Shichun Bao, M.D., Ph.D., along with numerous other physicians, nurses, and educators, has set up a Diabetes Technology Clinic within the Eskind Diabetes Clinic at Vanderbilt University Medical Center, where she has been testing out the newest technology in insulin delivery. Dr. Bao hopes this new clinic will better serve diabetes patients by educating them on the recent innovations in diabetes care.

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Alyssa Hasty, Ph.D., Molecular Physiology & Biophysics Professor and DRTC Investigator, has been named Associate Dean for Faculty Development for Basic Sciences at Vanderbilt University School of Medicine.

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In the *American Journal of Physiology-Endocrinology and Metabolism*, Kristie Aamodt, an M.D., Ph.D. student, Marcela Brissova, Ph.D., Alvin Powers, M.D., and colleagues reported a strategy to rapidly test potential mitogens for their ability to increase human beta cell replication. Human pancreatic islets were dispersed into single cells and stimulated with a series of mitogenic compounds. After staining, an automated imaging and analysis approach was developed to identify the number of dividing beta islet cells.

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My Health Chat: Advances in Diabetes Research

2016 a year of milestones, accomplishments for VUMC

Maureen Gannon, Ph.D.
National Institutes of Health Women Scientist

The NIH Working Group on Women in Biomedical Careers is a trans-NIH effort to consider barriers for women in science and to develop innovative strategies to promote entry, recruitment, retention, and sustained advancement of women in biomedical and research careers

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Slowing the burden of diabetes

Researchers at VUMC received more than $11 million in new grant support aimed at slowing the growing burden of diabetes.

One new grant from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) of the NIH (grant number DK106755) will provide $6.2 million over five years to discover “pancreatic islet signatures” in type 2 diabetes. A second NIDDK grant (DK108120) will provide $4.4 million over five years to study the maturation
of the human pancreas during the first five years of life.

**Food Study Seeks to Help Employees Make Healthier Choices »**

**Study tracks diabetes management via text messaging »**

**Sleep issues in children with diabetes »**

Vanderbilt Diabetes Day Honorees, please **CLICK HERE »**

Vanderbilt Diabetes Other Prestigious Awards, please **CLICK HERE »**

Vanderbilt Diabetes Community Outreach, please **CLICK HERE »**

Vanderbilt Diabetes Clinical Trials Submissions, please **CLICK HERE »**

VUMC Research Cores Speed Pace of Discovery, please **CLICK HERE »**

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2016 Featured Articles

**Powers Named 2016 President of the American Diabetes Association »**

**Powers receives 2016 Faculty Award: Elaine Sanders-Bush Award »**

**Making Human Beta Cells Reproduce »**

**Stem Cells Promote Tolerance »**

**Irwin Eskind Lecture in Biomedical Science »**

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**Stem Cells Promote Tolerance »**

**A New Approach To Retraining Immunity In Patients With Type 1 Diabetes »**

Daniel Moore, M.D., Ph.D.

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**NIH Grant Bolsters Mass Spectrometry Research Initiatives**

The five-year, $10.5-million grant will support groundbreaking projects aimed at visualizing, at the molecular level, retinal disease, ovarian cancer, the impact of diabetes on the kidney and brain, and host-pathogen interactions in infectious diseases, said the grant's principal investigator, Richard Caprioli, Ph.D.
**Diabetes Drugs May Ease Addiction**

Drugs that mimic the action of glucagon-like peptide 1 (GLP-1), and which are being used clinically to treat obesity and Type 2 diabetes, also may have a role in treating drug abuse.

That’s the implication of a study in mice by Aurelio Galli, Ph.D., and colleagues published recently in the journal Translational Psychiatry.

**Major grants bolster VUMC diabetes research**

“We hope these grants will provide new insight into what causes the insulin deficiency in both type 1 and type 2 diabetes and help us understand how to prevent or better treat diabetes.”

**Study Spots Possible New Approach to Prevent Obesity**

**New Targets for Diabetic Retinopathy**

**Study Shows Brain Function Differs in Obese Children**
Prostate Cancer Survivors’ Risk of Heart Disease Studied

Inflammation, Obesity and Diabetes
Richard Breyer, Ph.D., and colleagues

Diabetes Trial Targets Body’s Ability to Produce Insulin

Mouse Metabolic Phenotyping Center
David Wasserman, Ph.D., and colleagues

Diabetes Effort Aims to Boost Function of Insulin-Producing Cells
Al Powers, M.D., Chunhua Dai, M.D., Marcela Brissova, Ph.D., and colleagues

Tiny Model of Diabetes
Wenbiao Chen, Ph.D., and colleagues

VUMC Research Cores Speed Pace of Discovery
Roger Cone, Ph.D., Masoud Ghamari-Langroudi, M.D., Ph.D., Jerod Denton, Ph.D., and colleagues

Beta Cell Link to Fasting Glucose
Jamey Young, Ph.D., Richard O’Brien, Ph.D., and colleagues

Lymphocyte Study Reveals Obesity Clues
Lan Wu, M.D., Luc Van Kaer, Ph.D., and colleagues
Receptor Discovery Shines New Light on Appetite Regulation »
Roger Cone, Ph.D., and colleagues

Study Examines Therapeutic Bacteria’s Ability to Prevent Obesity »
Sean Davies, Ph.D., and colleagues

Diabetes Researchers Track Cells’ Ability to Regenerate »
Marcela Brissova, Ph.D., Rachel Reinert, Ph.D., and colleagues

Matrix Remodeling & Insulin Resistance »
Li Kang, Ph.D., David Wasserman, Ph.D., and colleagues

Powers Named to American Diabetes Association Board »
Alvin C. Powers, M.D.

Is Healthy Obesity Possible? »
David Cappel, John Stafford, M.D., Ph.D., and colleagues

Vanderbilt Diabetes: Other Diabetes Research in the News »

Vanderbilt Diabetes: Diabetes Day Honorees »
Vanderbilt Diabetes: Featured Investigators »
Vanderbilt Diabetes: Other Prestigious Awards »

Attachments

2016_Tour_de_Cure_Brochure.pdf - Added on March 28, 2016 at 1:26 PM by Terri Ray

Flyer__Vanderbilt_Team.pdf - Added on March 28, 2016 at 11:19 AM by Terri Ray