



CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE

UMCCTS Pilot Project Program Awardees

2022 Summer PPP		
UMass PI and Collaborator (s)		
Prabhani Atukorale PhD	Assistant Professor Dept. of Biomedical Engineering, UMass Amherst	Developing a Targeted mRNA-Encapsulated Lipid Nanoparticle for Restoring Ciliogenesis & Treatment of Polycystic Kidney Disease
Sumeda Nandadasa PhD	Assistant Professor Dept. of Pediatrics, UMass Chan Medical School	
Alok Kapoor MD	Associate Professor Dept. of Medicine, UMass Chan Medical School	Storytelling to Reduce Gap in Anticoagulation Use in African Americans with Atrial Fibrillation
Jeroan Allison, MD, MS	Chair and Professor Dept. of Population & Quantitative Health Sciences	
Milagros Rosal PhD	Professor and Vice Provost Department of Population and Quantitative Health Sciences, UMass Chan Medical School	
Geoffrey Barnes MD	Associate Professor University of Michigan	
Shyam Patel, MD, PhD	Assistant Professor Department of Medicine, UMass Chan Medical School	Clinical Translation of an Innovative Leukemia Stem Cell Assay for Detection, Prognostication, and Precision Management of Blood Cancers
Jonathan Gerber, MD	Professor and Chief of Hematology/Oncology Department of Medicine, UMass Chan Medical School	
Bruce Woda, MD	Professor and Chief of Hematopathology Department of Pathology, UMass Chan Medical School	
Apurv Soni MD, PhD	Assistant Professor Department of Medicine, UMass Chan Medical School	Healthy at Home: Feasibility Trial of Home-Based Management of Patients with COPD Using Digital Technology
Laurel O'Connor, MD	Assistant Professor Department of Emergency Medicine, UMass Chan Medical School	
John P Broach MD, MPH, MBA, FACEP	Associate Professor Department of Emergency Medicine, UMass Chan Medical School	

Lawrence Stern, PhD	Professor Department of Pathology, Department of Biochemistry and Molecular Biotechnology, UMass Chan Medical School	Cross-Reactive T Cell Epitopes for Development of Pan-Coronavirus Subunit Vaccines
Mary Dawn Co, MD	Assistant Professor Department of Medicine, UMass Chan Medical School	
J. Mauricio Calvo-Calle PhD	Instructor Department of Pathology, UMass Chan Medical School	
2022 Winter PPP		
UMass PI and Collaborator (s)		
Yu Chen PhD	Associate Professor Department of Biomedical Engineering, UMass Amherst Adjunct Associate Professor Department of Radiology UMass Chan Medical School	Automatic Wild-field Optical Imaging for Transplant Organ Viability Assessment
Babak Movahedi MD, PhD	Assistant Professor Dept. of Surgery UMass Chan Medical School	
Haichong Zhang PhD	Assistant Professor Dept. of Biomedical Engineering Worcester Polytechnic Institute (WPI)	
Katherine A Fitzgerald PhD	Professor Dept. of Medicine UMass Chan Medical School	STING Agonism for the Treatment of COVID-19
Fiachra Emanuel Humphries PhD	Instructor Dept. of Medicine UMass Chan Medical School	
Joel Richter PhD	Professor Program in Molecular Medicine UMass Chan Medical School	Correction of Defective Splicing in Fragile X Syndrome with Therapeutic Potential
David M Harlan MD	William and Doris Krupp Chair in Diabetes Professor of Medicine Division of Diabetes Diabetes Center of Excellence UMass Chan Medical School	Isolated Single Islet Studies to Define the Factors Underlying the Heterogeneity of Islet and Peri-Islet Lymphocytic Infiltration in Human Type 1 Diabetes
Yihao Zheng PhD	Assistant Professor, Mechanical Engineering Worcester Polytechnic Institute (WPI)	
Sally C Kent PhD	Professor of Medicine, Diabetes Division Diabetes Center of Excellence UMass Chan Medical School	
Sambra Redick PhD	Senior Research Scientist Program in Molecular Medicine Diabetes Center of Excellence	

