



**CENTER FOR CLINICAL AND  
TRANSLATIONAL SCIENCE**

**UMCCTS Pilot Project Program Awardees**

2022 Fall/Winter PPP		
UMass PI and Collaborator (s)		Project Title
<b>Evan Bradley, MD, PhD</b>  <b>John P. Haran, M.D., Ph.D.</b>  <b>Vanni Bucci, Ph.D. Associate</b>	Assistant Professor, UMass Chan, Department of Emergency Medicine  Associate Professor, UMass Chan, Department of Emergency Medicine  Professor, UMass Chan, Department of Microbiology and Physiologic Systems	Defining the Metagenome of the Urinary Microbiome Among Older Adults Residing in Nursing Homes
<b>Lisa A. Lewis PhD</b>  <b>Li Li, PhD</b>  <b>Sanjay Ram, MBBS</b>	Associate Professor, UMass Chan, Department of Medicine, Division of Infectious Diseases and Immunology  Assistant Professor, UMass Chan, RNA Therapeutics Institute  Professor, UMass Chan Department of Medicine, Division of Infectious Diseases and Immunology	mRNA Encoded Monoclonal Antibody for Therapeutic Use against Gonorrhea
<b>Ekaterina Pivovarova, PhD</b>  <b>Bruce Barton, PhD</b>  <b>Peter Friedmann, MD, MPH</b>	Assistant Professor, UMass Chan, Department of Family Medicine and Community Health  Professor, UMass Chan, Department of Population and Quantitative Health Sciences  Associate Dean for Research, UMass Chan-Baystate	Comparative Effectiveness of In-Jail Therapeutic Community Treatment to Extended-Release Naltrexone on Longitudinal Health and Legal Outcomes
<b>Adrian H Zai MD, PhD, MPH</b>  <b>Kimiyoshi Kobayashi MD, MBA</b>  <b>Richard T. Ellison, III, MD</b>  <b>Robert C. Steppacher, Jr., MD</b>	Associate Professor, UMass Chan, Department of Medicine, Division of Population and Quantitative Health Sciences  Associate Professor, UMass Chan, Department of Medicine, Division of Population and Quantitative Health Sciences  Professor, UMass Chan, Department of Medicine, Division of Infectious Diseases And Immunology  Assistant Professor, UMass Chan Department of Medicine, Division of Anesthesiology and Perioperative Medicine	Reducing Infections in Post-Surgical Events (RISE)

<b>Penelope (Penny) Iannelli, LSSMBB, PMP</b>	Chief Transformation Officer, UMass Memorial Health	
<b>Feifan Liu PhD</b>	Assistant Professor, UMass Chan Department of Medicine, Division of Population and Quantitative Health Sciences	
<b>Ugur Celik, MS</b>	PhD Student/Data Scientist, CCTS, RIC, UMass Chan, UMass Lowell	
<b>Yurima Guilarte-Walker, MS (RIC)</b>	Director, Research Informatics Operations, UMass Chan, Department of Medicine, Division of Population and Quantitative Health Sciences	
<b>Steven Wong, MS</b>	Director of Research Informatics Systems, UMass Chan, Department of Medicine, Division of Population and Quantitative Health Sciences	
<b>Sean Blood</b>	Senior Director, BI/Analytics & Data Warehouse Integration, UMass Memorial Health	
<b>2022 Spring PPP</b>		
<b>UMass PI and Collaborator (s)</b>		<b>Project Title</b>
<b>Prabhani Atukorale, PhD</b>	Assistant Professor, Dept. of Biomedical Engineering, UMass Amherst	Developing a Targeted mRNA-Encapsulated Lipid Nanoparticle for Restoring Ciliogenesis & Treatment of Polycystic Kidney Disease
<b>Sumeda Nandadasa, PhD</b>	Assistant Professor Dept. of Pediatrics, UMass Chan Medical School	
<b>Alok Kapoor, MD</b>	Associate Professor Dept. of Medicine, UMass Chan Medical School	Storytelling to Reduce Gap in Anticoagulation Use in African Americans with Atrial Fibrillation
<b>Jeroan Allison, MD, MS</b>	Chair and Professor, Dept. of Population & Quantitative Health Sciences	
<b>Milagros Rosal, PhD</b>	Professor and Vice Provost Department of Population and Quantitative Health Sciences, UMass Chan Medical School	
<b>Geoffrey Barnes, MD</b>	Associate Professor University of Michigan	

