS**

David Altshuler, MD, PhD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** Systematic identification of pathways contributing to diabetes and obesity in human patients: Human genetics of obesity  
**Funded by:** The Richard & Susan Smith Family Foundation

Joshua A. Beckman, MD  
Brigham and Women's Hospital  
Boston, MA  
**Type of Support:** Career Development Award  
**Project Title:** Mechanisms of endothelial dysfunction in insulin resistance

Martin Beinborn, MD  
New England Medical Center Hospitals  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Use of activated GLP-1 receptors to improve islet transplantation

Laura E. Benjamin, PhD  
Beth Israel Deaconess Medical Center  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** RhoB as a therapeutic target for diabetic microvascular complications
Christophe Benoist, MD, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Mentor-Based Minority Postdoctoral Fellowship Award
Project Title: A phosphoproteomic analysis of a defect in central
tolerance induction in NOD Mice
Funded by: Takeda Pharmaceuticals North America, Inc.

Christophe Benoist, MD, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: ADA-Takeda Pharmaceuticals Mentor-Based
Postdoctoral Fellowship Award
Project Title: Gene expression profiling of autoimmune inflammation

Christian Bjorbaek, PhD
Beth Israel Deaconess Medical Center
Boston, MA
Type of Support: The Richard & Susan Smith Family Foundation Pinnacle
Program Project Award
Project Title: Hypothalamic leptin and insulin receptor signaling and
neuropeptide release
Funded by: The Richard & Susan Smith Family Foundation

Barry Braun, PhD
University of Massachusetts
Amherst, MA
Type of Support: Junior Faculty Award
Project Title: Interactions between exercise and metformin in pre-diabetes:
Glucose metabolism at the cellular, whole-body, and clinically
relevant levels

Franklin H. Bunn, MD
Brigham and Women’s Hospital
Boston, MA
Type of Support: Research Award
Project Title: Role of Ncb5or in regulation of insulin production

Anthony Carruthers, PhD
University of Massachusetts Medical School
Worcester, MA
Type of Support: Innovation Award
Project Title: Can we prevent HIV protease inhibitor-induced insulin
resistance by understanding GLUT4 inhibition?
Funded by: Estate of Gail Patrick

Mark J. Daly, MD, PhD
Massachusetts General Hospital
Boston, MA
Type of Support: The Richard & Susan Smith Family Foundation Pinnacle
Program Project Award
Project Title: Systematic identification of pathways contributing to
diabetes and obesity in human patients
Funded by: The Richard & Susan Smith Family Foundation

Alessandro Doria, MD, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Search for type 2 diabetes genes through family studies

Keyong Du, PhD
New England Medical Center
Boston, MA
Type of Support: Thomas R. Lee Career Development Award
Project Title: Aclip, a novel Akt interacting protein that regulates glucose
transport and Akt compartmentalized activation by insulin
Funded by: Estate of Thomas R. Lee

Jeffrey L. Ecker, MD
Massachusetts General Hospital
Boston, MA
Type of Support: Clinical Research Award
Project Title: Early predictors of gestational diabetes and associated
morbidly
Allison B. Goldfine, MD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Career Development Award  
**Project Title:** Insulin regulation of beta cell function in humans in vivo

Todd R. Golub, MD  
Dana-Farber Cancer Institute  
Boston, MA  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** Systematic identification of pathways contributing to diabetes and obesity in human patients: Profiling pathways operative in human diabetes using DNA microarrays  
**Funded by:** The Richard & Susan Smith Family Foundation

Laurie J. Goodyear, PhD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Mechanisms of exercise-regulated glucose transport in skeletal muscle

Francine Grodstein, ScD  
Brigham and Women’s Hospital  
Boston, MA  
**Type of Support:** Clinical Research Award  
**Project Title:** Type 2 diabetes and cognitive decline in women

Frances Josephine Hayes, MD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** Career Development Award  
**Project Title:** Modulation of insulin action by testosterone in men

Alan Herbert, PhD  
Boston University  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Characterization of a genetic risk factor for type 2 diabetes mellitus on chromosome 10

Joel Hirschhorn, MD, PhD  
Children’s Hospital Boston  
Boston, MA  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** Systematic identification of pathways contributing to diabetes and obesity in human patients: Human genetics of obesity  
**Funded by:** The Richard & Susan Smith Family Foundation

Richard Ho, PhD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Nuclear factor kappa-B regulation of gene expression in contracting skeletal muscle

Anthony N. Hollenberg, MD  
Beth Israel Deaconess Medical Center  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Transcriptional regulation of target genes in vivo by leptin

Anthony N. Hollenberg, MD  
Beth Israel Deaconess Medical Center  
Boston, MA  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** Transcriptional regulation of arcuate nucleus function  
**Funded by:** The Richard & Susan Smith Family Foundation
2006 AWARD RECIPIENTS

Edward S. Horton, MD
Joslin Diabetes Center
Boston, MA
**Type of Support:** A1C Project
**Project Title:** WHAT MBG Study (A1C Project)

Gokhan S. Hotamisligil, MD, PhD
Harvard University
Boston, MA
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Inflammatory mechanisms underlying insulin resistance and associated pathologies

Gokhan S. Hotamisligil, MD, PhD
Harvard University
Boston, MA
**Type of Support:** Research Award
**Project Title:** Role of fatty acid binding proteins in type 2 diabetes

John Iacomini, PhD
Brigham and Women’s Hospital
Boston, MA
**Type of Support:** Research Award
**Project Title:** Overcoming type 1 diabetes by gene therapy

Mukesh K. Jain, MD
Brigham and Women’s Hospital
Boston, MA
**Type of Support:** Junior Faculty Award
**Project Title:** KLF15 as a regulator of GLUT4

Zhen Y. Jiang, MD, PhD
University of Massachusetts Medical School
Worcester, MA
**Type of Support:** Junior Faculty Award
**Project Title:** Using small interfering RNA (siRNA)-induced gene silencing to analyze insulin signaling on Akt pathway and its role in glucose transport in insulin-sensitive cells

Barbara B. Kahn, MD
Beth Israel Deaconess Medical Center
Boston, MA
**Type of Support:** ADA-Takeda Pharmaceuticals Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Mechanisms of insulin and leptin action and the pathogenesis of obesity and type 2 diabetes

C. Ronald Kahn, MD
Joslin Diabetes Center
Boston, MA
**Type of Support:** Mentor-Based Minority Postdoctoral Fellowship Award
**Project Title:** Insulin action, insulin resistance, adipogenesis and diabetes
**Funded by:** Takeda Pharmaceuticals North America, Inc.

C. Ronald Kahn, MD
Joslin Diabetes Center
Boston, MA
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Fellowship training in insulin action, insulin resistance and pathogenesis of type 2 diabetes

Konstantin V. Kandror, PhD
Boston University
Boston, MA
**Type of Support:** Innovation Award
**Project Title:** Glut4-vesicles in the brain

Young-Bum Kim, PhD
Beth Israel Deaconess Medical Center
Boston, MA
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award
**Project Title:** Role of hypothalamic Rho-kinase in the regulation of food intake and glucose homeostasis
**Funded by:** The Richard & Susan Smith Family Foundation
George L. King, MD
Joslin Diabetes Center
Boston, MA
Type of Support: Research Award
Project Title: The role of protein kinase C activation and diabetic retinopathy

George L. King, MD
Joslin Diabetes Center
Boston, MA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Biochemical pathogenesis and treatment for diabetic vascular complications

Andrzej S. Krolewski, MD, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Role of cytokines and chemokines in renal function decline in diabetes

Rohit N. Kulkarni, MD, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Research Award
Project Title: Role of insulin/IGF-1 signaling in modulation of alpha-cell function and growth
Funded by: Stanley and Cathy Bernstein

Colin Leech, PhD
Massachusetts General Hospital
Boston, MA
Type of Support: Research Award
Project Title: Regulation of nucleotide binding to ATP-sensitive potassium channels

Harvey F. Lodish, PhD
Whitehead Institute for Biomedical Research
Cambridge, MA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Metabolic control by novel ACRP30/adiponectine-like proteins

Mary R. Loeken, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Research Award
Project Title: Neural tube effects caused by diabetic pregnancy: Roles of insufficient Pax3 gene expression and p53-dependent apoptosis

Brendan Daniel Manning, PhD
Harvard University
Boston, MA
Type of Support: Junior Faculty Award
Project Title: The role of AKT-TSC-MTOR signaling in the physiological response to insulin

Christos Socrates Mantzoros, MD, ScD
Beth Israel Deaconess Medical Center
Boston, MA
Type of Support: Clinical Research Award
Project Title: A combination of pioglitazone and leptin as treatment for the HMRT-induced metabolic syndrome: A randomized, double-blind, placebo-controlled clinical trial

Diane J. Mathis, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: ADA-Takeda Pharmaceuticals Mentor-Based Minority Postdoctoral Fellowship Award
Project Title: The role of NK cells in early-onset type 1 diabetes
Funded by: Takeda Pharmaceuticals North America, Inc.
Diane J. Mathis, PhD
Joslin Diabetes Center
Boston, MA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Establishment of a sensitive high-throughput system for detecting antigen-specific T cells

James B. Meigs, MD
Massachusetts General Hospital
Boston, MA
Type of Support: Career Development Award
Project Title: Insulin resistance, endothelial dysfunction, and risk for type 2 diabetes

David Michael Miller, BA
University of Massachusetts Medical School
Worcester, MA
Type of Support: Physician Scientist Training Award
Project Title: Umbilical cord blood stem cells as therapy for diabetes mellitus
Funded by: Ann Juster

Vamsi K. Mootha, MD
Massachusetts General Hospital
Boston, MA
Type of Support: The Richard & Susan Smith Family Foundation Pinnacle Program Project Award
Project Title: Systematic identification of pathways contributing to diabetes and obesity in human patients: Profiling pathways operative in human diabetes using DNA microarrays
Funded by: The Richard & Susan Smith Family Foundation

John Peter Mordes, MD
University of Massachusetts Medical School
Worcester, MA
Type of Support: Research Award
Project Title: Genetics of virus-induced autoimmunity in BB rats

Barbara Susanne Nikolajczyk, PhD
Boston University Medical Center
Boston, MA
Type of Support: Research Award
Project Title: Transcriptional regulation of interleukin 1 beta by a two-step mechanism

Vera Novak, MD, PhD
Beth Israel Deaconess Medical Center
Boston, MA
Type of Support: Clinical Research Award
Project Title: Cerebral vasoregulation in diabetes

Vera Novak, MD, PhD
Beth Israel Deaconess Medical Center
Boston, MA
Type of Support: Clinical Research Award
Project Title: Cerebral perfusion and cognitive decline in type 2 diabetes

Martin S. Obin, PhD
Tufts University
Boston, MA
Type of Support: Research Award
Project Title: Adipocyte necrosis and adipose tissue inflammation: A new model of macrophage recruitment and activation in obesity

David Brian Rhoads, PhD
Massachusetts General Hospital
Boston, MA
Type of Support: Research Award
Project Title: Role of HNF1beta in beta cell development

Sayon Roy, PhD
Boston University
Boston, MA
Type of Support: Research Award
Project Title: Role of basement membrane thickening in the vascular complications of diabetes
Neil B. Ruderman, MD  
Boston University  
Boston, MA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Studies of AMP-activated protein kinase and its regulation