	UMass Chan Medical School	
Tianxiao Huan PhD	Assistant Professor Ophthalmology and Visual Sciences UMass Chan Medical School	Dissecting Optical Coherence Tomography Features to Predict Risk of Future Advanced Age-related Macular Degeneration
Johanna M. Seddon MD, ScM	Professor Department of Ophthalmology and Visual Sciences UMass Chan Medical School	
Yu Chen PhD	Associate Professor Department of Biomedical Engineering, UMass Amherst Adjunct Associate Professor Department of Radiology UMass Chan Medical School	
Anna Luisa Kuhn MD, PhD	Assistant Professor Radiology UMass Chan Medical School	A Deep Learning-Based Real-Time Vascular Anatomy Assessment Tool for Emergency Stroke Interventions
Mohammed Salman Shazeeb PhD	Assistant Professor Department of Radiology UMass Chan Medical School	
Clifford Grant Lindsay PhD	Assistant Professor Department of Radiology UMass Chan Medical School	
Adam Lammert PhD	Assistant Professor Biomedical Engineering Worcester Polytechnic Institute (WPI)	Tinnitus Characterization Using Reverse Correlation with Applications to Retraining Therapies
Divya Chari MD	Assistant Professor Otolaryngology Head & Neck Surgery UMass Chan Medical School	
2021 PPP		
UMass PI and Collaborator (s)		
Claudio Punzo, PhD	Associate Professor, Ophthalmology and Visual Sciences	Testing siRNA Therapeutics for the Treatment of Age-Related Macular Degeneration
Mostafa Elfawal, PhD	Instructor, Program in Molecular Medicine	Screening and Optimization of Luotonin Based Leads for Anti-Fungal and Anti-Helminths
Reeta Rao, PhD	Associate Dean of Grad. Studies, WPI	
Sivappa Rasapalli, PhD	Associate Professor, Chemistry Department, UMass Dartmouth	
Mehdi Rashighi Firoozabadi, MD	Assistant Professor, Dermatology	Roles of Cutaneous T Peripheral Helper Cells in Photosensitivity of Dermatomyositis
Jillian Richmond, PhD	Assistant Professor, Dermatology	
Megan Orzalli, PhD	Assistant Professor, Medicine	

Jillian Richmond, PhD	Assistant Professor, Dermatology	Examining Factors Governing T Lymphocyte Migration to the Skin During Cutaneous Lupus Erythematosus
Mehdi Rashighi Firoozabadi, MD	Assistant Professor, Dermatology	
Kimberly A Fisher, MD	Associate Professor, Medicine	Understanding Barriers to COVID-19 Vaccine Equity
Kathleen M. Mazor, EdD	Professor of Medicine	
Sybil Crawford, PhD	Professor of Biostatistics, School of Nursing	
2018 PPP		
UMass PI and Collaborator(s)		
Gang Han, PhD	Associate Professor, Biochemistry and Molecular Pharmacology	Nanoparticle-Instructed Cell Therapy
Yubin Zhou, PhD	Associate Professor, Institute of Biosciences and Technology, Texas A&M University	
Jomol Mathew, PhD	Chief Research Information Officer, UMMS	Pilot testing a wearable device to improve care and outcomes among mother-neonate dyad exposed to opioids during pregnancy
Apurv Soni	MD/PhD Student	
Nisha Fahey	Resident Physician, Pediatrics	
Jeroan Allison, MD	Professor, PQHS	
Lawrence Rhein, MD	Professor, Pediatrics	
Tiffany Moore Simas, MD	Associate Professor, OBGYN	
Nancy Byatt, DO MBA	Associate Professor, Psychiatry	
2017 PPP		
UMass PI and Collaborator(s)		
Melissa Anderson, PhD	Assistant Professor, Psychiatry	Creating the capacity to screen deaf women for perinatal depression
Kelly Wolf Craig, PhD	Clinical Psychologist, UMMS	
Kathleen Biebel, PhD	Associate Professor, Psychiatry	
Benjamin Chen MD, PhD	Assistant Professor, Pathology	Investigating the influence of the tumor immune microenvironment of human malignancies on tumor immunotherapy by utilizing humanized mouse models and patient-derived xenografts.
Michael Brehm, PhD	Associate Professor, Molecular Medicine	

