

Name	Current Employment	Prior Employment	Doctoral Degrees	Dissertation Title	PhD/ScD Thesis Supervisors	Key Research Fellowships / Staff Researcher Positions	Doctoral Students	Fellows
Lee, Randall	Assist. Prof. of Medicine, University of California, San Francisco		MD, UCLA, 1984; PhD, Pharmacology, UCLA, 1984	Opioid and Neuropeptide Modulation of Seizures in the Mongolian Gerbil				
Lelkes, Peter I.	Calhoun Chair Prof. of Cellular Tissue Engineering, Drexel Univ.	Univ. of Wisconsin, Madison	PhD, Technical Univ., Aachen					
Leong, Kam W.	Prof. of Biomedical Engineering, Johns Hopkins Univ.		PhD, Chemical Engineering, Univ. of Pennsylvania, 1987	Synthesis and Insertion Mechanisms of Graphite Intercalation Compounds		Robert S. Langer, MIT, late 1980s		
Levenston, Marc E.	Assist. Prof. of Mechanical Engineering, Georgia Tech, 1998 to date		PhD, Biomechanical Engineering, Stanford, 1995	Simulation of Functional Adaptation in Trabecular and Cortical Bone	Dennis R. Carter	Alan J. Grodzinsky, Continuum Electromechanics Group, MIT, 1995-98 ?		
L'Heureux, Nicolas	Chief Scientific Officer, Cytograft Tissue Engineering		PhD, Universite Laval, 1996	Construction d'un Vaisseau Sanguin Humain par Ingenierie Tissulaire: une Nouvelle Approche	Francois A. Auger	John A. Frangos, UCSD, late ca. 1998-2000		
Li, Song	Assist. Prof. of Bioengineering, Univ. of California, Berkeley, 2001 to date		PhD, Bioengineering, UCSD, 1997	Shear Stress-Induced Signaling in Vascular Endothelial Cells: Roles of Focal Adhesion Kinase, Small GTPases and Heat Shock Protein 27	Shu Chien			
Liu, Shu Q.	Assoc. Prof. of Biomedical Engineering, Northwestern Univ., 1995 to date		PhD, Bioengineering, UCSD, 1990	Zero-Stress States and Tissue Remodeling of Rat Systemic and Pulmonary Arteries in Hypertension and Diabetes Mellitus (Systemic Arteries)	Y-C. Fung	Bioengineering, UCSD, 1990-92		
Livesey, Stephen A.	Executive VP and Chief Science Officer, LifeCell, 1991 to date		MD, Univ. of Melbourne; PhD, Univ. of Melbourne, 1985	Phosphorylation in the Action of Peptide Hormones				

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Longaker, Michael T.	Prof. of Surgery, Stanford Univ., 2000 to date	New York Univ.	MD, Harvard Medical School, 1984					
Lotz, Jeffrey C.	Assoc. Prof. of Orthopedic Surgery, Univ. of California, San Francisco, 1993 to date		PhD, HST Medical Engineering and Medical Physics, MIT, 1988	Hip Fracture Risk Predictions by X-Ray Computed Tomography	Wilson C. Hayes			
Lu, Helen H.	Assist. Prof. of Biomedical Engineering, Columbia Univ., 2001? to date		PhD, Bioengineering, Univ. of Pennsylvania, 1998	45S5 Bioactive Glass Surface Zeta Potential Variations in Electrolyte Solutions With and Without Fibronectin	Solomon R. Pollack	Cato Laurencin, Drexel, ca. 1998-2001		
Lynn, David M.	Assist. Prof. of Chemical Engineering, Univ. of Wisconsin, Madison, 2002 to date		PhD, Organic Chemistry, California Institute of Technology, 1999	Water-Soluble Ruthenium Alkylidene Complexes: Synthesis and Application to Olefin Metathesis in Protic Solvents	Robert H. Grubbs	Robert S. Langer, MIT, 1999-2002		
Lysaght, Michael J.	Professor (Research), Biomedical Engineering, Brown Univ., 1995 to date	Amicon, 1966-79; Baxter Int'l. 1984-89; CytoTherapeutics 1989-94	PhD, Biomedical Engineering, Univ. of New South Wales					
Ma, Peter X.	Assoc. Prof. of Biologic and Materials Sciences, Univ. of Michigan School of Dentistry, 1996 to date		PhD, Materials Science and Engineering, Rutgers Univ., 1993	Structure and Deformation Behavior of Amorphous Ionomers, their Blends and Plasticized Systems		Robert S. Langer, MIT, 1993-96		
Macdonald, Jeffrey M.	Research Assist. Prof. of Biomedical Engineering, Univ. of North Carolina		PhD, Pharmaceutical Chemistry, Univ. of California, San Francisco, 1995	Toxicological Applications of Cell and Animal Models for in Vivo Nuclear Magnetic Resonance				