Gary Ruvkun, PhD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** Systematic identification of pathways contributing to diabetes and obesity in human patients: *C. elegans* RNAi Screen  
**Funded by:** *The Richard & Susan Smith Family Foundation*

Arun J. Sharma, PhD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Cloning and characterization of a beta cell specific insulin gene transcription factor, A2.2

Steven E. Shoelson, MD, PhD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Inflammation in insulin resistance and type 2 diabetes: Pathogenic mediator and target for reversal

Steven Richard Simon, MD  
Harvard Medical School  
Boston, MA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Automated telephone diabetes management with speech recognition in a large HMO

Bruce Spiegelman, PhD  
Dana-Farber Cancer Institute  
Boston, MA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Genetic Analysis of PGC-1alpha and PGC-1beta in the regulation of hepatic metabolism

Ravi I. Thadhani, MD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** Clinical Research Award  
**Project Title:** Prospective evaluation of inflammatory cytokines and angiogenesis related growth factors in gestational diabetes mellitus

Melissa K. Thomas, MD, PhD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** Career Development Award  
**Project Title:** Age-dependent regulation of PDX-1 in pancreatic beta cells

Mariano Ubeda-Minarro, MD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** A1C Project  
**Project Title:** WHAT MBG Study (A1C Project)

Fumihiko Urano, MD  
University of Massachusetts Medical School  
Worcester, MA  
**Type of Support:** Innovation Award  
**Project Title:** Systems pathology in diabetes  
**Partially Funded by:** *Lehman Brothers Foundation*
Aristidis Veves, MD  
Beth Israel Deaconess Medical Center  
Boston, MA  
**Type of Support:** Clinical Research Award  
**Project Title:** Micro and macrovascular abnormalities and diabetic foot ulceration

Yong-Xu Wang, PhD  
University of Massachusetts Medical School  
Worcester, MA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Regulation of age-induced insulin resistance by PPARd and its co-regulators

Michael T. Watkins, MD  
Massachusetts General Hospital  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Hindlimb ischemia-reperfusion in the diabetic mouse

Gordon Campbell Weir, MD  
Joslin Diabetes Center  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Molecular mechanisms of human beta cell adaptation to diabetes

Morris F. White, PhD  
Children's Hospital Boston  
Boston, MA  
**Type of Support:** Research Award  
**Project Title:** Regulation of insulin signaling by interleukin-6

Morris F. White, PhD  
Children's Hospital Boston  
Boston, MA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Molecular mechanisms of stress-induced insulin resistance

Gordon Curtis Yaney, PhD  
Boston Medical Center  
Boston, MA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Incretin action of fatty acids in glucose-stimulated insulin secretion

MICHIGAN

Peter Frederick Bodary, PhD  
University of Michigan  
Detroit, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Role of leptin receptor signaling pathways on arterial thrombosis and atherogenesis

Charles F. Burant, MD, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Islet Cell Replacement in Type 1 Diabetes Award  
**Project Title:** Manipulating TGFbeta signaling to isolate and characterize a replicating duct-derived adult islet precursor

Pedro Cortes, MD  
Henry Ford Health Care System  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Prevention of nephropathy in type 1 diabetes
Taixing Cui, MD, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Role of nitrolylineate in vascular lesion formation associated with diabetes

Eva L. Feldman, MD, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Research Award  
**Project Title:** AGE formation and RAGE activation underlie metabolic memory in diabetic neuropathy  
**Funded by:** In Memory of Kenneth and Madge Marks

Diane C. Fingar, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Identity and function of raptor phosphorylation sites

Kimberlee A. Gretebeck, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** A tailored behavioral intervention to promote physical activity adoption and maintenance for older adults with type 2 diabetes

Jeffrey F. Horowitz, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Fatty acid metabolism and insulin sensitivity: The role of endurance exercise

Catherine Kim, MD, MPH  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Health-system factors and the quality of diabetes care in managed care in women and men

Anjan Kowluru, PhD  
Wayne State University  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Novel regulation by Ras of IL-1-mediated beta cell dysfunction and demise

Todd Leff, PhD  
Wayne State University  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Molecular analysis of PPARgamma mutations associated with lipodystrophy

Ormond A. MacDougald, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Mechanisms regulating adipogenesis

Ormond A. MacDougald, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Research Award  
**Project Title:** CREB phosphorylation and insulin sensitivity in adipocytes and adipose tissue

Robert George MacKenzie, PhD  
Wayne State University  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Creb regulation of gene expression in npy/agrp hypothalamic neurons
Kenneth Maiese, MD  
Wayne State University  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Novel therapeutic pathways of erythropoietin for diabetic neuronal injury

Ram K. Menon, MD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Innovation Award  
**Project Title:** Direct actions of growth hormone on the glomerular podocyte: Implications for diabetic nephropathy

Richard M. Mortensen, MD, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Research Award  
**Project Title:** Production and analysis of ES cell derived beta-islet cells

Martin G. Myers, Jr., MD, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Research Award  
**Project Title:** AgRP and NPY in leptin receptor-dependent regulation of neuroendocrine function

Sylvie Naar-King, PhD  
Wayne State University  
Detroit, MI  
**Type of Support:** Minority Undergraduate Internship Award  
**Project Title:** Adapting multisystemic therapy to improve food choices and health outcomes in African American youth with primary obesity

John D. Piette, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Clinical Research Award  
**Project Title:** Problems due to medication costs among people with diabetes

Liangyou Rui, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Career Development Award  
**Project Title:** Role of a Ser/Thr kinase NIK in insulin resistance

Alan R. Saltiel, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Molecular mechanisms of insulin action

Jessica Schwartz, PhD  
University of Michigan  
Ann Arbor, MI  
**Type of Support:** Research Award  
**Project Title:** Dissecting a genetic program for GH-induced insulin resistance

Assia C. Shisheva, PhD  
Wayne State University  
Detroit, MI  
**Type of Support:** Research Award  
**Project Title:** Intracellular phosphatidylinositol 5-phosphate pathway in insulin action on F-actin remodeling and GLUT4 dynamics

**Funded by:** ARAMARK Charitable Fund
Pukhrambam Lalit Singh, PhD
Wayne State University
Detroit, MI
**Type of Support:** Career Development Award
**Project Title:** IGF-1 signaling and ECM gene expression in mesangial cells: A potential mechanism for diabetic glomerular sclerosis

Shi-Yi Zhou, PhD, MD
University of Michigan
Ann Arbor, MI
**Type of Support:** Junior Faculty Award
**Project Title:** Neuronal nitric oxide and selective nitrergic neuropathy in diabetes

**MINNESOTA**

Pratima Bansal-Pakala, PhD
University of Minnesota
Minneapolis, MN
**Type of Support:** Junior Faculty Award
**Project Title:** Regulation of type 1 diabetes by OX40/OX40L interactions
**Funded by:** Estate of Hyman Horwitz

Chella S. David, PhD
Mayo Clinic
Rochester, MN
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Role of HLA class II genes in type 1 diabetes

Chella S. David, PhD
Mayo Clinic
Rochester, MN
**Type of Support:** Research Award
**Project Title:** Role of HLA molecules in predisposition, onset, severity, and progression of type 1 diabetes: Studies with humanized transgenic mice

Mary C. Gannon, PhD
Minneapolis VA Medical Center
Minneapolis, MN
**Type of Support:** Clinical Research Award
**Project Title:** The effect of a starch-limited diet on blood glucose in type 2 diabetes

ZengKui Guo, PhD
Mayo Clinic Rochester
Rochester, MN
**Type of Support:** Research Award
**Project Title:** Intramyocellular fat and insulin resistance

Zhiguang Guo, MD, PhD
University of Minnesota
Minneapolis, MN
**Type of Support:** Research Award
**Project Title:** Inducing tolerance to islet allograft by donor regulatory cells

Victor Manuel Montori, MD
Mayo Clinic
Rochester, MN
**Type of Support:** Novo Nordisk Clinical Research Award
**Project Title:** Insulin choice for patients with type 2 diabetes
**Funded by:** Novo Nordisk, Inc.

Erik J. Peterson, MD
University of Minnesota
Minneapolis, MN
**Type of Support:** Research Award
**Project Title:** The role of ADAP in autoimmune diabetes

Robert A. Rizza, MD
Mayo Clinic
Rochester, MN
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award
**Project Title:** Regulation of fasting and postprandial carbohydrate metabolism
Steven A. Smith, MD
Mayo Clinic
Rochester, MN
Type of Support: A1C Project
Project Title: WHAT MBG Study (A1C Project)

Lyn M. Steffen, PhD
University of Minnesota
Minneapolis, MN
Type of Support: Research Award
Project Title: Abdominal obesity and risk factors for the metabolic syndrome among Hispanic and non-Hispanic white women
Partially Funded by: Abby R. Mauze Charitable Trust

Roxanne Struthers, PhD
University of Minnesota
Minneapolis, MN
Type of Support: Clinical Research Award
Project Title: Adolescent and adult American Indian perspectives related to type 2 diabetes

MISSOURI

Ernesto Bernal-Mizrachi, MD
Washington University in St. Louis
St. Louis, MO
Type of Support: Junior Faculty Award
Project Title: Role of Akt in the regulation of pancreatic beta cell mass and function

John A. Corbett, PhD
St. Louis University
St. Louis, MO
Type of Support: Research Award
Project Title: Diabetes induced by random mtDNA mutations in beta cells

Philip E. Cryer, MD
Washington University in St. Louis
St. Louis, MO
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Hypoglycemia in diabetes

Michael A. Harris, PhD
Washington University in St. Louis
St. Louis, MO
Type of Support: Clinical Research Award
Project Title: Home-based versus office-based family therapy for adolescents with poorly controlled diabetes

John Otto Holloszy, MD
Washington University in St. Louis
St. Louis, MO
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Exercise-induced increases in muscle glucose transport, insulin sensitivity and responsiveness

Jamal A. Ibdah, MD, PhD
University of Missouri-Columbia
Columbia, MO
Type of Support: Research Award
Project Title: Mitochondrial beta-oxidation and susceptibility to insulin resistance

Steven P. Marso, MD
Saint Luke's Hospital, Mid America Heart Institute
Kansas City, MO
Type of Support: Clinical Research Award
Project Title: Insulin resistance mediated plaque composition and inflammation following percutaneous coronary intervention
Funded by: Order of the Amaranth Diabetes Foundation
Our Scientists Speak...

“...we are exploring an entirely new aspect of lipoproteins (transporters of fats and cholesterol in the blood) in determining risk for retinopathy...Our new studies...will provide an opportunity for the development of drugs which inhibit abnormal cell signaling and cell death and may retard the development or progression of diabetic retinopathy.”

Timothy J. Lyons, MD — Oklahoma University Health Sciences Center, Oklahoma City, Oklahoma

“ADA's postdoctoral fellowship program is wonderfully adapted to the needs of research labs — more so than that of almost any other agency I know.”