Giles Whalen, MD	Professor, Surgery	
Dale Greiner, PhD	Professor, Molecular Medicine	
Sarah Goff, MD	Associate Professor, Internal Medicine and Pediatrics, UMMS-Baystate	Increasing postpartum depression screening and referral in primary care pediatric practices
Nancy Byatt, DO, MBA	Associate Professor, Psychiatry	
Tina Fioroni, MEd	Behavioral Health Network, Inc.	
Annamarie Golden, MS	Perinatal Support Coalition of Hampden County	
Kathleen Szegda, PhD, MPH	Partners for a Healthier Community	
John Haran, MD	Assistant Professor, Emergency Medicine	Intestinal microbiome modeling to predict <i>Clostridium difficile</i> colonization in elderly hospitalized patients
Vanni Bucci, PhD	Assistant Professor, Biology, UMass Dartmouth	
Katherine Luzuriaga, MD	Professor, Molecular Medicine	An oral, bivalent Epstein-Barr virus vaccine with computationally determined viral glycoprotein epitopes
Gary Ostroff, PhD	Professor, Molecular Medicine	
Eva Szomolanyi-Tsuda, MD	Associate Professor, Pathology	
Rene Maehr, PhD	Assistant Professor, Molecular Medicine	Combining pluripotent stem cells and organ engineering to develop thymic organoids for treatment and investigation of immune syndromes
Shelly Peyton, PhD	Associate Professor, Chemical Engineering, UMass Amherst	
Jae-Hyuck Shim, PhD	Associate Professor, Medicine	Development of a novel small molecule inhibitor as a therapeutic agent for spondyloarthritis
Ellen Gravallese, MD	Professor, Medicine	
Zheni Starve, MD	Instructor, Medicine	
2016 PPP Round 2		
UMass PI and Collaborator(s)		
Daryl Bosco, PhD	Associate Professor, Neurology	Novel 'Nanobodies' as a Diagnosis and Therapeutic for ALS
Silvia Corvera, MD	Professor, Molecular Medicine	Leveraging the basic cell biology of human adipose tissue to improve outcomes in wound healing and reconstructive surgery
Janice Lalikos, MD	Professor, Surgery	
Robert Finberg, MD	Professor, Medicine	Breakthroughs in Treating and Preventing Influenza with Single Cell Sequencing
Manuel Garber, PhD	Associate Professor, Molecular Medicine	
Alex Shalek, PhD	Assistant Professor, Chemistry, MIT	

Ellen Gravallese, MD Jae-Hyuck Shim, PhD Ching Tung, PhD	Professor, Medicine Assistant Professor, Medicine Professor, Radiology, Weill Cornell Medicine	Development of an innovative treatment strategy for osteoporosis
2016 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Sharone Green, MD	Associate Professor, Medicine	Innate Immunity Recognition of Chikungunya Virus
Kate Fitzgerald, PhD	Professor, Medicine	
Lawrence Hayward, PhD	Professor, Neurology	A Humanized in vivo Model of Facioscapulohumeral Muscular Dystrophy
Charlie Emerson, PhD	Professor, Neurology	
Wen-Chieh Lin, PhD	Assistant Professor, Family Medicine and Community Health	Identify Community-Living Elders at High Risk of Falling for Targeted and Tailored Interventions
Jeffrey J. Rade, MD	Professor, Department of Medicine	Endothelial-Specific Thromboxane Metabolites as Novel Biomarkers for Cardiovascular Risk
Wen Xue, PhD	Assistant Professor, RNA Therapeutics Institute	CRISPR-Based Precision Medicine for Tyrosinemia
2014 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Lucio H. Castilla, PhD	Associate Professor, Program in Gene Function and Expression	Study the Efficacy of Novel Targeted Therapy Drug for inv16 Acute Myeloid Leukemia in vivo
Nina Deng, Ed.D., MA John E. Ware, Jr., PhD Jeroan Allison, MD, MS Arlene Ash, PhD Hua Fang, PhD	Assistant Professor, Department of Quantitative Health Sciences Professor and Division Chief, Quantitative Health Sciences Professor and Vice Chair, Department of Quantitative Health Sciences Professor and Division Chief, Department of Quantitative Health Sciences Assistant Professor, Department of Quantitative Health Sciences	Statistical Significance and Power Analyses for Relative Validity Comparisons among Patient-Reported Outcome Measurement Tools
Anastasia Khvorova, PhD	Professor, Department of Molecular Medicine, RNA Therapeutics Institute	Development of Novel Class of Therapeutic Oligonucleotides based on Small Molecule Screening
John E. Landers, PhD	Director, Center for ALS Genetics Day Neuromuscular Research Laboratory Associate Professor, Department of Neurology	Evaluation of Candidate ALS Genes by AAV9 Transgene Delivery into Mice

