Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Marianne Boltz, O.D.	Ophthalmology	Development of a Low Vision Rehabilitation Service	Richard Levine, M.D.	Pediatrics	Clinical 2003–04
Michael Murray, M.D	Psychiatry	Enhancing Clinical Services for Children and Adolescents with Autism Spectrum Disorders	Jeanette Ramer, M.D.	Pediatrics	Clinical 2003–04
James Powell, M.D.	Pediatrics (Hemat/Oncology)	Development of Outreach Clinics for Pediatric Hematology/Oncology	Richard Zaino, M.D.	Pathology	Clinical 2003–04
Paul Brettschneider, M.D.	Psychiatry	Specialty Clinic for Assessment and Treatment of Bipolar Disorder	Richard L. Levine, M.D.	Pediatrics	Clinical 2004–05
Jane Corson, M.D.	Family & Community Medicine	Weight Management Issues in Children: The Overweight Child	Mark D. Widome, M.D.	Pediatrics	Clinical 2004–05
David Richard, M.D.	Family & Community Medicine	Motivational Interviewing: A Tool For Health Behavior Change	David J. Hufford, Ph.D.	Humanities	Clinical 2004–05
Kevin F. Staveley-O'Carroll, M.D., Ph.D.	Surgery	A Multidisciplinary Team Focusing on the Treatment of Upper Gastro-intestinal Malignancies	Thomas W. Gardner, M.D.	Ophthalmology	Clinical 2004–05
Navin Verma, M.D.	Medicine	Chronic Kidney Disease Clinic	Edwards P. Schwenkter, M.D.	Orthopaedics & Rehabilitation	Clinical 2004–05
Shirley A. Albano-Aluquin, MD	Medicine	A multidisciplinary clinic for older patients with rheumatism	Richard Levine, MD	Pediatrics	Clinical 2005–06
David J. Gill, MD	Neurology	Establishing a cognitive disorders clinic	Richard Levine, MD	Pediatrics	Clinical 2007–08
Barbara L. Hoffmann, MD, MBA, CMD, FAAFP	Family & Community Medicine	Business plans for geriatrics	Craig Hillemeier, MD	Pediatrics	Clinical 2007–08
Rogerio Izar Neves, MD, PhD	Surgery	Development of a multidisciplinary program for research and treatment of skin and soft tissue malignancies	Robert Harbaugh, MD	Neurosurgery	Clinical 2007–08
Rollyn Ornstein, MD	Pediatrics	Clinical Outcomes of A Novel, Family-Centered Partial Hospitalization Program for Younger Patients with Eating Disorders	Christopher Hollenbeak, PhD	Surgery/Public Health Sciences	Clinical 2009-10
Brian D. Saunders, MD	Surgery	Development of an interdisciplinary Clinic for genetic testing and counseling of patients with inherited endocrinopathies	Richard Levine, MD	Pediatrics/Adolescent Medicine	Clinical 2009-10
Crystal Zalonis, DO, MS	Medicine (Infectious Diseases)	Implementation of a Preoperative Staphylococcus aureus Screening and Decolonization Protocol in Primary Hip and Knee Arthroplasty Recipients	Charles Davis III, MD	Orthopaedics & Rehabilitation	Clinical 2009-10

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Jonathan Anson, M.D.	Anesthesiology	The Influence of Anesthetic Technique on Post-Operative Pain and Rehabilitation Milestones in Total Hip Arthroplasty	Kevin Black, M.D.	Orthopaedics & Rehabilitation	Clinical 2010-11
Natalya Fish, M.D.	Pediatrics/Rheumatology	Development of a Multidisciplinary Pediatric Chronic Pain Clinic	Vitaly Gordin, M.D.	Anesthesiology	Clinical 2010-11
Barbara A. Gershenson, Ph.D.	Pediatrics (Div. of Adolescent Med. & Eating Disorders)	Psychoeducation in the Treatment of Eating Disorders	Christopher Hollenbeak, Ph.D.	Surgery/Public Health Sciences	Clinical 2010-11
Hassan Hal, M.D.	Radiology	Evaluation of hypervascular focal liver lesions with CT: The IVC enhancement sign	Thomas R. Riley III, M.D.	Medicine (Gastroenterology & Hepatology)	Clinical 2010-11
George Guntur A. Pujalte, M.D.	Family & Community Medicine	Use of Video Exercises via Internet, Email or CD, for Rehabilitation in Sports Medicine Clinic	Scott A. Lynch, M.D.	Orthopaedics & Rehabilitation	Clinical 2010-11
Andrea Rigby, PSY.D.	Surgery/Minimally Invasive Surgery	The Impact of Positive and Negative Affect Eating Behaviors on 2-Year Outcome Following Bariatric Surgery	Ronald Williams, M.D.	Pediatrics/Internal Medicine	Clinical 2010-11
David Antonetti, Ph.D.	Cellular & Molecular Physiology	Current Diabetes Research and Treatment: a course for Graduate Students	Robert Gabbay, M.D.	Medicine (Endocrinology)	Education 2003–04
Joseph Barber, M.D.	Psychiatry	Development Of A Geriatric Psychiatry Lecture Series	Alan Adelman, M.D.	Family & Community Medicine	Education 2003–04
Claire Flaherty-Craig, Ph.D.	Neurology	Problem-Based Learning Across the Life Span: a Mini-Course Spanning Neurodevelopment to Neurodegeneration	Carol Whitfield, Ph.D.	Cellular & Molecular Physiology	Education 2003–04