Diane J. Mathis, PhD — Joslin Diabetes Center, Boston, Massachusetts

“To the donor who has graciously given of his or her resources to make ADA the world-class leader that it is, I must say that ‘thank you’ is not enough. Irrespective of your contribution amount, my experience is that the motivation of ADA donors is as true as one can find. For whatever reason that you have been moved, you have made a pledge to make life better for someone who has diabetes.”

Andrew Muir, MD — Medical College of Georgia, Augusta, Georgia

“Our ADA-funded grant...is critical for the development of strategies to cure diabetes through the creation of insulin-producing cells from stem cells via genetic engineering or through regeneration of existing beta cells.”

Ricardo Pastori, PhD — University of Miami School of Medicine, Miami, Florida
Michael L. McDaniel, PhD
Washington University in St. Louis
St. Louis, MO
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Understanding the role of lipoprotein in pancreatic beta cell function and dysfunction

Kelle Harbert Moley, MD
Washington University in St. Louis
St. Louis, MO
Type of Support: Research Award
Project Title: Glut9 expression and function in diabetic and normal tissue

Michael M. Mueckler, PhD
Washington University in St. Louis
St. Louis, MO
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Glucose transport, insulin signaling, and diabetes

Randy S. Sprague, MD
Saint Louis University
St. Louis, MO
Type of Support: Research Award
Project Title: Effect of diabetes on the erythrocyte and vascular control

Dwight A. Towler, PhD
Washington University in St. Louis
St. Louis, MO
Type of Support: Research Award
Project Title: The role of osteopontin in diabetic vascular disease

NEBRASKA

Keshore Roshan Bidasee, PhD
University of Nebraska Medical Center
Omaha, NE
Type of Support: Research Award
Project Title: Reconstitution of regulated Glut4 trafficking in vitro

Steven C. Sansom, PhD
University of Nebraska Medical Center
Omaha, NE
Type of Support: Research Award
Project Title: Role of transient receptor potential calcium channels in statin reversal of glomerular disease in early stage type 2 diabetes mellitus

Steven M. Tracy, PhD
University of Nebraska Medical Center
Omaha, NE
Type of Support: Innovation Award
Project Title: Coxsackievirus induction of insulitis in young NOD mice
Funded by: Estate of Gail Patrick
NEW JERSEY
Ashwani Malhotra, PhD
University of Medicine and Dentistry of New Jersey
Newark, NJ
Type of Support: Research Award
Project Title: Hyperglycemia promotes myocyte apoptosis by protein kinase c pathways

Hong Ruan, MD, PhD
University of Medicine and Dentistry of New Jersey
Piscataway, NJ
Type of Support: Junior Faculty Award
Project Title: Molecular mechanisms of TNF-alpha-induced insulin resistance
Funded by: Estate of Molly Haycraft, Estate of Florence Manahan, Estate of Repka Trust

NEW MEXICO
Elizabeth Sage Colombo
University of New Mexico Health Sciences Center
Albuquerque, NM
Type of Support: Physician Scientist Training Award
Project Title: The role of hepatocyte growth factor in proliferative diabetic retinopathy

David S. Schade, MD
University of New Mexico Health Sciences Center
Albuquerque, NM
Type of Support: Clinical Research Award
Project Title: Vitamin therapy for type 2 diabetes

NEW YORK
Domenico Accili, MD
Columbia University
New York, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Investigation of the molecular mechanism of insulin resistance in the liver
Funded by: Johnson & Johnson

Jeanine B. Albu, MD
St. Luke's Roosevelt Institute for Health Sciences
New York, NY
Type of Support: Research Award
Project Title: Intramyocellular lipid: Effects of race and diet

Peter Antinozzi, PhD
Columbia University
New York, NY
Type of Support: Junior Faculty Award
Project Title: Using functional screening of diabetes-associated QTLs to identify diabetes-susceptible genes

Jonathan M. Backer, MD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Structural studies on the regulation of class IA PI 3-kinases

Jonathan M. Backer, MD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Research Award
Project Title: Regulation of the p85/p110 PI 3-kinase

Jonathan M. Backer, MD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Research Award
Project Title: The role of the hVps34 PI 3-kinase in nutrient sensing
Arin Bhattacharjee, PhD  
State University of New York at Buffalo  
Buffalo, NY  
**Type of Support:** Junior Faculty Award  
**Project Title:** Sodium-activated potassium channels: Novel players in diabetic neuropathy

Maureen J. Charron, PhD  
Albert Einstein College of Medicine  
Bronx, NY  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Interaction of Acrp30 and GLUT4 in development of insulin resistance

Chi-Wing Chow, PhD  
Albert Einstein College of Medicine  
Bronx, NY  
**Type of Support:** Research Award  
**Project Title:** Role of PARP-1 in NFAT transcription regulation and in adipogenesis

Ira J. Goldberg, MD  
Columbia University  
New York, NY  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Glucose metabolism in the lipotoxic heart

John M. Greally, PhD  
Albert Einstein College of Medicine  
Bronx, NY  
**Type of Support:** Research Award  
**Project Title:** Identification of type 2 diabetes mellitus candidate genes by imprinting analyses of 6q24

George Gilbert Holz, PhD  
New York University  
New York, NY  
**Type of Support:** Research Award  
**Project Title:** cAMP-regulated guanine nucleotide exchange factors as determinants of pancreatic beta cell stimulus-secretion coupling

Stevan R. Hubbard, PhD  
New York University  
New York, NY  
**Type of Support:** Research Award  
**Project Title:** Structural basis of APS recruitment to the insulin receptor

Zheng-Gen Jin, PhD  
University of Rochester Medical Center  
Rochester, NY  
**Type of Support:** Thomas R. Lee Career Development Award  
**Project Title:** Molecular basis for diabetes-associated endothelial dysfunction  
**Funded by:** Estate of Thomas R. Lee

Chan Y. Jung, MD, PhD  
State University of New York at Buffalo  
Buffalo, NY  
**Type of Support:** Research Award  
**Project Title:** Protein phosphorylation involved in insulin-induced GLUT4 recruitment in rat adipocytes: Reconstitution studies

Katherine A. Kaproth-Joslin  
State University of New York Upstate Medical University  
Syracuse, NY  
**Type of Support:** Physician Scientist Training Award  
**Project Title:** Role of phospholipase C epsilon in glucose-stimulated insulin secretion

William Kim, PhD  
Columbia University  
New York, NY  
**Type of Support:** Junior Faculty Award  
**Project Title:** RAGE, alpha-actinin 4, smooth muscle cells and cardiovascular disease

Blandine Laferrere, MD  
St. Luke’s Roosevelt Institute for Health Sciences  
New York, NY  
**Type of Support:** Clinical Research Award  
**Project Title:** Mechanisms of diabetes control after weight loss surgery
Derek Le Roith, MD, PhD
Mount Sinai School of Medicine
New York, NY
Type of Support: Research Award
Project Title: The use of the MKR mice to evaluate the role of lipids in the pathogenesis of type 2 diabetes

Derek Le Roith, MD, PhD
Mount Sinai School of Medicine
New York, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Use of mouse models to study the pathophysiology of type 2 diabetes

David Joseph Lefer, PhD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Research Award
Project Title: Mechanisms of hepatic ischemia-reperfusion injury in diabetes

Rudolph Leibel, MD
Columbia University
New York, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Molecular genetic analysis of human obesity
Funded by: Johnson & Johnson

Lonny R. Levin, PhD
Weill Medical College of Cornell University
New York, NY
Type of Support: Research Award
Project Title: Soluble adenylyl cyclase in insulin secretion

Samy I. McFarlane, MD
State University of New York Downstate Medical Center
Brooklyn, NY
Type of Support: Clinical Research Award
Project Title: Assessment of anemia as a cardiovascular risk factor in early diabetic nephropathy

Michael Marwan Meguid, MD, PhD
State University of New York Upstate Medical University
Syracuse, NY
Type of Support: Research Award
Project Title: Role of hypothalamus in reverting obesity-related diabetes

Robert A. Mooney, PhD
University of Rochester
Rochester, NY
Type of Support: Research Award
Project Title: Role of macrophages in obesity-dependent insulin resistance

Evan David Muse
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Physician Scientist Training Award
Project Title: Novel mechanisms for hypothalamic regulation of glucose fluxes

Jeffrey E. Pessin, PhD
Stony Brook University
Stony Brook, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Insulin regulation of glucose uptake and GLUT4 trafficking

John Quilley, PhD
New York Medical College
Valhalla, NY
Type of Support: Research Award
Project Title: Oxidative stress, COX-2, HO-1 in deficient 20-HETE

Louis Ragolia, PhD
Winthrop University Hospital
Mineola, NY
Type of Support: Thomas R. Lee Career Development Award
Project Title: The molecular basis of vascular smooth muscle cell apoptosis
Funded by: Estate of Thomas R. Lee
2006 AWARD RECIPIENTS

AMERICAN DIABETES ASSOCIATION

Luciano Rossetti, MD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Hypothalamic regulation of glucose production
Funded by: Johnson & Johnson

Susan J. Vannucci, PhD
Columbia University
New York, NY
Type of Support: Research Award
Project Title: The vulnerable diabetic brain: Oxidative stress, RAGE, and stroke

Helen Vlassara, MD
Mount Sinai School of Medicine
New York, NY
Type of Support: Research Award
Project Title: Treatment of atherosclerosis by gene therapy

Denham S. Ward, MD
University of Rochester
Rochester, NY
Type of Support: Clinical Research Award
Project Title: Role of the peripheral chemoreceptors in the counter-regulatory response to hypoglycemia and hypoxia

NORTH CAROLINA

Donald W. Bowden, PhD
Wake Forest University
Winston-Salem, NC
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Molecular genetics of diabetic cardiovascular disease

M. Elizabeth Hartnett, MD
University of North Carolina at Chapel Hill
Chapel Hill, NC
Type of Support: Research Award
Project Title: An investigation of retinal nonperfusion and its inhibition: A strategy to prevent proliferative diabetic retinopathy

Philipp E. Scherer, PhD
Albert Einstein College of Medicine
Bronx, NY
Type of Support: ADA-Takeda Pharmaceuticals Mentor-Based Minority Postdoctoral Fellowship Award
Project Title: Characterization of adipogenic progenitor cells
Funded by: Takeda Pharmaceuticals North America, Inc.