Beth A. McCormick, PhD	Professor, Microbiology and Physiological Systems	Semi-Synthetic Nanobug: Mimicking Bacterial Pathogens to Overcome Multidrug Resistance in Tumors
Gang Han, PhD	Assistant Professor of Biochemistry and Molecular Pharmacology	
Phillip D. Zamore, PhD	Gretchen Stone Cook Professor of Biomedical Sciences	Cell Type-specific Gene Silencing by Tethered microRNAs
Guangping Gao, PhD	Professor, Microbiology & Physiological Systems	
2013 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Jeffrey A. Bailey, MD, PhD	Assistant Professor, Division of Transfusion Medicine, Department of Medicine	Endemic Burkitt Lymphoma Transcriptome and Genome Profiles Associated with Clinical Presentation, Treatment Response, Relapse, and Survival
Ann M. Moormann, PhD, MPH	Associate Professor, Division of Pediatric Immunology & Infectious Diseases, Department of Pediatrics	
Michael R. Green, MD, PhD	Professor, Program in Molecular Medicine; Director, Program in Gene Function and Expression	Reactivation of the Inactive X-Linked <i>MECP2</i> Gene as a Therapeutic Strategy for Rett Syndrome
Sanchita Bhatnagar, PhD	Instructor, Program in Gene Function and Expression	
Andrei A. Korostelev, PhD	Assistant Professor, RNA Therapeutics Institute and Department of Biology & Molecular Pharmacology	Novel Therapeutic Routes against Premature-Termination Diseases
Wenjun Li, PhD	Associate Professor, Division of Preventive and Behavioral Medicine, Department of Medicine	Health Care Reform and Accessibility, Quality and Outcomes of AMI-Related Care
Robert Goldberg, PhD	Professor, Quantitative Health Sciences	
Joel M. Gore, MD	Professor, Division of Cardiovascular Medicine, Department of Medicine	
Joel D. Richter, PhD	Professor, Program in Molecular Medicine	Amelioration of the Fragile X Syndrome by Targeting the Translational Apparatus
Jean A. Frazier, MD	Robert M. and Shirley S. Siff Endowed Chair in Autism; Professor, Departments of Psychiatry and Pediatrics	
Jean A. King, PhD	Professor, Department of Psychiatry;	
Futai Kensuke, PhD	Assistant Professor, Department of Psychiatry, Neuropsychiatric Research Institute	

David M. McManus, MD, ScM, FACC, FHRS	Assistant Professor, Departments of Medicine and Quantitative Health Sciences	Cognitive and Psychosocial Characteristics in Patients Undergoing Treatment for Atrial Fibrillation: Relation to 6-month Clinical Outcomes
Jane S. Saczynski, PhD	Assistant Professor, Departments of Medicine and Quantitative Health Sciences	
Catarina Kiefe, PhD, MD	Professor and Chair, Department of Quantitative Health Sciences; Inaugural Melvin S. and Sandra L. Cutler Chair in Biomedical Research	
Robert Goldberg, PhD	Professor, Departments of Medicine Quantitative Health Sciences	
John F. Keaney, Jr., MD	Chief, Division of Cardiovascular Medicine; Professor, Department of Medicine	
Kevin Floyd, MD	Assistant Professor, Department of Medicine	
Molly E. Waring, PhD	Assistant Professor, Quantitative Health Sciences	Impulsivity and Weight Gain During Pregnancy: The Roles of Excess Energy Intake, Food Reward Sensitivity, and the Food Environment
Tiffany Moore Simas, MD	Associate Professor, Departments of Obstetrics & Gynecology and Pediatrics;	
Sherry L. Pagoto, PhD	Associate Professor, Division of Preventive and Behavioral Medicine, Department of Medicine	
Barbara Olendzki, RD, MPH, LDN	Clinical & Research Nutritionist and Nutrition Program Director, Center for Applied Nutrition; Assistant Professor, Division of Preventive and Behavioral Medicine, Department of Medicine	
2012 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Hua (Julia) Fang, PhD	Assistant Professor, Division of Biostatistics and Health Services, Department of Quantitative Health Sciences (QHS)	A New Tool for Studying Heterogeneity of Treatment Effects in Longitudinal Translational Research
Joseph DiFranza, MD	Professor, Department of Family Medicine & Community Health	
Ann Moormann, PhD	Associate Professor, Pediatric Immunology & Infectious Diseases, Dept. of Pediatrics	
Yunsheng Ma, MD, PhD		