Zahid Khan, M.D.	Anesthesiology	Transesophageal Echocardiography Manual for Cardiothoracic Fellows	David Fehr, M.D. (William Davidson, M.D. co-advisor)	Anesthesiology Medicine (Cardiology)	Education 2003–04
Johnathan McGinn, M.D.	Surgery	Otolaryngology Resident Board and Inservice Review	Robert Aber, M.D.	Medicine	Education 2003–04
J. Elizabeth Neuman, D.O.	Emergency Medicine	Emergency Medicine Curriculum for 4th Year Medical Students	Catherine Abendroth, M.D.	Pathology	Education 2003–04
Thomas P. Nifong, M.D.	Pathology	An Innovative, Formal Teaching Program in Molecular Pathology	Robert Bonnneau, Ph.D.	Microbiology & Immunology	Education 2003–04

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	**Department**	**Project**	**Mentor**	**Department**	**Type/Year**
Kimberly Scholfield, M.D.	Emergency Medicine	Emergency Medicine Curriculum for 4th Year Medical Students	Deborah Kees Folts, M.D.	Pediatrics	Education 2003–04
Marnie Saunders, Ph.D.	Orthopaedics & Rehabilitation	Bone as a Mechanical Organ: A Practical, Multidisciplinary Approach for Engineers"	Neil Sharkey, Ph.D.	Kinesiology (University Park)	Education 2003–04
Michael Bayerl, M.D.	Pathology	Revision of Hematopathology Training For Residents	Carol F. Whitfield, Ph.D.	Cellular & Molecular Physiology	Education 2004–05
Kathryn Crowell, M.D.	Pediatrics	Designing a Curriculum for Pediatric Residency Continuity Clinic	Catherine S. Abendroth, M.D.	Pathology	Education 2004–05
Tracy Fausnight, M.D.	Pediatrics	A Pre-test/Post test Allergy & Immunology Curriculum Improves Pediatric Residents' Allergy & Immunology Knowledge	Robert Zelis, M.D.	Medicine	Education 2004–05
Jennifer Goldstein, M.D.	Medicine	Systems Based Practice Competency in Residency Education	Michael R. Weitekamp, M.D.	Medicine	Education 2004–05
Anne Kantner, M.D.	Family & Community Medicine	Development of a Curriculum on Advanced Clinical Therapeutics for Third Year Medical Students	Kent E. Vrana, Ph.D.	Pharmacology	Education 2004–05
Tri Le, M.D.	Medicine	A New Gastroenterology Curriculum for Residents & Medical Students	Steven J. Wassner, M.D.	Pediatrics	Education 2004–05
Robert Frank Lundy, Jr., Ph.D.	Neural & Behavioral Sciences	Development of Series of Lectures on Sensory Systems	Richard J. Zaino, M.D.	Pathology	Education 2004–05
Elizabeth Sinz, M.D.	Anesthesiology	Teaching Anesthesiology Residents to Effectively Lead an Anesthesia Team	R. Kevin Grigsby DSW	Vice-Dean for Faculty Affairs	Education 2004–05
Maria Cristina Javier, MD	Pediatrics	A problem-based learning curriculum for neonatology	Carol Whitfield, PhD	Office of Medical Education	Education 2005–06
Kristy Barnes Le, MD	Internal Medicine	Restructure and update of the internal medicine core clerkship	Deborah D. Kees-Folts, MD	Pediatrics	Education 2005–06
Nozizwe Maneli, MB, CHB	Anesthesiology	Curriculum development for residents in obstetric anesthesia	John George, PhD	Family & Community Medicine	Education 2005–06
Sanjay Mehta, MD	Surgery	Development of a web-based teaching tool for medical students and junior house staff in cardiac and thoracic medicine.	William A. Cantore, MD	Ophthalmology	Education 2005–06

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Andreas H. Meier, MD	Pediatric Surgery	Measuring clinical judgment and decision making	Steven A. Melnick, MEd; PhD	Penn State Harrisburg	Education 2005–06
Margaret I. Mikula, MD	Pediatrics	Outpatient curriculum for the medicine/pediatrics residency program	Catherine Abendroth, MD	Pathology	Education 2005–06
Mary Cecelia Davies, MD	Medicine/Internal Med	Restructuring an Internal Medicine Resident Continuity Clinic	Jeffery J. Miller, MD	Dermatology	Education 2006–07
Vivian C. Faircloth, MD	Pediatric Neurology	Development of a cross-level curriculum for pediatric neurology.	Catherine S. Abendroth, MD	Pathology	Education 2006–07
N. Benjamin Fredrick, MD	F&C Medicine	Restruction and update of the family medicine acting internship curriculum.	Philip A. Masters, MD	Internal Medicine	Education 2006–07
Jennifer Hubbell, MD	Pediatrics	Community advocacy program for pediatric residents	Noel H. Ballentine, MD	Internal Medicine	Education 2006–07
Beth Ann Magnifico, DO	Medicine/Int Med	Palliative medicine core curriculum.	James O. Ballard, MD	Medicine; Pathology; and Humanities	Education 2006–07
Charles A. Nichter, MD	Pediatrics	Pediatric movement disorder video compendium and its educational impact.	Bosseau Murray, MD	Anesthesiology	Education 2006–07