Markus Stoffel, MD, PhD
Rockefeller University
New York, NY
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: The role of Foxa-2 in insulin-regulation of lipid and glucose homeostasis

Stephen Laurence Sturley, PhD
Columbia University
New York, NY
Type of Support: Research Award
Project Title: Genetic control of cytoplasmic lipid deposition
Madan M. Kwatra, PhD  
Duke University Medical Center  
Durham, NC  
**Type of Support:** Research Award  
**Project Title:** Effect of type 2 diabetes on G protein-coupled receptors in the human heart  

Laura Ann Maile, PhD  
University of North Carolina at Chapel Hill  
Chapel Hill, NC  
**Type of Support:** Junior Faculty Award  
**Project Title:** Transmembrane proteins that function coordinately to regulate IGF-I signaling in retinal endothelial cells and pericytes  
**Funded by:** Estate of Reta Godbey  

Deborah M. Muoio, PhD  
Duke University  
Durham, NC  
**Type of Support:** Junior Faculty Award  
**Project Title:** Ketone dysregulation and muscle insulin resistance  

Christopher B. Newgard, PhD  
Duke University  
Durham, NC  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Interdisciplinary approaches for development of new therapies for diabetes  

Phillip H. Pekala, PhD  
East Carolina University  
Greenville, NC  
**Type of Support:** Research Award  
**Project Title:** The regulation of adipose tissue metabolism by the RNA binding protein HuR  

Sam Pennington, PhD  
East Carolina University  
Greenville, NC  
**Type of Support:** Research Award  
**Project Title:** Effect of maternal dietary fat on her offspring’s insulin response  

Robert Rose, PhD  
North Carolina State University  
Raleigh, NC  
**Type of Support:** Junior Faculty Award  
**Project Title:** Structure/function studies of a key beta cell transcription factor  

Michele Sale, PhD  
Wake Forest University  
Winston-Salem, NC  
**Type of Support:** Career Development Award  
**Project Title:** Identifying genes that contribute to type 2 diabetes in African Americans  

Roland M. Tisch, PhD  
University of North Carolina at Chapel Hill  
Chapel Hill, NC  
**Type of Support:** Research Award  
**Project Title:** The role of CD4+CD25+Treg in GAD65-induced suppression of autoimmune-mediated islet graft destruction  

**OHIO**  

John Anthony Bauer, PhD  
Columbus Children’s Research Institute  
Columbus, OH  
**Type of Support:** Research Award  
**Project Title:** Coronary microvessel rarefaction in type 1 diabetes
Bonnie J. Brehm, PhD, RD  
University of Cincinnati  
Cincinnati, OH  
**Type of Support:** Clinical Research Award  
**Project Title:** A comparison of high monounsaturated fat and high carbohydrate diets on glycemic control and cardiovascular risk factors in type 2 diabetes

Patrick M. Catalano, MD  
MetroHealth Medical Center  
Cleveland, OH  
**Type of Support:** Gregg Diabetes in Pregnancy Research Award  
**Project Title:** Role of placental leptin in the regulation of fetal growth and adiposity  
**Funded by:** Terry and Louise Gregg

David D'Alessio, MD  
University of Cincinnati  
Cincinnati, OH  
**Type of Support:** Research Award  
**Project Title:** Regulation of beta-cell function in intrahepatic autotransplants

Tsonwin Hai, PhD  
Ohio State University  
Columbus, OH  
**Type of Support:** Research Award  
**Project Title:** Beta cell transcriptional network in stress response

Paul E. Keck, Jr, MD  
University of Cincinnati  
Cincinnati, OH  
**Type of Support:** Clinical Research Award  
**Project Title:** A prospective study of glucose tolerance in new onset psychotic and bipolar disorder  
**Funded by:** Estate of Helen Decker

David J. Klein, MD, PhD  
Cincinnati Children's Hospital Medical Center  
Cincinnati, OH  
**Type of Support:** Clinical Research Award  
**Project Title:** A school based diabetes awareness and prevention program (DAPP)

Lisa Martin, PhD  
Cincinnati Children's Hospital Medical Center  
Cincinnati, OH  
**Type of Support:** Career Development Award  
**Project Title:** The metabolic syndrome: The role of plasma adiponectin and common genetic polymorphisms in adolescents  
**Funded by:** F.M. Kirby Foundation

Mohammed Abdul Matlib, PhD  
University of Cincinnati  
Cincinnati, OH  
**Type of Support:** Research Award  
**Project Title:** Role of mitochondria on diabetic cardiomyopathy

Sonia M. Najjar, PhD  
Medical College of Ohio  
Toledo, OH  
**Type of Support:** Research Award  
**Project Title:** Insulin signaling in fat metabolism

Stephen F. Previs, PhD  
Case Western Reserve University  
Cleveland, OH  
**Type of Support:** Junior Faculty Award  
**Project Title:** Protection against insulin resistance: Regulation of triglyceride uptake by adipose tissue

Horacio Luis Rodriguez Rilo, MD  
University of Cincinnati Medical Center  
Cincinnati, OH  
**Type of Support:** Research Award  
**Project Title:** Hyperglycemia and transplanted islet: Rationale for alternative sites
Michelle Rogers, PhD
Department of Veteran Affairs
Cincinnati, OH
Type of Support: Henry Becton Innovation Award
Project Title: The impact of the method of internet access on use of MyHealtheVet for patients with type 2 diabetes

Lawrence M. Sayre, PhD
Case Western Reserve University
Cleveland, OH
Type of Support: Research Award
Project Title: Development of selective substrate/inhibitor probes for semicarbazide-sensitive amine oxidases

Bo Wang, PhD
Cincinnati Children's Hospital Medical Center
Cincinnati, OH
Type of Support: Career Development Award
Project Title: Spatiotemporal control of insulitis in NOD mice

Jinzhong Zhang, PhD
Case Western Reserve University
Cleveland, OH
Type of Support: Lions Diabetic Retinopathy Research Award
Project Title: ACE inhibitor block diabetic retinopathy by inhibiting intracellular accumulation of glucose
Funded by: Lions Clubs International Foundation

OKLAHOMA

John D. Ash, PhD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Research Award
Project Title: The interaction between Angiopoietin 1 and transforming growth factor beta in diabetic vascular disease

Jiande Chen, MD
Veterans Research and Education Foundation
Oklahoma City, OK
Type of Support: Innovation Award
Project Title: Synchronized gastric electrical stimulation for the treatment of diabetic gastroparesis

Kenneth Hensley, PhD
Oklahoma Medical Research Foundation
Oklahoma City, OK
Type of Support: Research Award
Project Title: Tocopherol metabolites in diabetic hypertension

Yun Zheng Le, PhD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Research Award
Project Title: Retinal Müller cells in neovascularization and diabetic retinopathy

Kangmo Lu, MD, PhD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Clinical Research Award
Project Title: New risk factors of diabetic retinopathy
Partially Funded by: Jack and Maxine Zarrow Family Foundation and Thomas F. Darden/Discovery Fund

Timothy J. Lyons, MD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Research Award
Project Title: Apolipoproteins and diabetic retinopathy
Funded by: Linda C. Stills Trust
Jian-xing Ma, MD, PhD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Research Award
Project Title: A new anti-inflammatory effect of PEDF in diabetic retinopathy
Funded by: Jack and Maxine Zarrow Family Foundation

David P. Sparling
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Physician Scientist Training Award
Project Title: Molecular analysis of GLUT4 transcriptional regulatory proteins

Ming Hui Zou, MD, PhD
University of Oklahoma Health Sciences Center
Oklahoma City, OK
Type of Support: Research Award
Project Title: Oxidant stress, eicosanoids, and vascular complications in diabetes

OREGON

Thomas K. Baumann, PhD
Oregon Health & Sciences University
Portland, OR
Type of Support: Research Award
Project Title: Modulation of sensory neuron excitability by C-peptide of pro-insulin

Melanie B. Gillingham, PhD
Oregon Health & Sciences University
Portland, OR
Type of Support: Junior Faculty Award
Project Title: Fatty acid oxidation, leptin, and insulin resistance

Teresa Hillier, MD
Kaiser Permanente Center for Health Research
Portland, OR
Type of Support: Clinical Research Award
Project Title: Hyperglycemia in pregnancy: Risk factors and outcomes to mother and child in a multi-ethnic population

W. Kenneth Ward, MD
Legacy Clinical Research and Technology Center
Portland, OR
Type of Support: Research Award
Project Title: Interface of a telemetric subcutaneous glucose sensor with an external insulin pump

PENNSYLVANIA

Hwyda A. Arafat, MD, PhD
Thomas Jefferson University
Philadelphia, PA
Type of Support: Junior Faculty Award
Project Title: Role of osteopontin in pancreatic islet protection for islet transplantation

Alistair John Barber, PhD
Pennsylvania State University
Hershey, PA
Type of Support: Research Award
Project Title: Degeneration of retinal neuron connectivity in diabetes

Guenther Boden, MD
Temple University
Philadelphia, PA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Effects of free fatty acids on carbohydrate metabolism in diabetic and non-diabetic subjects
Nicholas F. Brown, PhD
University of Pittsburgh
Pittsburgh, PA
Type of Support: Junior Faculty Award
Project Title: Carnitine palmitoyltransferase, fatty acids and diabetes

Denise Charron-Prochownik, PhD
University of Pittsburgh
Pittsburgh, PA
Type of Support: Clinical Research Award
Project Title: Reproductive health program for teen girls with diabetes: An intervention study (outcome and cost-effectiveness evaluation)

David K. C. Cooper, MD, PhD, FRCS
University of Pittsburgh
Pittsburgh, PA
Type of Support: Research Award
Project Title: Tolerance induction by concomitant spleen and islet transplantation in MHC-defined miniature swine

Hengjiang Henry Dong, PhD
Children's Hospital of Pittsburgh
Pittsburgh, PA
Type of Support: Islet Cell Replacement in Type 1 Diabetes Award
Project Title: Development of insulin gene therapy for type 1 diabetes
Funded by: Edsel Ford, II, and Cynthia Ford

Hengjiang Henry Dong, PhD
Children's Hospital of Pittsburgh
Pittsburgh, PA
Type of Support: Career Development Award
Project Title: Insulin gene therapy for type 1 diabetes

Makoto Funaki, MD, PhD
University of Pennsylvania
Philadelphia, PA
Type of Support: Junior Faculty Award
Project Title: Signal transduction for GLUT4 translocation and activation by phosphoinositide and the cytoskeleton

Thomas W. Gardner, MD
Pennsylvania State University
Hershey, PA
Type of Support: Research Award
Project Title: Retinal protein synthesis in diabetes

Barry J. Goldstein, MD, PhD
Thomas Jefferson University
Philadelphia, PA
Type of Support: Research Award
Project Title: Adiponectin: Effects on endothelial function and insulin signaling

Bret Goodpaster, PhD
University of Pittsburgh
Pittsburgh, PA
Type of Support: Clinical Research Award
Project Title: Skeletal muscle lipid and insulin resistance: Effects of physical activity and weight loss

Leonard S. Jefferson, Jr., PhD
Pennsylvania State University
Hershey, PA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Role of AMP-activated protein kinase in modulating protein synthesis in skeletal muscle

David E. Kelley, MD
University of Pittsburgh
Pittsburgh, PA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Skeletal muscle insulin resistance in type 2 diabetes

Jason K. Kim, PhD
Pennsylvania State University
Hershey, PA
Type of Support: Research Award
Project Title: Role of interleukin-6 and -10 in the development of insulin resistance
Michael P. King, PhD  
Thomas Jefferson University  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Genetic correction of mitochondrial diabetes

Mitchell A. Lazar, MD, PhD  
University of Pennsylvania  
Philadelphia, PA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Biology of human resistin

Youhua Liu, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Research Award  
**Project Title:** Therapeutic role of hepatocyte growth factor in diabetes nephropathy

Xinliang Ma, MD, PhD  
Thomas Jefferson University  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Reactive nitrogen species and cardioprotection of adiponectin

Franz M. Matschinsky, MD  
University of Pennsylvania  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Induction of the pancreatic islet glucokinase glucose sensor by non-metabolizable sugars: Implications for beta cell biochemistry, diabetes and therapeutics

Penelope Anne Morel, MD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Research Award  
**Project Title:** Dendritic cells prevent type 1 diabetes by inducing Treg cells

Robert Martin O'Doherty, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Research Award  
**Project Title:** Insulin resistance and the IKK/IkappaB/NF-kappa B pathway

Jon D. Piganelli, PhD  
Children's Hospital of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Innovation Award  
**Project Title:** Endoplasmic reticulum stress (ER-stress) enhances autoantigenicity in diabetes

Paul Robbins, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Islet Cell Replacement in Type 1 Diabetes Award  
**Project Title:** Development of methods for insulin gene transfer to K cells in vivo  
**Funded by:** Don and Arleen Wagner

Rosario Scalia, MD, PhD  
Thomas Jefferson University  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Pathologic leukocyte trafficking in the microcirculation during hyperglycemia: Pathophysiologic implications in the prevention and therapy of diabetic vascular disease

Ian Simpson, PhD  
Pennsylvania State University  
Hershey, PA  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Diabetes and stroke

Ian Simpson, PhD  
Pennsylvania State University  
Hershey, PA  
**Type of Support:** Research Award  
**Project Title:** Diabetes impairs brain recovery after stroke in mice
Our Scientists Speak...