<b>Shyam Patel, MD, PhD</b>	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
<b>Jonathan Gerber, MD</b>	Professor and Chief of Hematology/Oncology Department of Medicine, UMass Chan Medical School	
<b>Bruce Woda, MD</b>	Professor and Chief of Hematopathology Department of Pathology, UMass Chan Medical School	
<b>Apurv Soni MD, PhD</b>	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	
<b>Lawrence Stern, PhD</b>	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-Call, PhD	Instructor Department of Pathology, UMass Chan Medical School	
<b>2021 Fall/Winter PPP</b>		
<b>UMass PI and Collaborator (s)</b>		<b>Project Title</b>
<b>Yu Chen PhD</b>	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
<b>Babak Movahedi MD, PhD</b>	Assistant Professor Dept. of Surgery UMass Chan Medical School	
<b>Haichong Zhang PhD</b>	Assistant Professor Dept. of Biomedical Engineering Worcester Polytechnic Institute (WPI)	

<b>Katherine A Fitzgerald, PhD</b>	Professor, Dept. of Medicine, UMass Chan Medical School	STING Agonism for the Treatment of COVID- 19
<b>Fiachra Emanuel Humphries, PhD</b>	Instructor, Dept. of Medicine, UMass Chan Medical School	
<b>Joel Richter, PhD</b>	Professor, Program in Molecular Medicine, UMass Chan Medical School	Correction of Defective Splicing in Fragile X Syndrome with Therapeutic Potential
<b>David M Harlan, MD</b>	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
<b>Yihao Zheng, PhD</b>	Assistant Professor, Mechanical Engineering, Worcester Polytechnic Institute (WPI)	
<b>Sally C Kent, PhD</b>	Professor of Medicine, Diabetes Division Diabetes Center of Excellence UMass Chan Medical School	
<b>Sambra Redick, PhD</b>	Senior Research Scientist Program in Molecular Medicine Diabetes Center of Excellence, UMass Chan Medical School	
<b>Tianxiao Huan, PhD</b>	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
<b>Johanna M. Seddon, MD, ScM</b>	Professor, Department of Ophthalmology and Visual Sciences, UMass Chan Medical School	
<b>Yu Chen, PhD</b>	Associate Professor, Department of Biomedical Engineering, UMass Amherst Adjunct Associate Professor Department of Radiology, UMass Chan Medical School	
<b>Anna Luisa Kuhn MD, PhD</b>	Assistant Professor Radiology UMass Chan Medical School	A Deep Learning-Based Real-Time Vascular Anatomy Assessment Tool for Emergency Stroke Interventions
<b>Mohammed Salman Shazeeb, PhD</b>	Assistant Professor Department of Radiology UMass Chan Medical School	
<b>Clifford Grant Lindsay, PhD</b>	Assistant Professor Department of Radiology UMass Chan Medical School	
<b>Adam Lammert, PhD</b>	Assistant Professor Biomedical Engineering, Worcester Polytechnic Institute (WPI)	Tinnitus Characterization Using Reverse Correlation with Applications to Retraining