Leonora K. Petty, MD	Psychiatry	Development of a curriculum for the "development of psychopathology" for child and adolescent psychiatry residents.	Carol F. Whitfield, PhD	Cellular & Molecular Physiology	Education 2006–07
S. Devi Rampertab, MD	Medicine/GI	Curriculum for IBD/Nutrition rotation in the Gastroenterology fellowship.	Debbi Kees Folts, MD	Pediatrics	Education 2006–07
Jenice Robinson, MD	Neurology	Neurophysiology curriculum for residency training.	Richard J. Zaino, MD	Pathology	Education 2006–07
Eric A. Walker, MD	Radiology	Develop a curriculum for the musculoskeletal radiology fellowship at HMC.	Ned Schwentker, MD	Orthopaedics & Rehabilitation	Education 2006–07
Michael J. Beck, MD	Pediatrics and Internal Medicine	Outcome-based pediatric inpatient curriculum	Catherine Abendroth, M.D.	Pathology	Education 2007–08
Elizabeth L. Carney, DVM	Comparative Medicine	Development of web-based training program for the animal resource program	Larry Ragan, PhD	World Campus, UP	Education 2007–08
Joseph Brian Clark, MD	Surgery and Pediatrics	Development of a series of lectures on the repair of congenital heart defects	Richard Zaino, MD	Pathology	Education 2007–08
Dan A. Galvan, MD	Surgery	Critical care medicine for medical students	Elizabeth Sinz MD	Anesthesiology	Education 2007–08

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Shanin R. Gross, DO	Family & Community Medicine	Diversity in healthcare curriculum development	Carol Whitfield, PhD	Office of Medical Education	Education 2007–08
Michael A. Hulse, DO	Radiology	Curriculum on pediatric cardiovascular imaging for students and residents	Bosseau Murray, MD	Anesthesiology	Education 2007–08
Peter A. Millward, MD	Pathology	Transfusion medicine, an interactive, educational computer program	Shou Ling Leong, MD	Family & Community Medicine	Education 2007–08
P. Nelson Le, MD	Pediatric/ Cardiology	Professionalism: A curriculum for achieving a core competency	Edward Bollard, MD	Medicine	Education 2008–09
Jaimey Maureen Pauli, MD	Obstetrics/Gynecology	Development of a curriculum in simulation for obstetrics and gynecology residents and medical students	Elizabeth Sinz, MD	Anesthesiology	Education 2008–09
Wilson Po, MD	Anesthesiology	Teach and promote CSE to improve patient satisfaction in labor analgesia	Ronald Domen, MD	Pathology	Education 2008–09
John D. Potochny, MD	Surgery/ Plastic Surgery	Development and implementation of microsurgical simulation training course	Bosseau Murray, MD	Anesthesiology	Education 2008–09
Colleen Rafferty, MD, M.P.H.	Medicine/Internal Medicine	Designing an Evidence-Based Internal Medicine Residency Teaching Curriculum for Hospitalists	Catherine Abendroth, MD	Pathology	Education 2008–09
Francis P. Ruggiero, MD	Surgery/ Otolaryngology	The impact of cadaver dissection on learning surgical procedures	Lawrence Kass, MD	Emergency Medicine	Education 2008–09
Daniel J. Schlegel, MD	F&C Medicine	Evaluating the Physician Practice Plan at Hershey Medical Center	Craig Hillemeier, MD	Pediatrics	Education 2008–09
Jane Schubart, PhD	Surgery	Planning a medical residency curriculum for cancer survivorship	Robert Cherry, MD	Emergency Medicine	Education 2008–09
Matthew Silvis, MD	F&C Medicine	Development and implementation of a medical student primary care sports medicine rotation	William Cantore, MD	Ophthalmology	Education 2008–09
Jodi Brady-Olympia, MD	Pediatrics	Development of a Alcohol and Substance Abuse Curriculum for Pediatric Residents	Catherine Abrendroth, MD	Pathology	Education 2009-10
Ping Du, MD, PhD	Medicine & Public Health Sciences	Development of an “Infectious Disease Epidemiology “Course for Graduate Students	Michael Verderame, PhD	Graduate Studies/Medicine	Education 2009-10
Todd M. Felix, MD	Family & Community Medicine	Coffee Talks, A Novel Approach to Evidence Based Education	Phillip Masters, MD	Medicine	Education 2009-10

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Stacy L. Hess, MD	Medicine (Internal Medicine)	Improving Congestive Heart Failure Patient Care through Performance Improvement Continuing Medical Education	Robert Cherry, MD	Surgery	Education 2009-10
Sarah Iriana, MD	Family & Community Medicine	Development of a curriculum for the Global Health Scholars fourth year elective	Edward Taylor, EdD	Behavioral Sciences & Education, Hrsbrg	Education 2009-10
Martha P. Levine, MD	Pediatrics	The Letter Connection (Initially Described as The Art of Healing)	Paul Haidet, MD, MPH	Medical Ed Research/Internal Medicine	Education 2009-10