“The main area of focus in [our] investigation is the development of a childhood obesity program...I hope that by developing an intervention that can be implemented in young children that helps to bring weight down into a healthy range, the prevalence of type 2 diabetes in children will decrease.”

Hollie Raynor, PhD, RD — Brown Medical School, The Miriam Hospital, Providence, Rhode Island

“...we are testing the usefulness of a new tool to measure diabetes-related math and reading skills among a sample of primary care patients with type 2 diabetes...Ultimately, this ADA award is helping us to develop programs that will make it easier for people with diabetes to care for themselves...”

Russell Rothman, MD — Vanderbilt University Medical Center, Nashville, Tennessee

“The initial funding that I received from the ADA led to the exciting discovery of a novel islet cell type and helped to establish my successful research career.”

Lori Sussel, PhD — University of Colorado Health Sciences Center, Denver, Colorado

“I can only express admiration and respect for the commitment and dedication the American Diabetes Association displays in multiple ways that have enabled it to achieve so much over the years, and I am confident that it will continue to be supported by the extremely generous donors until the day the battle against diabetes and its complications is won.”

Helen Vlassara, MD — Mount Sinai School of Medicine, New York, New York
Charles A. Stanley, MD  
Children's Hospital of Philadelphia  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Insulin secretion, amino acids & the glutamine/glutamate/ketoglutarate axis

Andrew Fyfe Stewart, MD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Research Award  
**Project Title:** Hepatocyte growth factor and in vivo human islet function

Doris Stoffers, MD, PhD  
University of Pennsylvania  
Philadelphia, PA  
**Type of Support:** Career Development Award  
**Project Title:** Growth of the endocrine pancreas

Elsa S. Strotmeyer, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Longitudinal changes in bone mineral density with diabetes mellitus

Rupangi C. Vasavada, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Career Development Award  
**Project Title:** Lactogens and pancreatic beta cell survival

Jeffrey David Zahn, PhD  
Pennsylvania State University  
University Park, PA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Microneedle insertion actuators for minimally invasive insulin delivery to diabetic patients  
**Funded by:** Order of the Amaranth Diabetes Foundation

Janice Christine Zgibor, PhD  
University of Pittsburgh  
Pittsburgh, PA  
**Type of Support:** Junior Faculty Award  
**Project Title:** Predicting cardiovascular risk in type 1 diabetes

Fuad N. Ziyadeh, MD  
University of Pennsylvania  
Philadelphia, PA  
**Type of Support:** Research Award  
**Project Title:** Regulation of VEGF expression by angiotensin II in podocytes

**RHODE ISLAND**

Hollie Raynor, PhD, RD  
Brown Medical School, The Miriam Hospital  
Providence, RI  
**Type of Support:** ADA Healthy Food Choices Research Award  
**Project Title:** Changing eating behaviors in young children: Should healthy foods be increased or unhealthy foods decreased?  
**Funded by:** ARAMARK Charitable Fund

Surendra Sharma, PhD  
Women & Infants Hospital of Rhode Island  
Providence, RI  
**Type of Support:** Gregg Diabetes in Pregnancy Research Award  
**Project Title:** Immune programming of gestational diabetes  
**Funded by:** Terry and Louise Gregg

**SOUTH CAROLINA**

Kelly J. Hunt, PhD  
Medical University of South Carolina  
Charleston, SC  
**Type of Support:** Research Award  
**Project Title:** Gestational, early life and genetic effects on obesity and diabetes
Angela D. Liese, PhD
University of South Carolina
Columbia, SC
Type of Support: Clinical Research Award
Project Title: Dietary glycemic index in relation to the metabolic syndrome: An ancillary study to the insulin resistance arteriosclerosis study (IRAS)

**SOUTH DAKOTA**

Da-Qing Yang, PhD
University of South Dakota
Vermillion, SD
Type of Support: Innovation Award
Project Title: Functional linkage between ATM protein kinase and glucose transporter 4 translocation in response to insulin

**TENNESSEE**

Alan D. Cherrington, PhD
Vanderbilt University
Nashville, TN
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Metabolic regulation in vivo

Tom A. Elasy, MD, MPH
Vanderbilt University
Nashville, TN
Type of Support: Career Development Award
Project Title: Prevention of glycemic relapse in the primary care setting

Ivan Cullen Gerling, PhD
University of Tennessee Health Science Center
Memphis, TN
Type of Support: Innovation Award
Project Title: New biosignatures of islet graft destruction

Daryl K. Granner, MD
Vanderbilt University
Nashville, TN
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Induction of PEPCK gene expression by PGC-1 and glucocorticoids

Alyssa H. Hasty, PhD
Vanderbilt University
Nashville, TN
Type of Support: Junior Faculty Award
Project Title: The role of hyperleptinemia in macrophage cholesterol homeostasis and atherogenesis

Jung Han Kim, PhD
University of Tennessee
Knoxville, TN
Type of Support: Research Award
Project Title: Metabolic and genomic characterization of early onset hypertriglyceridemia in a new mouse model of NIDDM, TallyHo

Li-Jun Ma, MD, PhD
Vanderbilt University
Nashville, TN
Type of Support: Research Award
Project Title: Prevention of obesity and insulin resistance by inhibition of PAI-1

Mark A. Magnuson, MD
Vanderbilt University
Nashville, TN
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Mouse models that mimic human glucokinase disorders

Owen Patrick McGuinness, PhD
Vanderbilt University
Nashville, TN
Type of Support: Research Award
Project Title: Determinants of the hepatic adaptation to nutrient availability
Edwards A. Park, PhD  
University of Tennessee Health Science Center  
Memphis, TN  
**Type of Support:** Research Award  
**Project Title:** Regulation of hepatic glucose production

Russell Lawrence Rothman, MD  
Vanderbilt University  
Nashville, TN  
**Type of Support:** Novo Nordisk Clinical Research Award  
**Project Title:** Addressing literacy and numeracy in primary care patients with diabetes  
**Funded by:** Novo Nordisk, Inc.

Roland W. Stein, PhD  
Vanderbilt University  
Nashville, TN  
**Type of Support:** Research Award  
**Project Title:** Determining how the MafB transcription factor influences the formation and function of the islet

David H. Wasserman, PhD  
Vanderbilt University Medical Center  
Nashville, TN  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Control of glucose fluxes in physiology and diabetes

Lan Wu, MD  
Vanderbilt University Medical Center  
Nashville, TN  
**Type of Support:** Junior Faculty Award  
**Project Title:** Glucokinase, stress response, and beta cell failure in diabetes

Chunxiang Zhang, MD, PhD  
University of Tennessee Health Science Center  
Memphis, TN  
**Type of Support:** Junior Faculty Award  
**Project Title:** Leukocyte-derived myeloperoxidase in diabetic vascular complications

**TEXAS**

Mandeep Bajaj, MD  
University of Texas  
Galveston, TX  
**Type of Support:** Clinical Research Award  
**Project Title:** Adiponectin resistance in type 2 diabetes: Effects of exercise and PPAR-gamma agonists

Christie M. Ballantyne, MD  
Baylor College of Medicine  
Houston, TX  
**Type of Support:** Research Award  
**Project Title:** Effects of diet-induced weight gain and weight loss on inflammation in man and mouse

Philip M. Barger, MD  
Baylor College of Medicine  
Houston, TX  
**Type of Support:** Innovation Award  
**Project Title:** The role of PPAR alpha in diabetic cardiomyopathy

Narasimhaswamy S. Belaguli, PhD  
Baylor College of Medicine  
Houston, TX  
**Type of Support:** Research Award  
**Project Title:** Role of serum response factor in pancreatic development and gene expression

Shawn C. Burgess, PhD  
University of Texas Southwestern Medical Center at Dallas  
Dallas, TX  
**Type of Support:** Junior Faculty Award  
**Project Title:** Impact of extra-hepatic glucose production on liver and kidney metabolism in a transgenic mouse model
Eugenio Cersosimo, MD  
University of Texas Health Science Center at San Antonio  
San Antonio, TX  
**Type of Support:** Clinical Research Award  
**Project Title:** Strategies to improve endothelial dysfunction in Hispanics with type 2 diabetes

Chu-Huang Chen, MD, PhD  
Baylor College of Medicine  
Houston, TX  
**Type of Support:** Research Award  
**Project Title:** Phospholipid-mediated vascular endothelial cell apoptosis in hyperlipidemia

Melanie Houston Cobb, PhD  
University of Texas Southwestern Medical Center at Dallas  
Dallas, TX  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Role of map kinase in regulation of insulin gene transcription in beta cells  
**Funded by:** William K. Warren Foundation

Ralph Anthony DeFronzo, MD  
University of Texas Health Science Center at San Antonio  
San Antonio, TX  
**Type of Support:** Mentor-Based Minority Postdoctoral Fellowship Award  
**Project Title:** Lipogluoctoxicity, insulin resistance, and mitochondrial dysfunction  
**Funded by:** Takeda Pharmaceuticals North America, Inc.

Lily Q. Dong, PhD  
University of Texas Health Science Center at San Antonio  
San Antonio, TX  
**Type of Support:** Career Development Award  
**Project Title:** Regulation of adiponectin signaling by phosphorylation

Jannette Marie Dufour, PhD  
Texas Tech University Health Sciences Center  
Lubbock, TX  
**Type of Support:** Junior Faculty Award  
**Project Title:** Harnessing the immunoprotective properties of Sertoli cells for islet transplantation

Joel Keith Elmquist, DVM, PhD  
University of Texas Southwestern Medical Center at Dallas  
Dallas, TX  
**Type of Support:** The Richard & Susan Smith Family Foundation Pinnacle Program Project Award  
**Project Title:** The role of PI3K signaling in the arcuate nucleus  
**Funded by:** The Richard & Susan Smith Family Foundation

Mingui Fu, MD, PhD  
The University of Texas Southwestern Medical Center at Dallas  
Dallas, TX  
**Type of Support:** Junior Faculty Award  
**Project Title:** Role of the Ras-related GTPase Rad in diabetic vascular remodeling  
**Partially Funded by:** Estate of Raquel A. Wolfe

Samy L. Habib, PhD  
University of Texas Health Science Center at San Antonio  
San Antonio, TX  
**Type of Support:** Junior Faculty Award  
**Project Title:** Role of diabetes in development of renal cell carcinoma

Balakuntalam S. Kasinath, MD  
University of Texas Health Science Center at San Antonio  
San Antonio, TX  
**Type of Support:** Research Award  
**Project Title:** AMP kinase in diabetic nephropathy
Fred Kruse, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Innovation Award
Project Title: Ultrasound targeted microbubble destruction to treat diabetes
Funded by: Mr. and Mrs. James B. Nutter, Sr.