<b>Divya Chari, MD</b>	Assistant Professor Otolaryngology, Head & Neck Surgery, UMass Chan Medical School	Therapies
<b>2021 Spring PPP</b>		
<b>UMass PI and Collaborator (s)</b>		<b>Project Title</b>
<b>Claudio Punzo, PhD</b>	Associate Professor, Ophthalmology and Visual Sciences	Testing siRNA Therapeutics for the Treatment of Age-Related Macular Degeneration
<b>Mostafa Elfawal, PhD</b>	Instructor, Program in Molecular Medicine	Screening and Optimization of Luotonin Based Leads for Anti-Fungal and Anti- Helminths
<b>Reeta Rao, PhD</b>	Associate Dean of Grad. Studies, WPI	
<b>Sivappa Rasapalli, PhD</b>	Associate Professor, Chemistry Department, UMass Dartmouth	
<b>Mehdi Rashighi</b>	Assistant Professor, Dermatology	Roles of Cutaneous T Peripheral Helper Cells in Photosensitivity of Dermatomyositis
<b>Firoozabadi, MD</b>		
<b>Jillian Richmond, PhD</b>	Assistant Professor, Dermatology	
<b>Megan Orzalli, PhD</b>	Assistant Professor, Medicine	
<b>Jillian Richmond, PhD</b>	Assistant Professor, Dermatology Assistant	Examining Factors Governing T Lymphocyte Migration to the Skin During Cutaneous Lupus Erythematosus
<b>Mehdi Rashighi</b> <b>Firoozabadi, MD</b>	Professor, Dermatology	
<b>Kimberly A Fisher, MD</b>	Associate Professor, Medicine Professor of	Understanding Barriers to COVID-19 Vaccine Equity
<b>Kathleen M. Mazor, EdD</b>	Medicine	
<b>Sybil Crawford, PhD</b>	Professor of Biostatistics, School of Nursing	
<b>2018 PPP</b>		
<b>UMass PI and Collaborator(s)</b>		<b>Project Title</b>
<b>Gang Han, PhD</b>	Associate Professor, Biochemistry and Molecular Pharmacology	Nanoparticle-Instructed Cell Therapy
<b>Yubin Zhou, PhD</b>	Associate Professor, Institute of Biosciences and Technology, Texas A&M University	

<b>Jomol Mathew, PhD</b>	Chief Research Information Officer, UMMS	Pilot testing a wearable device to improve care and outcomes among mother-neonate dyad exposed to opioids during pregnancy
<b>Apurv Soni</b>	MD/PhD Student	
<b>Nisha Fahey</b>	Resident Physician, Pediatrics Professor, PQHS	
<b>Jeroan Allison, MD</b>	Professor, Pediatrics Associate Professor,	
<b>Lawrence Rhein, MD</b>	OBGYN	
<b>Tiffany Moore Simas, MD</b>	Associate Professor, Psychiatry	
<b>Nancy Byatt, DO MBA</b>		
<b>2017 PPP</b>		
<b>UMass PI and Collaborator(s)</b>		<b>Project Title</b>
<b>Melissa Anderson, PhD</b>	Assistant Professor, Psychiatry Clinical	Creating the capacity to screen deaf women for perinatal depression
<b>Kelly Wolf Craig, PhD</b>	Psychologist, UMMS	
<b>Kathleen Biebel, PhD</b>	Associate Professor, Psychiatry	
<b>Benjamin Chen MD, PhD</b>	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.
<b>Michael Brehm, PhD</b>	Associate Professor, Molecular Medicine	
<b>Giles Whalen, MD</b>	Professor, Surgery	
<b>Dale Greiner, PhD</b>	Professor, Molecular Medicine	
<b>Sarah Goff, MD</b>	Associate Professor, Internal Medicine and Pediatrics, UMMS- Baystate	Increasing postpartum depression screening and referral in primary care pediatric practices
<b>Nancy Byatt, DO, MBA</b>	Associate Professor, Psychiatry Behavioral	
<b>Tina Fioroni, MEd</b>	Health Network, Inc.	
<b>Annamarie Golden, MS</b>	Perinatal Support Coalition of Hampden County	
<b>Kathleen Szegda, PhD, MPH</b>	Partners for a Healthier Community	