Fauzia Mahr, MD	Psychiatry/Pediatrics	Child and Adolescent psychiatry consultation liaison curriculum development	Milind Kothari, DO	Neurology	Education 2009-10
Stacy Stark, DO	Neurology & Pediatrics	Physical Medicine and Rehabilitation Education	Debbie Kees-Folts, MD	Pediatrics	Education 2009-10
Nicole A. Swallow, MD	Medicine (Internal Medicine)	Design and Implementation of a Residents as Teachers Curriculum	Ronald Domen, MD	Graduate Medical Education/Pathology	Education 2009-10
Carolina Candotti, M.D.	Medicine/Internal Medicine	Hand-Carried Ultrasound Echocardiography Survey	Barbara Sims, Ph.D.	Criminal Justice, PSU-HG	Education 2010-11
Kristen M. Glass, M.D.	Pediatrics/Newborn Medicine	A Simulation Curriculum for Neonatal Critical Care	Elizabeth Sinz, M.D.	Anesthesiology	Education 2010-11
Nancy S. Graves, M.D.	Family & Community Medicine	Is Obese the New Overweight? Self perception of and satisfaction with body size among teens in Palmyra, PA	Richard Levine, M.D.	Pediatrics	Education 2010-11
Michelle Denise Lazarus, Ph.D.	Neural & Behavioral Sciences	Targeted Needs Assessment for an Advanced Anatomy Course	Gordon Kauffman, M.D.	Surgery	Education 2010-11
Tamara Oser, M.D.	Family & Community Medicine	Implementing A Student Mentoring Program in Family Medicine	Diane Thiboutot, M.D	Dermatology	Education 2010-11
Brandon M. Smith, M.D.	Pediatrics	Principles of Antibiotic Selection: A Compuer-Based Curriculum for Pediatric Residents	Eileen Moser, M.D.	Medicine	Education 2010-11
Tiffany Whitcomb, DVM	Comparative Medicine	Benefits of Hands-on Training in the Field of Laboratory Animal Medicine	Edward Taylor, Ed.D.	Behavioral Sciences & Education – PSHRG	Education 2010-11
Susan Hafenstein, Ph.D.	Medicine/Infectious Diseases	Acquisition of a cryo-Electron Microscope	Robert A. Gabbay, M.D., Ph.D.	Medicine	Research 2010-11

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Robert A. Gallo, MD	Orthopedics & Rehabilitation	Evaluation of several techniques used for femoral fixation of soft tissue grafts during reconstruction of the posterolateral corner of the knee in normal and osteoporotic bone	Neil Sharkey, PhD	Research & Graduate Education, UP	Research 2009-10
Ganesan Ramesh, PhD	Medicine (Nephrology)	Screening and validation of Netrin-1 as early diagnostic biomarker of cancer	John Richie Jr., PhD	Public Health Sciences/Pharmacology	Research 2009-10
Marc Schaefer, MD	Pediatrics (Gastroenterology)	Post-Operative Recurrence of Crohn's Disease in Pediatrics	Vernon Chinchilli, PhD	Public Health Sciences	Research 2009-10
Thomas Verbeek, MD	Anesthesiology	Anesthesiology In-Training Examination Scores: a Correlation with USMLE Step 1 and 2 Results	Kevin Black, MD	Orthopaedics & Rehabilitation	Research 2009-10
T. Thomas Zacharia MD	Radiology	Dynamic susceptibility contrast (T2*) MR perfusion, diffusion weighted imaging and MR spectroscopy in the differentiation of pseudoprogression from true progression in patients with high-grade gliomas who are treated with temodar chemotherapy and radiotherapy	Henry Wagner Jr., MD	Radiation Oncology	Research 2009-10
Alistair Barber, Ph.D.	Ophthalmology	Grant Proposal for a Project on Degeneration of Retinal Neuron Connectivity in Diabetes	Cara Lynn Schengrund, Ph.D.	Biochemistry & Molecular Biology	Research 2003–04
Xiangming Gao, Ph.D.	Medicine (Nephrology)	Genomic Medicine: Acute Renal Failure in Animal Models	W. Brian Reeves, M.D.	Medicine (Nephrology)	Research 2003–04
Suzi Levens, M.D.	Health Evaluation Sciences and Psychiatry	Development and Initiation of a Research Project: Benzodiazepine Use in Older Patients	Thomas Uhde, M.D.	Psychiatry	Research 2003–04
Tao Lu Lowe, Ph.D.	Surgery	Drug Delivery, Gene Therapy and Tissue Engineering - Integration of Basic, Applied and Life Sciences	Alan Snyder, Ph.D.	Surgery	Research 2003–04
Ming Pan, M.D., Ph.D.	Surgery	Grant Application: Regulation of Intestinal Glutamine Transport in Catabolic States	Thomas Vary, Ph.D.	Cellular & Molecular Physiology	Research 2003–04
Ian Paul, M.D.	Pediatrics	Dose-Response Effect of Dextromethorphan in Coughing Children	Cheston Berlin, M.D.	Pediatrics	Research 2003–04
Blaise Z. Peterson, Ph.D.	Cellular & Molecular Physiology	NIH Grant Application on Malaria Research	Richard Courtney, Ph.D.	Microbiology & Immunology	Research 2003–04

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	**Department**	**Project**	**Mentor**	**Department**	**Type/Year**