Lawrence A. Lavery, DPM, MPH
Texas A&M Health Science Center
Georgetown, TX
Type of Support: Clinical Research Award
Project Title: Foot complications in dialysis patients with diabetes

Donna M. Lehman, PhD
University of Texas Health Science Center at San Antonio
San Antonio, TX
Type of Support: Junior Faculty Award
Project Title: Investigation of a candidate gene for albuminuria, a marker of diabetic nephropathy, in Mexican Americans

Wen-hong Li, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Career Development Award
Project Title: Mechanisms and functions of internal calcium release in insulin secreting beta cells

Feng Liu, PhD
University of Texas Health Science Center at San Antonio
San Antonio, TX
Type of Support: Research Award
Project Title: Molecular mechanisms of hyperlipidemia-induced insulin resistance

Nicolas Musi, MD
University of Texas Health Science Center at San Antonio
San Antonio, TX
Type of Support: Junior Faculty Award
Project Title: Molecular mechanism of inflammation-associated skeletal muscle insulin resistance in Mexican Americans with type 2 diabetes

Shrikanth Reddy, PhD
University of Texas MD Anderson Cancer Center
Houston, TX
Type of Support: Research Award
Project Title: Regulation of a novel Akt-binding protein by insulin and growth factors

Joyce Repa, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Research Award
Project Title: Orphan nuclear receptor biology in the endocrine pancreas

Dawn Katrina Richardson, PhD
University of Texas Health Science Center at San Antonio
San Antonio, TX
Type of Support: ADA-EASD Trans-Atlantic Fellowship Award
Project Title: Lipo-glucotoxicity, insulin resistance, and mitochondrial dysfunction

Rajagopal V. Sekhar, MD
Baylor College of Medicine
Houston, TX
Type of Support: Innovation-Geriatric Endocrinology Award
Project Title: The effect of type 2 diabetes and aging on glutathione synthesis and oxidative stress

Lidia S. Szczepaniak, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Innovation Award
Project Title: Cardiac steatosis as a novel mechanism of diabetic heart disease in Hispanics

Ronald G. Tilton, PhD
University of Texas Medical Branch
Galveston, TX
Type of Support: Research Award
Project Title: Chronic NF-κappaB activation: Mechanisms, inhibition, and role in diabetic nephropathy
Chao-yuh Yang, PhD
Baylor College of Medicine
Houston, TX
Type of Support: Research Award
Project Title: Atherogenic low density lipoprotein fraction in type 2 diabetes mellitus

Jeffrey Marc Zigman, MD, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Junior Faculty Award
Project Title: Identification of central targets of ghrelin

Andrew Robert Zinn, MD, PhD
University of Texas Southwestern Medical Center at Dallas
Dallas, TX
Type of Support: Research Award
Project Title: Sim1 gene dosage and energy balance

Jared Paul Rutter, PhD
University of Utah
Salt Lake City, UT
Type of Support: Minority Undergraduate Internship Award
Project Title: The role of PAS kinase in beta-cell metabolism

Scott Summers, PhD
University of Utah
Salt Lake City, UT
Type of Support: Research Award
Project Title: The role of ceramides in insulin resistance

VERMONT

Thomas L. Jetton, PhD
University of Vermont
Burlington, VT
Type of Support: Research Award
Project Title: Mechanisms of compensatory beta cell mass expansion to insulin resistance

John L. Leahy, MD
University of Vermont
Burlington, VT
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Postdoctoral training in beta cell biology and pathophysiology

Mina Peshavaria, PhD
University of Vermont
Burlington, VT
Type of Support: Research Award
Project Title: Role of Foxo1, a forkhead transcription factor in islet neogenesis

Donald A. McClain, MD, PhD
University of Utah
Salt Lake City, UT
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Hexosamines and regulation of glycogen synthase

Brian Timothy O’Neill
University of Utah
Salt Lake City, UT
Type of Support: Physician Scientist Training Award
Project Title: The role of altered PI3 kinase and akt signaling in diabetic cardiomyopathy

Jared Paul Rutter, PhD
University of Utah
Salt Lake City, UT
Type of Support: Career Development Award
Project Title: The role of PAS kinase in glucose-responsive transcription in beta cells
Burton E. Sobel, MD  
University of Vermont  
Colchester, VT  
**Type of Support:** Research Award  
**Project Title:** Intramural plasminogen activator inhibitor type-1 (PAI-1): A determinant of plaque vulnerability associated with type 2 diabetes

**VIRGINIA**

Eugene J. Barrett, MD, PhD  
University of Virginia  
Charlottesville, VA  
**Type of Support:** Clinical Research Award  
**Project Title:** Insulin regulates muscle insulin delivery and uptake

Sheri R. Colberg, PhD  
Old Dominion University  
Norfolk, VA  
**Type of Support:** Clinical Research Award  
**Project Title:** Mechanisms of exercise-induced improvement in defective neurovascular function in type 2 diabetes  
**Funded by:** Order of the Amaranth Diabetes Foundation

Matthew W. Hulver, PhD  
Virginia Polytechnic Institute and State University  
Blacksburg, VA  
**Type of Support:** Junior Faculty Award  
**Project Title:** The role of stearoyl-CoA desaturase in skeletal muscle lipid accumulation and insulin resistance

John Charles Lawrence, PhD  
University of Virginia  
Charlottesville, VA  
**Type of Support:** Research Award  
**Project Title:** Mechanism of action of lipin

Zhenqi Liu, MD  
University of Virginia  
Charlottesville, VA  
**Type of Support:** Research Award  
**Project Title:** Mechanistic studies of insulin-mediated myocardial protection

Raghavendra G. Mirmira, MD, PhD  
University of Virginia  
Charlottesville, VA  
**Type of Support:** Thomas R. Lee Career Development Award  
**Project Title:** Epigenetic regulation of insulin gene transcription  
**Funded by:** Estate of Thomas R. Lee

Rita Shiang, PhD  
Virginia Commonwealth University  
Richmond, VA  
**Type of Support:** Research Award  
**Project Title:** Cloning of the wolfram syndrome 2 (WFS2) gene

Aaron I. Vinik, MD, PhD  
Eastern Virginia Medical School  
Norfolk, VA  
**Type of Support:** Clinical Research Award  
**Project Title:** The role of eicosanoids in the neurovascular dysfunction in diabetes

**WASHINGTON**

Laura Dehaven Baker, PhD  
VA Puget Sound Health Care System  
Tacoma, WA  
**Type of Support:** Clinical Research Award  
**Project Title:** Cognitive effects of aerobic exercise for older adults with impaired glucose tolerance: A controlled trial
2006 AWARD RECIPIENTS

Alan Chait, MD
University of Washington
Seattle, WA
Type of Support: ADA-Takeda Pharmaceuticals Mentor-Based Postdoctoral Fellowship Award
Project Title: Diabetes and macrovascular disease: Role of inflammation and lipoprotein-matrix interactions
Funded by: Estate of Freeda E. Kirby

Karen L. Edwards, PhD
University of Washington
Seattle, WA
Type of Support: Research Award
Project Title: Genome scan of multivariate factors underlying the metabolic syndrome in the GENNID study

Pamela Jean Fink, PhD
University of Washington
Seattle, WA
Type of Support: Innovation Award
Project Title: Induction of tolerance to pancreatic antigens in recent thymic emigrants
Funded by: Estate of Gail Patrick

Christiane S. Hampe, PhD
University of Washington
Seattle, WA
Type of Support: Career Development Award
Project Title: Epitope-specific GAD65 monoclonal antibodies modulate GAD65 antigen processing and presentation

Steven E. Kahn, MB, ChB
VA Puget Sound Health Care System
Seattle, WA
Type of Support: Distinguished Clinical Scientist Award
Project Title: The beta cell and insulin sensitivity in type 2 diabetes and related disorders

Steven E. Kahn, MB, ChB
VA Puget Sound Health Care System
Seattle, WA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Reduction of beta cell secretory demand and islet amyloid formation

Åke Lernmark, MD
University of Washington
Seattle, WA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Ian5 gene induction of type 1 diabetes

Marguerite J. McNeely, MD, MPH
University of Washington
Seattle, WA
Type of Support: Career Development Award
Project Title: Predictors and correlates of visceral adiposity

Daniel Horacio Moralejo, DVM, PhD
University of Washington
Seattle, WA
Type of Support: Junior Faculty Award
Project Title: Role of the Ian5, Cckar, and Lepr genes in diabetes and obesity development in the congenic rat

Gerald T. Nepom, MD, PhD
Benaroya Research Institute at Virginia Mason
Seattle, WA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Autoreactive T cells in type 1 diabetes
Vincent Poitout, PhD
Pacific Northwest Research Institute
Seattle, WA
Type of Support: Career Development Award
Project Title: Mechanisms of fatty-acid potentiation of insulin secretion
Funded by: Estate of Thomas R. Lee

Helena Kristiina Reijonen, PhD
Benaroya Research Institute at Virginia Mason
Seattle, WA
Type of Support: Research Award
Project Title: Autoreactive CD4+ T-cells in type 1 diabetes and mechanisms of MHC class II mediated protection

Christopher John Rhodes, PhD
Pacific Northwest Research Institute
Seattle, WA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Postdoctoral research into signal transduction and control of beta-cell function, growth and survival

R. Paul Robertson, MD
Pacific Northwest Research Institute
Seattle, WA
Type of Support: Mentor-Based Postdoctoral Fellowship Award
Project Title: Chronic oxidative stress as a mechanism for glucose toxicity

Nicole M. Sanders, PhD
VA Puget Sound Health Care System
Seattle, WA
Type of Support: Junior Faculty Award
Project Title: The role of hindbrain serotonin neurons in glucose counterregulatory responses and in the development of hypoglycemia-associated autonomic failure (HAAF)

Stuart J. Shankland, MD
University of Washington
Seattle, WA
Type of Support: ADA-Takeda Pharmaceuticals Mentor-Based Minority Postdoctoral Fellowship Award
Project Title: Angiotensin II and the podocyte in diabetic nephropathy
Funded by: Takeda Pharmaceuticals North America, Inc.