Sun S. Kim, PhD, RN	Associate Professor, Division of Preventive & Behavioral Medicine, Department of Medicine	
Thomas Houston, MD, MPH	Assistant Professor, Department of Psychiatry	
Bruce A. Barton, PhD	Professor, Quantitative Health Sciences	
Jeroan Allison, MD, MSc	Professor, Quantitative Health Sciences	
Arlene S. Ash, PhD	Professor & Vice Chair, Department of Quantitative Health Sciences	
	Professor, Quantitative Health Sciences	
Brian C. Lewis, PhD	Associate Professor, Program in Gene Function and Expression	Combined Inhibition of MEK and IGF1R as an Effective Therapeutic Strategy for Pancreatic Ductal Adenocarcinoma
Venu Bathini, MD	Assistant Professor, Department of Medicine, Division of Hematology and Oncology	
Zuoshang Xu, PhD	Professor, Department of Biochemistry and Molecular Pharmacology	Deliver RNAi for Treatment of Amyotrophic Lateral Sclerosis (ALS) Using AAV
Guangping Gao, PhD	Professor, Microbiology and Physiological Systems	
Robert Brown, Jr., MD, PhD	Professor and Chair, Department of Neurology	
2010 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Kristina Deligiannidis, MD	Assistant Professor of Psychiatry & Obstetrics & Gynecology	A Neuroendocrine and Neurochemical Biosignature in Late Pregnancy and its Association with the Development of Post-Partum Depression in Women
Anthony J. Rothschild, MD	Irving S. & Betty Brudnick Endowed Chair & Professor of Psychiatry	
Peter J. Schmidt, MD	Chief, Section on Behavioral Endocrinology at NIH/NIMH	
Neil Aronin, MD	Chief, Division of Endocrinology & Metabolism; Professor of Medicine; Cell Biology; Physiology	
Scott Shaffer, PhD	Research Professor of Biochemistry & Molecular Pharmacology	
Julia V. Johnson, MD	Professor & Chair of the Department of Obstetrics & Gynecology	

Bruce Barton, PhD	Research Professor of Quantitative Health Sciences	
John E. Harris, MD, PhD	Assistant Professor of Medicine, Division of Dermatology	Testing the Safety of Simvastatin as a New Treatment for Vitiligo
Bruce Barton, PhD	Research Professor of Quantitative Health Sciences	
John E. Landers, PhD	Associate Professor of Neurology, Director, Center for ALS Genetics, Day Neuromuscular Research Laboratory	Identification of Recessive Genes Causative for Parkinson's Disease Using Exome Sequencing
Stefano Goldwurm, PhD	Director of the "Parkinson Institute Biobank" at the Parkinson Institute in Milan, Italy	
Phillip D. Zamore, PhD	Gretchen Stone Cook Professor of Biomedical Sciences, Professor of Biochemistry & Molecular Pharmacology	Understanding the Consequences of Recombinant Adeno-Associated Virus-Mediated, Long-Term Inhibition of Mir-122 and Mir-33 in Mice
Guangping Gao, PhD	Professor, Microbiology and Physiological Systems	
Milagros C. Rosal, PhD	Associate Professor of Medicine, Division of Preventive & Behavioral Medicine	Percent Dietary Saturated Fat Composition in Pregnancy and Postpartum Weight Loss
Tiffany A. Moore Simas, MD, MPH, Med	Assistant Professor, Obstetrics & Gynecology & Pediatrics	
Silvia Corvera, MD	Professor of Molecular Medicine	
Sarwat Hussain, MD	Professor and Vice Chair of Radiology	
Barbara Olendzki, RD, MPH, LDN	Division of Preventive & Behavioral Medicine	
Kristin Schneider, PhD	Assistant Professor of Medicine	A Community-Based Social Networking Intervention to Increase Walking in Dog Owners
Stephenie Lemon, PhD	Associate Professor of Medicine, Director of the Worcester County Prevention Research Center	
Jessica Oleski MA	Project Director	
Deirdra Murphy, DPT	Assistant Professor of Physical Therapy, UMass Lowell	
Cynthia Ferrara, PhD	Associate Professor of Physical Therapy, UMass Lowell	
2009 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s)	Project Title
	Title/Dept.	