Maricarmen Planas-Silva, Ph.D.	Pharmacology	Grant Application: Age-Related Changes in the Mammary Gland and Cancer	James Hammond, M.D.	Medicine (Endocrinology)	Research 2003–04
Gavin Robertson, Ph.D.	Pharmacology	Completion of a R01 Grant Application that is funded	Thomas Loughran, M.D.	Medicine (Hematology/Oncology)	Research 2003–04
J. C. Trussell, M.D.	Surgery	The Incidence and Treatment of Insulin Resistance among Men with Erectile Dysfunction	Richard Legro, M.D.	Obstetrics & Gynecology	Research 2003–04
Jun You, Ph.D.	Orthopaedics & Rehabilitation	Roles of P2Y Purinergic Receptors in Bone Cell Mechanotransduction	Henry Donahue, Ph.D.	Orthopaedics & Rehabilitation	Research 2003–04
Conrad M. Zapanta, Ph.D.	Surgery	Effects of Cardiac Arhythmias on Prosthetic Heart Valve Function	Gerald Naccarelli, M.D.	Medicine (Cardiology)	Research 2003–04
April Armstrong, M.D.	Orthopaedics & Rehabilitation	Failure Mechanisms of a Posterior Glenoid Component in Total Shoulder Arthroplasty	Neil A. Sharkey, Ph.D.	Kinesiology, UP	Research 2004–05
Nell Blake, D.P.M.	Orthopaedics & Rehabilitation	Comparison of Hydrogel Dressings in Diabetic Wound Healing - A Clinical Study	Gordon L. Kauffman, Jr., M.D.	Surgery	Research 2004–05
Laura Carrel, Ph.D.	Biochemistry & Molecular Biology	R01 Application: Regulation of genes on the human inactive X chromosome	Ross Hardison, Ph.D.	Biochemistry & Molecular Biology, UP	Research 2004–05
Cynthia Chuang, M.D.	Medicine	Development of K 23 Application: Unintended Pregnancy in Women with Chronic Medical Conditions	Carol S. Weisman, Ph.D.	Health Evaluation Sciences	Research 2004–05
Jiafen Hu, Ph.D.	Cancer Institute	Development of Multivalent Epitope Vaccines Against HTLV-1 Infection Using a Transgenic Rabbit Model System	Mary J. Tevethia, Ph.D.	Microbiology & Immunology	Research 2004–05
Donald Hudak, M.D.	Ophthalmology	Antioxidant Agents in the Treatment of Grave's Ophthalmopathy	Andrea Manni, M.D.	Medicine	Research 2004–05
Ernesto Levy, M.D.	Medicine	Vitamin D Deficiency Enables the Development and Perpetuation of Rheumatoid Arthritis	Robert H. Bonneau, Ph.D.	Microbiology & Immunology	Research 2004–05
Cheng-mao Lin, Ph.D.	Surgery	Glutamine Supplementation in Cancer Therapy	Thomas C. Vary, Ph.D.	Cellular & Molecular Physiology	Research 2004–05

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	**Department**	**Project**	**Mentor**	**Department**	**Type/Year**
Zhenwu Lin, Ph.D.	Cellular & Molecular Physiology	Methylation Profiling in Large Granular Lymphocytic Leukemia	Thomas P. Loughran, M.D.	Cancer Institute	Research 2004–05
Abraham Mathew, M.D.	Medicine	Developing endosurgical research: Trans gastric surgery	Randy S. Haluck, M.D.	Surgery	Research 2004–05
Gail Matters, Ph.D.	Biochemistry & Molecular Biology	Regulation of Metalloprotease Gene Expression by Polyamines	Harriet C. Isom, Ph.D.	Microbiology & Immunology	Research 2004–05
Susan Bell Nyland, Ph.D.	Cancer Institute	Grant Submission: LGL Leukemia Inhibition of HIV-1	John W. Wills, Ph.D.	Microbiology & Immunology	Research 2004–05
Zhengmin Qian, M.D., Ph.D.	Health Evaluation Sciences	Health Effects of Exposure to Pesticides among Infants in Central Pennsylvania	Cheston M. Berlin, M.D.	Pediatrics	Research 2004–05
Muhammad Azim Qureshi, M.D.	Pediatrics	Epidemiological survey of Irritable Bowel Disease	Vernon M. Chinchilli, Ph.D.	Health Evaluation Sciences	Research 2004–05
Srikantha Rao, M.D.	Anesthesiology	Anticoagulation during Cardiopulmonary Bypass	Michael B. Bongiovanni, M.D.	Pathology	Research 2004–05
Kevin Scott, M.D.	Neurology	MRI as a Biomarker in Amyotrophic Lateral Sclerosis	James R. Connor, Ph.D.	Neurosurgery	Research 2004–05
Timothy Shope, M.D.	Surgery	Minimally Invasive Surgery as a Learning Tool	W. Bosseau Murray, M.D.	Anesthesiology	Research 2004–05
Qi Sun, M.D., Ph.D.	Pediatrics	T cell engineering and its application in adoptive immunotherapy against viral disease and malignancy.	Satvir S. Tevethia, Ph.D.	Microbiology & Immunology	Research 2004–05
Robin Taylor Wilson, Ph.D.	Health Evaluation Sciences	Human Vitamin D Receptor Haplotypes: *In Vitro* Function and Risk of Renal Cell Cancer	Phillip Lazarus, Ph.D.	Pharmacology	Research 2004–05
Daniel K. French, MD	Emergency Medicine	Implementing a research mission in the department of emergency medicine	James M. Herman, MD, MSPH	Family & Community Medicine	Research 2005–06