David Scott Weigle, MD
University of Washington
Seattle, WA
Type of Support: Clinical Research Award
Project Title: The impact of dietary omega-3-polyunsaturated fatty acids on the regulation of body weight
Funded by: Judith E. and Joseph C. Cook, Jr., Foundation

Bessie Ann Young, MD
University of Washington
Seattle, WA
Type of Support: Career Development Award
Project Title: Racial differences in the epidemiology, treatment and progression of diabetic nephropathy

R. Paul Robertson, MD
Pacific Northwest Research Institute
Seattle, WA
Type of Support: Research Award
Project Title: Regulation of T cell tolerance by scurfin FoxP3

WEST VIRGINIA

Jason Delwyn Huber, PhD
West Virginia University
Morgantown, WV
Type of Support: Junior Faculty Award
Project Title: Effects of diabetes on blood-brain barrier function and structure
Heimo Riedel, PhD  
West Virginia University  
Morgantown, WV  
**Type of Support:** Research Award  
**Project Title:** Grb10, a missing piece in the insulin receptor signaling puzzle

**WISCONSIN**

Alan D. Attie, PhD  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Genetics and genomics of type 2 diabetes in mice  
**Partially Funded by:** Estate of Richard Hinny

Lisa Ann Cirillo, PhD  
Medical College of Wisconsin  
Milwaukee, WI  
**Type of Support:** Research Award  
**Project Title:** Chromatin binding and remodeling by Foxo1

Lisa Ann Cirillo, PhD  
Medical College of Wisconsin  
Milwaukee, WI  
**Type of Support:** Innovation Award  
**Project Title:** Chromatin remodeling during insulin signaling: The role of Foxo1  
**Partially Funded by:** Robert V. & Joan Doehler Poppert

Soumitra Ghosh, MD, PhD  
Medical College of Wisconsin  
Milwaukee, WI  
**Type of Support:** Research Award  
**Project Title:** Genetics of autoimmunity in type 1 diabetes mellitus

Ronald Klein, MD, MPH  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Mentor-Based Postdoctoral Fellowship Award  
**Project Title:** Population-based epidemiology of diabetic complications

Jon S. Odorico, MD  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Research Award  
**Project Title:** Pancreatic lineage specification from endoderm-committed ES cells

Mari Palta, PhD  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Clinical Research Award  
**Project Title:** The Wisconsin women and diabetes study: Bone mineral density and estrogen levels in premenopausal women with and without type 1 diabetes

Anath Shalev, MD  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Junior Faculty Award  
**Project Title:** Control of human insulin biosynthesis by specific regulation of translation

Nader Sheibani, PhD  
University of Wisconsin-Madison  
Madison, WI  
**Type of Support:** Research Award  
**Project Title:** Thrombospondin-1 and development of diabetic retinopathy

**WYOMING**

Nair Sreejayan, PhD  
University of Wyoming  
Laramie, WY  
**Type of Support:** Junior Faculty Award  
**Project Title:** Novel synthetic chromium-amino acid complexes as enhancers of insulin response
The American Diabetes Association Research Foundation provides support to select federally funded research programs. The Association feels that these programs hold significant promise to affect the lives of individuals with diabetes or those at risk for developing the disease. By contributing to these studies, additional research will be completed that would not have been possible without our contribution.

**Glycemic Control and Complications in Diabetes Mellitus Type 2**

Primary Funding Agency: Veterans Administration

Study Location: Friends Research Institute, Baltimore, Maryland

Cardiovascular complications are major causes of illness and death in patients with type 2 diabetes. The purpose of this clinical trial is to study the effect of intensive glucose control on cardiovascular complications in patients with type 2 diabetes.

**HEALTHY Trial [Formerly STOPP-T2D (Studies to Treat or Prevent Pediatric Type 2 Diabetes)]**

Primary Funding Agency: National Institute of Diabetes & Digestive & Kidney Diseases of the National Institutes of Health

Additional Funding: The Institute for Public Health and Water Research

Study Location: Seven sites around the country

The HEALTHY Trial will test a program to lower risk factors for type 2 diabetes in middle school students by improving cafeteria lunches, vending machine offerings, and physical education and promoting behavioral change.

**TODAY (Treatment Options for Type 2 Diabetes in Adolescents and Youth) Trial**

Primary Funding Agency: National Institute of Diabetes & Digestive & Kidney Diseases of the National Institutes of Health

Study Location: Twelve medical centers and affiliated sites around the country

There are currently only two approved drug therapies for children with type 2 diabetes: metformin and insulin. Experience with adults with diabetes demonstrates that, over time, it becomes harder to control blood glucose with a single medication alone. The TODAY study seeks to identify the best treatment of type 2 diabetes in children and teens.
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<th>Adipocytes</th>
<th>New York</th>
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<tr>
<td>Arkansas</td>
<td>Philipp E. Scherer, PhD**</td>
<td>Paul E. Keck, Jr., MD**</td>
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<td>Randall Joseph Owens, PhD**</td>
<td>North Carolina</td>
<td>Lawrence M. Sayre, PhD***</td>
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<td>California</td>
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<td>Nai-Wen Chi, MD, PhD**</td>
<td>Robert Roy Henry, MD**</td>
<td>Jiande Chen, MD***</td>
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<td>Clinical Diabetes</td>
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<td>Guillerme E. Umpierrez, MD**</td>
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<td>Mariano Ubeda-Minarro, MD***</td>
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<td>Clinical Therapeutics/New Technology</td>
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</tr>
</tbody>
</table>

* Type 1 diabetes  
** Type 2 diabetes  
*** Both type 1 and type 2 diabetes  
**** Gestational diabetes
INDEX (continued)

Massachusetts
Laura E. Benjamin, PhD***

Missouri
Randy S. Sprague, MD**

Nebraska
Keshore Roshan Bidasee, PhD*

New York
John Quilley, PhD*

Ohio
Mohammed Abdul Matlib, PhD***

Texas
Philip M. Barger, MD***
Sany L. Habib, PhD*

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Alabama
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Georgia
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Maryland
Joel Gittelsohn, PhD**

Massachusetts
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Michigan
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Minnesota
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Russell Lawrence Rothman, MD**

Diabetic Dyslipidemia
California
Ganesaratnam K. Balendiran, PhD**

Epidemiology
Arizona
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Assianura Ferrari, MD, PhD***
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Massachusetts
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Minnesota
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Oregon
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South Carolina
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Washington
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Exercise
Colorado
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Michigan
Kimberlee A. Gretebeck, PhD**

Missouri
John Otto Holloszy, MD***

Virginia
Eugene J. Barrett, MD, PhD***
Sheri R. Colberg, PhD**

* Type 1 diabetes    *** Both type 1 and type 2 diabetes
** Type 2 diabetes    **** Gestational diabetes
INDEX (continued)

Foot Care, Lower Extremities
Maryland
John W. Harmon, MD***
Massachusetts
Aristidis Veves, MD***
Texas
Lawrence A. Lavery, DPM, MPH***

Gene Chips and Microarrays
New York
Derek Le Roith, MD, PhD**
Wisconsin
Soumitra Ghosh, MD, PhD*

Gene Regulation
Illinois
Xiubei Liao, PhD**
Michigan
Pukhrambam Lalit Singh, PhD***
North Carolina
Robert Rose, PhD***
Virginia
Raghavendra G. Mirmira, MD, PhD***

Genetics
Arizona
Clifton Bogardus, MD**
Arkansas
Steven C. Elbein, MD**
California
Thomas Allen Buchanan, MD**
Wen-Chi Hsueh, PhD**
Jerrold M. Olefsky, MD**
Miklos Peterfy, PhD**
Richard M. Watanabe, PhD**

Colorado
Pamela R. Fain, PhD*
Tasha E. Fingerlin, PhD**

Georgia
Qing-Sheng Mi, MD, PhD*
Cong-Yi Wang, MD*

Illinois
Nancy J. Cox, PhD***

Louisiana
Aamir R. Zuberi, PhD**

Maine
Edward H. Leiter, PhD**

Maryland
Alan Rodnery Shuldiner, MD**

Massachusetts
David Altshuler, MD, PhD**
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Todd R. Golub, MD**
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Diane J. Mathis, PhD*
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John Peter Mordes, MD*
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Michigan
Todd Leff, PhD**

New York
Peter Antinozzi, PhD**
John M. Greally, PhD**
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North Carolina
Michele Sale, PhD**

Pennsylvania
Michael P. King, PhD**

Tennessee
Jung Han Kim, PhD**

Texas
Donna M. Lehman, PhD**
Dawn Katrina Richardson, PhD**

Virginia
Rita Shiang, PhD***

Washington
Karen L. Edwards, PhD**
Daniel Horacio Moralejo, DVM, PhD***

Health Care Delivery/Economics
California
Anne Peters Harmel, MD**

Colorado
Raymond Oliver Estacio, MD**

Michigan
Catherine Kim, MD, MPH***

Minnesota
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* Type 1 diabetes    *** Both type 1 and type 2 diabetes
** Type 2 diabetes    **** Gestational diabetes
Ohio
Michelle Rogers, PhD**

Hypoglycemia
Connecticut
Ewan Craig McNay, PhD***
Massachusetts
Rohit N. Kulkarni, MD, PhD*
Missouri
Philip E. Cryer, MD***
Tennessee
Roland W. Stein, PhD**
Washington
Nicole M. Sanders, PhD***

Immunology
California
George K. Chandy, MD, PhD*
Hugh O. McDevitt, MD*
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Colorado
Kathryn Haskins, PhD*
John C. Hutton, PhD***
David H. Wagner, PhD*
Connecticut
Richard A. Flavell, PhD*
Li Wen, MD, PhD*
Florida
Changqing Xia, MD, PhD*

Georgia
Mark Ransford Rigby, MD, PhD*

Illinois
Mary E. Pauza, PhD*

Kentucky
Esma Shirwan Yolcu, PhD*

Louisiana
Christopher G. Kevil, PhD*

Maine
Edward H. Leiter, PhD***

Massachusetts
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Minnesota
Pratima Bansal Pakala, PhD*
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Pennsylvania
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Washington
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Insulin Action
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Suresh T. Mathews, PhD**

Arizona
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California
Andrew G. Dillin, PhD**
Peter J. Havel, PhD**
Michael Karin, PhD**
Marc Montminy, MD, PhD**
Andreas Stahl, PhD**
Connecticut
Jonathan S. Bogan, MD**

Illinois
Matthew J. Brady, PhD**

Indiana
Jeffrey S. Elmendorf, PhD***

Maine
Amy J. Davidoff, PhD***

Maryland
Michael J. Quon, MD, PhD**

Massachusetts
Joshua Aaron Beckman, MD**
Keyong Du, PhD**
Gokhan S. Hotamisligil, MD, PhD**
Barbara Barken Kahn, MD**
C. Ronald Kahn, MD**
Konstantin V. Kandror, PhD**
Harvey F. Lodish, PhD**
Morris F. White, PhD**
INDEX (continued)