<b>John Haran, MD</b> <b>Vanni Bucci, PhD</b>	Assistant Professor, Emergency Medicine Assistant Professor, Biology, UMass Dartmouth	Intestinal microbiome modeling to predict Clostridium difficile colonization in elderly hospitalized patients
<b>Katherine Luzuriaga, MD</b> <b>Gary Ostroff, PhD</b> <b>Eva Szomolanyi-Tsuda, MD</b>	Professor, Molecular Medicine Professor, Molecular Medicine Associate Professor, Pathology	An oral, bivalent Epstein-Barr virus vaccine with computationally determined viral glycoprotein epitopes
<b>Rene Maehr, PhD</b> <b>Shelly Peyton, PhD</b>	Assistant Professor, Molecular Medicine Associate Professor, Chemical Engineering, UMass Amherst	Combining pluripotent stem cells and organ engineering to develop thymic organoids for treatment and investigation of immune syndromes
<b>Jae-Hyuck Shim, PhD</b> <b>Ellen Gravalles, MD</b> <b>Zheni Starve, MD</b>	Associate Professor, Medicine Professor, Medicine Instructor, Medicine	Development of a novel small molecule inhibitor as a therapeutic agent for spondyloarthritis
<b>2016 PPP Round 2</b>		
<b>UMass PI and Collaborator(s)</b>		
<b>Daryl Bosco, PhD</b>	Associate Professor, Neurology	Novel 'Nanobodies' as a Diagnosis and Therapeutic for ALS
<b>Silvia Corvera, MD</b> <b>Janice Lalikos, MD</b>	Professor, Molecular Medicine Professor, Surgery	Leveraging the basic cell biology of human adipose tissue to improve outcomes in wound healing and reconstructive surgery
<b>Robert Finberg, MD</b> <b>Manuel Garber, PhD</b> <b>Alex Shalek, PhD</b>	Professor, Medicine Associate Professor, Molecular Medicine Assistant Professor, Chemistry, MIT	Breakthroughs in Treating and Preventing Influenza with Single Cell Sequencing
<b>Ellen Gravalles, MD</b> 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
<b>2016 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>
<b>Sharone Green, MD</b> <b>Kate Fitzgerald, PhD</b>	Associate Professor, Medicine Professor, Medicine	Innate Immunity Recognition of Chikungunya Virus

<b>Lawrence Hayward, PhD</b>	Professor, Neurology	A Humanized in vivo Model of Facioscapulohumeral Muscular Dystrophy
<b>Charlie Emerson, PhD</b>	Professor, Neurology	
<b>Wen-Chieh Lin, PhD</b>	Assistant Professor, Family Medicine and Community Health	Identify Community-Living Elders at High Risk of Falling for Targeted and Tailored Interventions
<b>Jeffrey J. Rade, MD</b>	Professor, Department of Medicine	Endothelial-Specific Thromboxane Metabolites as Novel Biomarkers for Cardiovascular Risk
<b>Wen Xue, PhD</b>	Assistant Professor, RNA Therapeutics Institute	CRISPR-Based Precision Medicine for Tyrosinemia
<b>2014 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>
<b>Lucio H. Castilla, PhD</b>	Associate Professor, Program in Gene Function and Expression	Study the Efficacy of Novel Targeted Therapy Drug for inv16 Acute Myeloid Leukemia in vivo
<b>Nina Deng, Ed.D., MA</b>  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
<b>Anastasia Khvorova, PhD</b>	Professor, Department of Molecular Medicine, RNA Therapeutics Institute	Development of Novel Class of Therapeutic Oligonucleotides based on Small Molecule Screening
<b>John E. Landers, PhD</b>	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
<b>Beth A. McCormick, PhD</b>  <b>Gang Han, PhD</b>	Professor, Microbiology and Physiological Systems  Assistant Professor of Biochemistry and Molecular Pharmacology	Semi-Synthetic Nanobug: Mimicking Bacterial Pathogens to Overcome Multidrug Resistance in Tumors
<b>Phillip D. Zamore, PhD</b>  Guangping Gao, PhD	Gretchen Stone Cook Professor of Biomedical Sciences  Professor, Microbiology & Physiological Systems	Cell Type-specific Gene Silencing by Tethered microRNAs