Lawrence H. Jones, MD	Internal Medicine	The use of complementary and alternative medications and therapies in a mennonite population	David Hufford, PhD	Humanities	Research 2005–06
Rena Kass, MD	Surgery	The use of molecular iodine for cyclical breast pain: Phase III multicentered clinical trial	J. Stanley Smith, MD	Surgery	Research 2005–06
Baihan Li, MD, PhD	Anesthesiology	Effects of intraoperative neuromonitoring on intraprocedural management and patient outcome	Robert E. Harbaugh, MD	Neurosurgery	Research 2005–06

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Wenlei Liu, PhD	Health Evaluation Sci	The impact of missing and erroneous genotypes on tagging snp selection	Diane M. Thiboutot, MD	Dermatology	Research 2005–06
Ronald P. Miller, MD	Medicine/ Nephrology	Noninvasive monitoring of the inflammation of diabetic nephropathy	Timothy J. Mosher, MD	Radiology	Research 2005–06
Reza Miraliakbari, MD	Surgery	The physiologic process behind the vacuum assisted closure (VAC®) wound therapy	Thomas C. Vary, PhD	Cellular & Molecular Physiology	Research 2005–06
Thomas J. Perrault, Jr., PhD	Neural & Behavioral Sci	Neural systems of multisensory integration	Kent Vrana, PhD	Pharmacology	Research 2005–06
Ugur Salli, PhD	Pharmacology	Pancreatic beta-cell differentiation of embryonic stem cells	Thomas Gardner, MD	Ophthalmology	Research 2005–06
Ravi Singareddy, MD	Psychiatry	Respiratory abnormalities in nocturnal panic attacks	Urs A. Leuenberger, MD	Medicine	Research 2005–06
Shaobo Zhu, MD	Pathology	Markers for thyroid cancer	Gordon Kauffman, MD	Surgery	Research 2005–06
Sharon E. Banks, DO	Med/Rheumatology	Patient and physician satisfaction with the percutaneous needle muscle biopsy procedure	Carol S. Weisman, PhD	Health Evaluation Sciences/Obstetrics & Gynecology	Research 2006–07
Catherine April Bingham, MD	Pediatric Rheumatology	Analysis and impact of a new outreach program for children with rheumatic disease.	Alan Adelman, MD, MS	Family & Community Medicine	Research 2006–07
Jennifer A. Chambers, MD, MBA, FACP	Medicine/Internal Med	Evaluation of deaths occurring in a tertiary care medical center: the experience at Penn State University Hospital	Christopher S. Hollenbeak, PhD	Surgery	Research 2006–07
Nasrollah Ghahramani, MD	Medicine/Nephrology	The effect of high altitude on the prevalence and progression of chronic kidney disease.	Eugene J. Lengerich, VMD, MS	Health Evaluation Sciences	Research 2006–07
Ronald R. Gomes, Jr., Ph.D	Orthopaedics	Marketing research and the acquisition of funding from non-traditional sources.	Melvin L. Billingsley, PhD	Life Sciences	Research 2006–07
Rosalyn B. Irby, Ph.D	Medicine/Cancer Inst	The pathways through which src enhances metastasis of colorectal cancer.	Richard J. Courtney, PhD	Microbiology and Immunology	Research 2006–07
Sangam G. Kanekar, MD	Radiology	Sleep apnea in pediatric age group.	Thyagarajan Subramanian, MD	Neurology	Research 2006–07

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Eric T. Kimchi, MD	General Surgery	Overcoming tumor-antigen specific tolerance in a murine model of spontaneous hepatocellular cancer.	Robert Bonneau, PhD	Microbiology and Immunology	Research 2006–07
David Liu, PhD	Neural & Behavioral Sciences	ATF5 function in survival and death regulation of brain tumor cells	Kent E. Vrana, PhD	Pharmacology	Research 2006–07
Jeffrey Philip Lorberbaum, MD	Psychiatry	Functional neuroanatomy of human maternal and paternal behavior.	Thomas Uhde, MD	Psychiatry	Research 2006–07
Nabeel Sarwani, MD	Radiology	Response of liver tumor neoangiogensis following therapeutic intervention using dynamic contrast enhanced MRI.	J. Stanley Smith, MD	Surgery	Research 2006–07
Arun Sharma, PhD	Pharmacology	Development of novel and innovative first-generation chemopreventive/ chemotherapeutic compounds	Tom E. Spratt, PhD	Biochemistry and Molecular Biology	Research 2006–07
Pengxiang She, PhD	C&M Physiology	Roles of leucine in pancreatic b-cell insulin secretion and mTOR signaling.	Ian A. Simpson, PhD	Neural & Behavioral Sciences	Research 2006–07
Rafel Tappouni, MD	Radiology	Quantitative measurement of visceral fat in metabolic syndrome patients using MRI.	Robert A. Gabbay, MD, PhD	Medicine	Research 2006–07
Kala Venkiteswaran, PhD	Neurology	Immunological properties of retinal pigment epithelial cells.	Colin Barnstable, DPhil	Neural and Behavioral Science	Research 2006–07
Arne O. Budde, MD	Anesthesiology	Awake Fastrach insertion and asleep intubation in super-obese patients	Phillip Masters, M.D.	Medicine	Research 2007–08