David Guertin, PhD	Assistant Professor, Molecular Medicine	The Role of mTOR in Tumor Progression, and Fostering the Development of Novel mTOR Inhibitors for Use in Oncology
Jennifer Tseng, MD, MPH Victor Ambros, PhD Brian Lewis, PhD	Associate Professor, Surgery Professor, Molecular Medicine Associate Professor, Gene Function & Expression	Proteomic and MicroRNA Biomarkers for Malignancy in Cystic Pancreatic Lesions
Leslie Berg, PhD Joonsoo Kang, PhD	Professor, Pathology Associate Professor, Pathology	Inhibition of the Tec Kinase ITK as a Novel Treatment for Human Autoimmune Diseases
Jan Cerny, MD, PhD Shaoguang Li, MD, PhD Alan G. Rosmarin, MD	Assistant Professor, Medicine Associate Professor, Medicine, Hematology/Oncology Associate Professor, Medicine, Hematology/Oncology	Targeting of Stem Cells in Chronic Myeloid Leukemia Patients
Elliot Androphy, MD Stephen Miller, PhD	Professor, Medicine Assistant Professor, Medicine	Development of an E6 Inhibitor Medication

2008 PPP

UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Ellen Gravallese, MD Gary Ostroff, PhD Nicole C. Walsh, PhD Alfonso Mora, DVM	Professor, Medicine & Cell Biology Professor, Molecular Medicine Instructor, Rheumatology/Medicine Instructor, Molecular Medicine	Orally Delivered siRNA Targeting MAP4K4 for the Treatment of Arthritis
Michael Green, PhD, MD Narendra Wajapeyee, PhD	Professor, Molecular Medicine Director, Gene Function & Expression Post Doc Associate, Gene Function & Expression	Role of IGFBP7 and IGFBP7 Pathway Components in the Development, Diagnosis and Treatment of Cancers Involving Oncogenic BRAF
Timothy Kowalik, PhD Laura Gibson, MD Nicholas Renzette, PhD Bornali Bhattacharjee, PhD Jeffrey Jensen, PhD	Associate Professor, Molecular Genetics & Microbiology/Vice Chair, Immunology & Virology Program Assistant Professor, Pediatrics & Medicine, Divisions of Infectious Diseases & Immunology Post Doc Fellow, Molecular Genetics & Microbiology Post Doc Fellow, Molecular Genetics & Microbiology Assistant Professor, Molecular Medicine	CMV-Specific Cellular Immunity and Genomic Variation

Michel Albert, PhD J. Mark Madison, MD	Professor, Radiology Director, MRI Research Medicine & Physiology Professor, Molecular Medicine & Physiology Chief, Pulmonary, Allergy & Critical Care Medicine	New Technique for Understanding/Diagnosis of COPD: Hyperpolarized 3He MR Imaging
Tiffany A. Moore-Simas, MD, MPH Janet Hardy, PhD, MS, MPH Sybil L. Crawford, PhD Sharon Maynard, MD	Assistant Professor, Obstetrics & Gynecology & Pediatrics Instructor, Medicine, Preventive & Behavioral Medicine Associate Professor, Medicine, Preventive & Behavioral Medicine George Washington University	Angiogenic Biomarkers for the Prediction of Preeclampsia
2007 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
Silvia Corvera, MD Richard Perugini, MD Michael Thompson, MD	Professor, Molecular Medicine Assistant Professor, Surgery Assistant Professor, Medicine	Thiazolidione family of insulin sensitizers in humans
Sherry Pagoto, PhD Jamie Bodenlos, PhD Anthony Rothschild, PhD Roger Davis, PhD Yunsheng Ma, PhD	Assistant Professor, Preventive & Behavioral Medicine Post Doc Fellow, Preventive & Behavioral Medicine Professor, Psychiatry Professor, Molecular Medicine Assistant Professor, Preventive & Behavioral Medicine	Effective acute vagus nerve stimulation of eating behavior and appetite regulation
David Paydarfar, MD Elisabeth Block Salisbury, PhD Premananda Indic, PhD Francis J. Bednarek, MD	Professor, Neurology & Physiology Assistant Professor, Neurology & Pediatrics Instructor, Neurology Chief, Neonatology, Professor, Pediatrics/OB/GYN	Pathological disturbances in respiratory rhythm
Richard Perugini, MD Michael P. Czech, PhD	Assistant Professor, Surgery Professor & Chair, Program in Molecular Medicine	Molecular mechanisms of insulin in obese patients
Jie Song, PhD	Assistant Professor, Cell Biology, Orthopedics, & Physical Rehabilitation	New therapeutics strategy for the treatment of osteoporotic bony lesions

David Ayers, MD

Professor & Chair, Orthopedics