2013 PPP		
UMass PI and Collaborator(s)	UMMS Worcester & Other UMass Campus Collaborator(s) Title/Dept.	Project Title
<p><b>Jeffrey A. Bailey, MD, PhD</b></p> <p><b>Ann M. Moormann, PhD, MPH</b></p>	<p>Assistant Professor, Division of Transfusion Medicine, Department of Medicine</p> <p>Associate Professor, Division of Pediatric Immunology &amp; Infectious Diseases, Department of Pediatrics</p>	<p>Endemic Burkitt Lymphoma Transcriptome and Genome Profiles Associated with Clinical Presentation, Treatment Response, Relapse, and Survival</p>
<p><b>Michael R. Green, MD, PhD</b></p> <p>Sanchita Bhatnagar, PhD</p>	<p>Professor, Program in Molecular Medicine; Director, Program in Gene Function and Expression</p> <p>Instructor, Program in Gene Function and Expression</p>	<p>Reactivation of the Inactive X-Linked <i>MECP2 Gene</i> as a Therapeutic Strategy for Rett Syndrome</p>
<p><b>Andrei A. Korostelev, PhD</b></p>	<p>Assistant Professor, RNA Therapeutics Institute and Department of Biology &amp; Molecular Pharmacology</p>	<p>Novel Therapeutic Routes against Premature- Termination Diseases</p>
<p><b>Wenjun Li, PhD</b></p> <p>Robert Goldberg, PhD</p> <p>Joel M. Gore, MD</p>	<p>Associate Professor, Division of Preventive and Behavioral Medicine, Department of Medicine</p> <p>Professor, Quantitative Health Sciences</p> <p>Professor, Division of Cardiovascular Medicine, Department of Medicine</p>	<p>Health Care Reform and Accessibility, Quality and Outcomes of AMI-Related Care</p>
<p><b>Joel D. Richter, PhD</b></p> <p><b>Jean A. Frazier, MD</b></p> <p>Jean A. King, PhD</p> <p>Futai Kensuke, PhD</p>	<p>Professor, Program in Molecular Medicine</p> <p>Robert M. and Shirley S. Siff Endowed Chair in Autism; Professor, Departments of Psychiatry and Pediatrics</p> <p>Professor, Department of Psychiatry;</p> <p>Assistant Professor, Department of Psychiatry, Neuropsychiatric Research Institute</p>	<p>Amelioration of the Fragile X Syndrome by Targeting the Translational Apparatus</p>

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	
<b>2012 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>
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	
<b>Brian C. Lewis, PhD</b>	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	
<b>Zuoshang Xu, PhD</b>	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	
<b>2010 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>
<b>Kristina Deligiannidis, MD</b>	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	
<b>John E. Harris, MD, PhD</b>	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	
<b>John E. Landers, PhD</b>	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	
<b>Phillip D. Zamore, PhD</b>	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	
<b>Milagros C. Rosal, PhD</b>	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	
<b>Kristin Schneider, PhD</b>	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	
<b>2009 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>

<b>David Guertin, PhD</b>	Assistant Professor, Molecular Medicine	The Role of mTOR in Tumor Progression, and Fostering the Development of Novel mTOR Inhibitors for Use in Oncology
<b>Jennifer Tseng, MD, MPH</b> 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
<b>Leslie Berg, PhD</b> Joonsoo Kang, PhD	Professor, Pathology Associate Professor, Pathology	Inhibition of the Tec Kinase ITK as a Novel Treatment for Human Autoimmune Diseases
<b>Jan Cerny, MD, PhD</b> 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
<b>Elliot Androphy, MD</b> Stephen Miller, PhD	Professor, Medicine Assistant Professor, Medicine	Development of an E6 Inhibitor Medication
<b>2008 PPP</b>		
<b>UMass PI and Collaborator(s)</b>	<b>UMMS Worcester &amp; Other UMass Campus Collaborator(s) Title/Dept.</b>	<b>Project Title</b>
<b>Ellen Gravalles, MD</b> 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
<b>Michael Green, PhD, MD</b> 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
<b>Timothy Kowalik, PhD</b> 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

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

David Ayers, MD	Professor & Chair, Orthopedics	
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