David M. Giampetro, MD	Anesthesiology	Investigating the phenomenon of opioid induced hyperalgesia (OIH) in the chronic pain patient	J. Stanley Smith, MD	Surgery	Research 2007–08
Christopher G. Johnnides, MD	Surgery (Vascular Sugery)	The incidence, management, and outcome of patients with peripheral vascular disease while on mechanical heart support therapy	Christopher Hollenbeak, MD	Public Health Science	Research 2007–08
Robert Patrick Olympia, MD	Emergency Medicine and Pediatrics	Emergency and disaster preparedness: are families prepared to deal with potential emergencies and disasters?	William Curry, MD	Family & Community Medicine	Research 2007–08
Elimelda Moige Ongeri, PhD	Biochemistry & Molecular Biology	Grant submission: Identification of proteins associated with kidney failure in diabetes using a mouse model of renal failure.	Brian Reeves, MD	Medicine	Research 2007–08
Carl Bart Rountree, MD	Pediatrics	American Cancer Society Research Scholar Grant Application: “Liver Cancer Stem Cells”	Craig Meyers, PhD	Microbiology & Immunology	Research 2007–08

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Soraya M. Samii, MD, PhD	Medicine (Cardiology)	Multidisciplinary approach to the heart failure patient with device therapy.	Timothy Craig, MD	Medicine	Research 2007–08
Lisa Sherwood, MD	Medicine (Int Med)	Physician Gender and Attitudes Towards Obesity Management in Central Pennsylvania	Eugene Lengerich, DVM	Public Health Sciences	Research 2007–08
Tadahiro Uemura, MD, PhD	Surgery	Grant application: liver regeneration in liver transplantation	Harriet Isom, PhD	Microbiology & Immunology	Research 2007–08
Samuel Shao-Min Zhang, MD, PhD	Neural & Behavioral Sciences	Bioinformatics and functional genomic study of epigenetic roles during mouse retina development	Kent Vrana, PhD	Pharmacology	Research 2007–08
Javier E. Banchs, MD	Heart & Vascular Institute	Developing an effective mentorship role in clinical research for cardiology fellows	Eugene Lengerich, DVM	Public Health Sciences	Research 2008–09
Karen S. Bell, MD	Medicine/Internal Medicine	Development and implementation of a survey designed to compare staff attitudes with physician attitudes regarding pharmaceutical policies.	Kevin Grigsby, DSW	Faculty Affairs (Psychiatry)	Research 2008–09
Kerstin Bettermann, MD, PhD	Neurology	Effects of early diabetes on the microvasculature: A link between the eye, brain, and heart?	Thomas Gardner, MD	Ophthalmology	Research 2008–09
Dmitri Bezinover, MD, PhD	Anesthesiology	Correlation between level of preexisting cytokines in liver grafts and hemodynamic stability during liver transplantation	Andrea M. Mastro, PhD	Microbiology & Cell Biology (UP)	Research 2008–09
Priti Dalal, MBBS, DA, MD	Anesthesiology	Assessment of pain in infants during administration of epidural analgesia	Cheston Berlin, MD	Pediatrics	Research 2008–09
Thomas M. Dykes, MD	Radiology	Use of breast shields for reduction of radiation dose to breast tissue in women during chest CT examinations	Gordon Kauffmann, MD	Surgery	Research 2008–09
Christopher R. Herzog, PhD	Pharmacology	Grant submission on the topic of autophagy inhibition in lung cancer treatment	Judith Bond, PhD	Biochemistry & Molecular Biology	Research 2008–09
Timothy Shane Johnson, MD	Surgery	Integrative repair of vital cartilage to subchondral bone with engineered cartilage	Henry J. Donahue, PhD	Orthopedics	Research 2008–09
Akhtar Sultan Khan, MD	Surgery	Cytokine gene polymorphism in relation to natural history of BK viremia and BK nephritis in kidney transplant recipients	Neil Christensen, PhD	Pathology	Research 2008–09
Nazia Raja-Khan, MD	Medicine/ Endocrinology	Development of a NIH grant proposal on cardiovascular and metabolic risks associated with Polycystic Ovary Syndrome	Richard Legro, MD	Obstetrics & Gynecology	Research 2008–09

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Mechelle M. Lewis, PhD	Neurology	The effect of levodopa on neurocircuitry in normal subjects	Gregory Moore, MD, PhD	Psychiatry	Research 2008–09
Mary Lott, PhD, MSN	Heart & Vascular Institute	Vascular reactivity during the menopause transition period	Alistair Barber, PhD	Ophthalmology	Research 2008–09
Jennifer Susan Mcall-Hosenfeld, MD	Medicine/Internal Medicine	Development of a K-23 application: the effect of interpersonal violence on women's reproductive health	Carol Weisman, PhD	Public Health Sciences	Research 2008–09
