

Initial Round of CTSI Pilot Projects Awarded

Out of seventy applications received, Penn State Clinical and Translational Science Institute has selected thirteen pilot projects for funding. Pooling of resources from the College of Medicine, Huck Institutes of the Life Sciences, the Social Science Research Institute, and the Institute for Computational Science enabled the Institute to support a larger-than-anticipated number of projects, reflecting Penn State's strong commitment to innovative and collaborative translational research. These thirteen projects involve fifty-seven faculty members located at three campuses and eight colleges. Thanks to all faculty who submitted proposals and to the thirty-eight faculty members who served as peer reviewers. Congratulations to the awardees!

Eating Behaviors Phenotypes: Relationship to Risk Factors for Metabolic Syndrome and Peripheral Feeding Signals

Leann Birch, Ph.D., human development & family studies, University Park
MaryJane De Souza, Ph.D., kinesiology, University Park
Nancy Williams, Sc.D., kinesiology, University Park
Nick Bellissimo, Ph.D., kinesiology, University Park
Cynthia Bartok, Ph.D., nutrition, University Park
Ian Paul, M.D., pediatrics, Hershey

Vitamin D and Crohn's Disease: From the Bench to the Clinic

Margherita Cantorna, Ph.D., veterinary & biomedical sciences, University Park
Terry Hartman, Ph.D., M.P.H., nutrition, University Park
Jill Smith, M.D., gastroenterology, Hershey

Adapting an RNA Sensor Platform to Protein Detection Using Aptamers

Gary Clawson, M.D., Ph.D., pathology, Hershey
Rustom B. Bhiladvala, Ph.D., electrical engineering, University Park
Christine D. Keating, Ph.D., chemistry, University Park
Theresa S. Mayer, Ph.D., electrical engineering, University Park
Wei-Hua Pan, M.S., pathology, Hershey
Kevin Staveley-O'Carroll, M.D., surgery, Hershey
Diane M. Thiboutot, M.D., dermatology, Hershey

A Novel Dietary Iron Supplement for the Treatment of Iron Deficiency Anemia

James Connor, Ph.D., neurosurgery, Hershey
John Beard, Ph.D., nutrition, University Park
Robert Cooney, M.D., surgery, Hershey
Ralph Keil, Ph.D., biochemistry, Hershey

Role of UGT2B7 Genotype in Patient Response to Tamoxifen

Leah Cream, M.D., hematology/oncology, Hershey
Philip Lazarus, Ph.D., pharmacology, Hershey
J Stanley Smith, M.D., surgery, Hershey

Interactive Web-Based Diabetes Self-Management Tool

Robert Gabbay, M.D., Ph.D., medicine, Hershey
Heather Stuckey, D.Ed., adult education, Harrisburg
Brian Smith, Ph.D., information science & technology, University Park
S. Shyam Sundar, Ph.D., film-video & media studies, University Park
David Mauger, Ph.D., public health sciences, Hershey

Development of Novel Molecular Subtyping Methods for Identifying Pathways of Transmission of Endemic and Epidemic Clones of Community-Associated and Health Care-Associated Methicillin-Resistant *Staphylococcus aureus* (MRSA)

Stephen Knabel, Ph.D., food science, University Park
Cynthia Whitener, M.D., infectious diseases, Hershey
Edward Dudley, Ph.D., food science, University Park
Bhushan Jayarao, Ph.D., veterinary & biomedical sciences, University Park
Kathleen Julian, M.D., infectious diseases, Hershey
Wallace Green, Ph.D., pathology, Hershey

Nanostructured Raman Detection and Diagnosis of Respiratory Pathogens

Melik Demirel, Ph.D., engineering science & mechanics, University Park
Mary Poss, Ph.D., biology, University Park
David Allara, Ph.D., chemistry, University Park
Dani Zander, M.D., pathology, Hershey

Pattern Recognition From 3D Histology Images for Translational Science and Discovery

Yanxi Liu, Ph.D., computer science & engineering, University Park
Keith Cheng, M.D., Ph.D., pathology, Hershey

Sequencing of LGL Leukemia Retrovirus Genome

Thomas Loughran, M.D., hematology/oncology, Hershey
Stephan Schuster, Ph.D., biochemistry-molecular biology, University Park
Susan Nyland, Ph.D., medicine, Hershey
Mary Poss, Ph.D., biology, University Park

Mechanisms of Unexpected Drug Side Effects Related to Obesity and Diabetes

Christopher Lynch, Ph.D., cellular & molecular physiology, Hershey
Ravi Singareddy, M.D., psychiatry, Hershey
David Mauger, Ph.D., public health sciences, Hershey

Dissecting the Interaction Between Radiofrequency Ablation and Tumor Antigen-Specific Immune Response in Hepatocellular Cancer: A Murine Model and a Human Protocol

Kevin Staveley-O'Carroll, M.D., surgery, Hershey
Serene Shereef, M.D., surgery, Hershey
Hephzibah Tagaram, M.D., surgery, Hershey
Diego Avella, M.D., surgery, Hershey
Eric Kimchi, M.D., surgery, Hershey
Niraj Gusani, M.D., surgery, Hershey
Peter Waybill, M.D., radiology, Hershey

Todd Schell, Ph.D., microbiology & immunology, Hershey
Harriet Isom, Ph.D., microbiology & immunology, Hershey
Yixing Jiang, M.D., Ph.D., hematology/oncology, Hershey

Central Pennsylvania Women's Health Study (CePAWHS): Extending the *Strong Healthy Women Behavior Change Intervention to Urban Areas*

Carol Weisman, Ph.D., public health sciences, Hershey
John Botti, M.D., maternal & fetal medicine, Hershey
Marianne Hillemeier, Ph.D., health policy & administration, University Park
Danielle Symons Downs, Ph.D., kinesiology, University Park
Mark Feinberg, Ph.D., prevention research center, University Park

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