Michigan
Diane C. Fingar, PhD**
Assia C. Shisheva, PhD**
Missouri
Jamal A. Ibdah, MD, PhD**
Kelle Harbert Moley, MD***
Michael M. Mueckler, PhD***
New York
Jeanine B. Albu, MD**
Jonathan M. Backer, MD**
Chan Y. Jung, MD, PhD***
Derek Le Roith, MD, PhD**
Robert A. Mooney, PhD**
Jeffrey E. Pessin, PhD**
Luciano Rossetti, MD**
Markus Stoffel, MD, PhD**
North Carolina
Deborah M. Muoio, PhD**
Oklahoma
David P. Sparling**
Pennsylvania
Makoto Funaki, MD, PhD**
Barry J. Goldstein, MD, PhD***
Leonard S. Jefferson, Jr., PhD***
Jason K. Kim, PhD**
Mitchell A. Lazar, MD, PhD**
Robert Martin O’Doherty, PhD**
South Dakota
Da-Qing Yang, PhD**
Texas
Joel Keith Elmquist, DVM, PhD**
Feng Liu, Ph.D**
Nicolas Musi, MD**
Shrikanth Reddy, Ph.D**
Utah
Brian Timothy O’Neill***
Scott Summers, PhD**
Virginia
John Charles Lawrence, PhD**
West Virginia
Heimo Riedel, PhD**
Insulin Synthesis/Secretion/Resistance
Michigan
Liangleou Rui, PhD**
New York
Katherine A. Kaproth-Joslin***
North Carolina
Sam Pennington, PhD**
Ohio
Sonia M. Najjar, PhD**
Wisconsin
Anath Shalev, MD***
Integrated Physiology
California
Robert V. Farese, Jr., MD**
David Gregory Gardner, MD**
Michael Isaac Goran, PhD***
Isabel Reyes Huey Hsu, MA**
Connecticut
Gerald I. Shulman, MD, PhD***
Georgia
Xiaonan H. Wang, MD***
Iowa
Kevin L. Schalinske, PhD*
Louisiana
Andrew Alistair Butler, PhD**
Maryland
Pere Puigserver, PhD***
Massachusetts
Franklin H. Bunn, MD***
Allison B. Goldfine, MD**
Laurie J. Goodyear, PhD**
Richard Ho, PhD**
Gokhan S. Hotamisligil, MD, PhD**
Young-Bum Kim, PhD**
Steven E. Shoelson, MD, PhD**
Bruce Spiegelman, PhD***
Yong-Xu Wang, PhD**
Michigan
Robert George MacKenzie, PhD**
Martin G. Myers, Jr., MD, PhD**
Jessica Schwartz, PhD**
Minnesota
ZengKui Guo, PhD**
Robert A. Rizza, MD***
New York
Domenico Accili, MD**
Maureen J. Charron, PhD**
Blandine Laferrere, MD**
David Joseph Lefer, PhD**
Evan David Muse**
North Carolina
Christopher B. Newgard, PhD***
Ohio
David D’Alessio, MD***
Stephen F. Previs, PhD**
INDEX (continued)

Oregon
Melanie B. Gillingham, PhD**

Pennsylvania
Nicholas F. Brown, PhD**
Bret Goodpaster, PhD**
David E. Kelley, MD**

Tennessee
Alan D. Cherrington, PhD***
Daryl K. Granner, MD***
Owen Patrick McGuinness, PhD***
Edwards A. Park, PhD**
David H. Wasserman, PhD***

Texas
Shawn C. Burgess, PhD***
Ralph Anthony DeFronzo, MD**

Virginia
Matthew W. Hulver, PhD**

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Steven Emanuel Kahn, MB, ChB**
Vincent Poitout, PhD, DVM**

Islet Biology

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Jan Jensen, PhD***
Subbiah Pugazhenthhi, PhD*
Lori Sussel, PhD***

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Elizabeth Fenjves, PhD*
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Illinois
Louis H. Philipson, MD, PhD***

Indiana
Debbie C. Thurmond, PhD***
Xin Zhang, PhD*

Kentucky
Brian Scott Finlin, PhD**
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Louisiana
Ming Li, PhD**
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Maryland
David Mears, PhD**

Massachusetts
Colin Leech, PhD**
David Michael Miller, BA*
David Brian Rhoads, PhD***
Melissa K. Thomas, MD, PhD***
Fumihiko Urano, MD***
Gordon Campbell Weir, MD***
Gordon Curtis Yaney, PhD**

Michigan
Anjan Kowluru, PhD*
Richard M. Mortensen, MD, PhD***

Missouri
Ernesto Bernal-Mizrachi, MD***
John A. Corbett, PhD**
Michael L. McDaniel, PhD***
Marshall Alan Permutt, MD***

New York
Lonny R. Levin, PhD***

Ohio
Tsonwin Hai, PhD***

Pennsylvania
Hwyda A. Arafat, MD, PhD*
Franz M. Matschinsky, MD**
Charles A. Stanley, MD***
Doris Stoffers, MD, PhD***
Rupangi C. Vasavada, PhD***

Tennessee
Mark A. Magnuson, MD***

Texas
Narasimhaswamy S. Belaguli, PhD***
Melanie Houston Cobb, PhD**
Joyce Repa, PhD**

Utah
Jared Paul Rutter, PhD***

Vermont
Thomas L. Jetton, PhD**
Mina Peshavaria, PhD**

Washington
R. Paul Robertson, MD**

* Type 1 diabetes
** Type 2 diabetes
*** Both type 1 and type 2 diabetes
**** Gestational diabetes
<table>
<thead>
<tr>
<th>Islet Replacement</th>
<th>Macrovascular/Cardiovascular</th>
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<td>John Anthony Bauer, PhD***</td>
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<td>Pennsylvania</td>
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<td>Rosario Scalia, MD, PhD***</td>
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<td>Tennessee</td>
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<td>Alyssa H. Hasty, PhD***</td>
</tr>
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<td>Chunxiang Zhang, MD, PhD***</td>
</tr>
<tr>
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<td>Texas</td>
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<td>Christie M. Ballantyne, MD**</td>
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<td></td>
<td>Eugenio Cersosimo, MD***</td>
</tr>
<tr>
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<td>Chu-Huang Chen, MD, PhD***</td>
</tr>
<tr>
<td></td>
<td>Mingui Fu, MD, PhD***</td>
</tr>
<tr>
<td>Vermont</td>
<td>Ohio</td>
</tr>
<tr>
<td></td>
<td>Burton E. Sobel, MD**</td>
</tr>
<tr>
<td>Virginia</td>
<td>Oklahoma</td>
</tr>
<tr>
<td></td>
<td>Marc Kenneth Halushka, MD, PhD**</td>
</tr>
<tr>
<td></td>
<td>Mary Kenneth Halushka, MD, PhD**</td>
</tr>
<tr>
<td>Washington</td>
<td>Virginia</td>
</tr>
<tr>
<td></td>
<td>Zhenqi Liu, MD***</td>
</tr>
<tr>
<td>Vermont</td>
<td>New York</td>
</tr>
<tr>
<td></td>
<td>William</td>
</tr>
<tr>
<td></td>
<td>Alan Chait, MD***</td>
</tr>
</tbody>
</table>

* Type 1 diabetes  ** Type 2 diabetes  *** Both type 1 and type 2 diabetes  **** Gestational diabetes
Nephropathy

Arizona
Johanna K. Wolford, PhD***

District of Columbia
Christine Maric, PhD***

Illinois
Daniel Battle, MD***
Farhad R. Danesh, MD***
Charles William Heilig, MD**
Yan Chun Li, PhD***

Kentucky
Lisa R. Tannock, MD***

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Andrzej S. Krolewski, MD, PhD***

Michigan
Pedro Cortes, MD*
Ram K. Menon, MD*

Nebraska
Steven C. Sansom, PhD**

New York
Samy I. McFarlane, MD**

Pennsylvania
Youhua Liu, PhD***
Fuad N. Ziyadeh, MD***

Tennessee
Li-Jun Ma, MD, PhD**

Texas
Balakuntalam S. Kasinath, MD*
Ronald G. Tilton, PhD**

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Stuart J. Shankland, MD**

Neurology

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Mark A. Yorek, PhD***

Neuropathy

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Arin Bhattacharjee, PhD***
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Aaron I. Vinik, MD, PhD**

Nutrition/Clinical

Connecticut
Valerie B. Duffy, PhD, RD***

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Nebraska
Steven C. Sansom, PhD**

New York
Samy I. McFarlane, MD**

Pennsylvania
Youhua Liu, PhD***
Fuad N. Ziyadeh, MD***

Tennessee
Li-Jun Ma, MD, PhD**

Texas
Balakuntalam S. Kasinath, MD*
Ronald G. Tilton, PhD**

Washington
Stuart J. Shankland, MD**

INDEX (continued)
INDEX (continued)

Utah
Donald A. McClain, MD, PhD***

Washington
David Scott Weigle, MD**

Other

Alabama
Paul E. Wolkowicz, PhD***

Arkansas
Beata Lecka-Czernik, PhD**

Massachusetts
Mukesh K. Jain, MD**

Missouri
Randy S. Sprague, MD**

Pennsylvania
Hengjiang Henry Dong, PhD*
Ian Simpson, PhD***

Texas
Lidia S. Szczepaniak, PhD**

Pediatrics

Connecticut
Sonia Caprio, MD**
Catherine Weikart Yeckel, PhD**

Louisiana
Stuart A. Chalew, MD***

Pregnancy

California
Lois Jovanovic, MD*
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Ohio
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Psychosocial/Behavioral Medicine

Florida
Amanda Sobel Lochrie, PhD**

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Pennsylvania
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Retinopathy

Massachusetts
George L. King, MD****
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New Mexico
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North Carolina
M. Elizabeth Hartnett, MD***
Laura Ann Maile, PhD***

Ohio
Jinzhong Zhang, PhD***

Oklahoma
Yun Zheng Le, PhD***
Kangmo Lu, MD, PhD*
Timothy J. Lyons, MD***
Jian-xing Ma, MD, PhD***

Pennsylvania
Alistair John Barber, PhD***
Thomas W. Gardner, MD***

Wisconsin
Nader Sheibani, PhD***

United Kingdom
Stephen Nussey, BM, BCh***

Signal Transduction (Non-Insulin Action)

California
John Darling Baxter, MD**
Ira D. Goldfine, MD***
Marc Montminy, MD, PhD**

Georgia
Jennifer L. Gooch, PhD***

Illinois
H. Clive Palfrey, PhD***
Christopher John Rhodes, PhD***

* Type 1 diabetes  ** Type 2 diabetes  *** Both type 1 and type 2 diabetes  **** Gestational diabetes
INDEX (continued)

Kansas
Rick T. Dobrowsky, PhD***

Kentucky
Ming Cui Gong, MD, PhD**

Louisiana
Thomas W. Gettys, PhD**

Massachusetts
Zhen Y. Jiang, MD, PhD***

New Jersey
Ashwani Malhotra, PhD*

New York
Jonathan M. Backer, MD**
Chi-Wing Chow, PhD**
George Gilbert Holz, PhD***
Stevan R. Hubbard, PhD**
Zheng-Gen Jin, PhD***

North Carolina
Madan M. Kwatra, PhD**

Oklahoma
John D. Ash, PhD***

Pennsylvania
Xinliang Ma, MD, PhD**

Texas
Lily Q. Dong, PhD**

Wisconsin
Lisa Ann Cirillo, PhD***

Transplantation

California
Chih-Pin Liu, PhD***

Colorado
Ronald G. Gill, PhD*

Massachusetts
Martin Beinborn, MD*

Minnesota
Zhiguang Guo, MD, PhD*

Ohio
Horacio Luis Rodriguez Rilo, MD*

Pennsylvania
David K.C. Cooper, MD, PhD, FRCS*

Tennessee
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Texas
Jannette Marie Dufour, PhD*