Jianxun Song, PhD	Microbiology & Immunology	Acquiring the knowledge and skills for a successful proposal	Charles Lang, PhD	Cell & Molecular Physiology	Research 2008–09
Jennifer Grando Ting, MD	Heart & Vascular Institute	Correlation of neurohormonal activation and functional capacity as measured by cardiopulmonary exercise testing in adult congenital heart disease patients.	Timothy Mosher, MD	Radiology	Research 2008–09
Serdar H. Ural, MD	Obstetrics & Gynecology	Grant proposal involving a research project for investigation of in utero stem cell transplantation in the animal model	Kent Vrana, PhD	Pharmacology	Research 2008–09
Betsy Aumiller, PhD	Public Health Sciences	Increasing Participation in Cancer Research Studies in Central PA: A Pilot	Roxanne Parrott, PhD	Communication Arts & Science, UP	Research 2009-10
Joshua Cysyk, PhD	Surgery	Left Ventricular Assist Pump Speed Optimization Study	John Boehmer, MD	Surgery/Medicine	Research 2009-10
Gisoo Ghaffari, MD	Medicine (Pulmonary)	Effect of Swallowed Beclomethasone on Inflammatory Markets in Adult Patients with Eosinophilic Esophagitis	Ann Ouyang, MD	Medicine	Research 2009-10
Jennifer Lynn Kraschnewski, MD	Medicine (Internal Medicine)	K-23 Award Application	Eugene Lengerich, DVM	Public Health Scienes	Research 2009-10
Milena Pilipovic, MD	Anesthesiology	A comparison of the Shikani optic stylet and Bullard laryngoscope in pediatric airway mannequin	Randy Haluck, MD	General Surgery	Research 2009-10
Michael Schwartz, MD	Pediatrics	Development of a prospective cystic fibrosis patient registry database at Hershey Medical Center	Robert Gabbay, MD	Internal Medicine/Endocrinology	Research 2009-10
Jose A. Stoute, MD	Medicine (Infectious Diseases)	Use of Microwave as Treatment of Malaria	John Wills, PhD	Microbiology & Immunology	Research 2009-10

Junior Faculty Development Program (2003–2011): Participants, Projects & Mentors

Participant	Department	Project	Mentor	Department	Type/Year
Yoshinori Takahashi, PhD	Pharmacology	Mechanisms of Golgi Fission in the Regulations of Autophagy and Tumorigenesis	Karam El-Bayoumy, PhD	Biochemistry & Molecular Biology	Research 2009-10
Li Wang, PhD	Public Health Sciences	Creating and using Highmark-registry linked data to study cancer care	Christopher Sciamanna, MD	Internal Medicine	Research 2009-10
Wenhua Zhou, PhD	Medicine (Hematology/Oncology)	Genetic Variations of Gb3 Synthase and Risk Factors to Shiga Toxin Associated HUS	Cara-Lynne Schengrund, PhD	Biochemistry & Molecular Biology	Research 2009-10
Chandran P. Alexander, M.D.	Pediatrics/Gastroenterology	Factors Related to Infantile Colic	Kristen Kjerulff, Ph.D.	Public Health Sciences	Research 2010-11
Alaa S. Awad, M.D., M.Sc., FASN	Medicine/Nephrology	Role of Arginase in Diabetic Nephropathy	Kent Vrana, Ph.D.	Pharmacology	Research 2010-11
Kirsteen N. Browning, Ph.D.	Neural & Behavioral Sciences	Use of Laser Capture Microdissection to Identify Vagal Neural Populations	Charles H. Lang, Ph.D.,	Cellular & Molecular Physiology	Research 2010-11
Jussuf T. Kaifi, M.D., Ph.D.	Surgery/Surgical Oncology	L1 expression in metastatic colorectal cancer	Wafik S. El-Deiry, M.D., Ph.D.	Medicine (Hematology/Oncology)	Research 2010-11
Teresa T. Kern, Ph.D.	Public Health Sciences	Family Adaption from Childhood Cancer Patient to Survivor in Appalachia	John Kuttesch, M.D.	Pediatrics	Research 2010-11
Sang Y. Lee, Ph.D.	Neurosurgery	H63D HFE polymorphism is a marker for poor prognosis in brain tumor patients	John Richie, Jr., Ph.D.	Public Health Sciences	Research 2010-11
Kurtis E. Moyer, M.D.	Surgery/Plastic Surgery	Modulation of Fibrosis through Mast Cells and Gap Junction Intercellular Communication	Henry Donahue, Ph.D.	Orthopaedics & Rehabilitation	Research 2010-11
Uma R. Parekh, M.B.B.S.	Anesthesiology	Comparison of Changes in Upper Airway Dimensions with Dexmedetomidine and Propofol in Children Undergoing MRI	Timothy Mosher, M.D.	Radiology	Research 2010-11
Chuntao Wu, M.D., Ph.D.	Public Health Sciences	Patterns of Care and Outcome of Acute Myocardial Infarction in Cancer Patients	Lawrence Sinoway, M.D.	Medicine	Research 2010-11
Lichong Xu, Ph.D.	Surgery	Nano-Textured Biomaterial Surface Reduces Bacterial Adhesion and Biofilm Formation	Leslie Parent, M.D.	Medicine	Research 2010-11
Chengwu Yang, M.D., Ph.D.	Public Health Sciences	Validating and Refining Instruments Assessing Cognitive Impairment in Parkinson's Disease	Paul Haidet, M.D.	Medicine	Research 2010-11