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Mallapragada, Surya K.	Assoc. Prof. of Chemical Engineering, Iowa State Univ.		PhD, Chemical Engineering, Purdue Univ., 1996	Molecular Analysis and Experimental Investigation of Semicrystalline Polymers"	Nicholas A. Peppas	Visiting researcher w/Antonios Mikos, Rice Univ., May 1996; visiting researcher w/Robert Langer, MIT, Summer 1996		
Mann, Brenda K.	Assist. Prof., Keck Graduate Institute of Applied Life Science, 2001 to date		PhD, Chemical Engineering, Rice University, 1997	In Vivo Phosphorus-31 and Carbon-13 Nuclear Magnetic Resonance Spectroscopy to Study Cellular Metabolism	Jacqueline V. Shanks	Jennifer L. West, Rice Univ., 1998-2001		
Marra, Kacey G.	Assist. Prof. of Surgery, Univ. of Pittsburgh, 2002 to date	Carnegie Mellon Univ., 1998-2002	PhD, Organic Chemistry, University of Pittsburgh, 1996	Synthesis, Characterization, and Applications of Novel, Low-Surface Energy Poly(amide urethanes)		Elliott L. Chaikof, Emory Univ., 1996-97		
Matthew, Howard	Assoc. Prof. of Chemical Engineering and Materials Science, Wayne State U.		PhD, Chemical Engineering, Wayne State U., 1992	Perfused Microencapsulated Hepatocytes: Evaluation of Potential for Extracorporeal Liver Support		Martin Yarmush and Ronald Tompkins, HMS / Mass. General Hospital, 1990-92		
McAllister, Todd N.	President and CEO, Cytograft Tissue Engineering		PhD, Bioengineering, Univ. of California, San Diego, 2000	Fluid Flow-Induced Signal Transduction in Bone Cells	John A. Frangos			
McCulloch, Andrew D.	Prof. of Bioengineering, UCSD, 1990s? to date		PhD, Theoretical and Applied Mechanics, University of Auckland, 1986	Deformation and Stress in the Passive Heart				
McFetridge, Peter S.	Research Assist. Prof., Dept. of Chemical Engineering and Materials Science, Univ. of Oklahoma, 2002 to date		PhD, Univ. of Bath (UK), 2002	The Use of Porcine Carotid Arteries as a Matrix Material for Tissue Engineered Small Diameter Vascular Grafts				

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McIntire, Larry V.	Prof. of Bioengineering, Rice Univ.		PhD, Princeton Univ., 1970	Hydrodynamic Stability of Selected Non-Newtonian Fluids in Two Simple Flows			Jeffrey A. Hubbell (1986); John A. Frangos (1987); Timothy M. Wick (1988); B. Rita Alevriadou (1992); Charles W. Patrick (1994); Julia M. Ross (1995)	
Messersmith, Phillip B.	Assist. Prof. of Biomedical Engineering, Northwestern Univ., 1998 to date	Univ. of Illinois at Chicago, 1994-97; Dental School, Northwestern Univ., 1997-98	PhD, Materials Science and Engineering, Univ. of Illinois at Urbana-Champaign, 1993	Synthesis and Characterization of Novel Polymer-Ceramic Nanocomposites: Organoceramics	Samuel I. Stupp	Materials science and engineering, Cornell Univ., 1992-94		
Mikos, Antonios G.	Prof. of Bioengineering and Chemical Engineering, Rice Univ., 1992 to date		PhD, Chemical Engineering, Purdue Univ., 1988	Fracture of and Adhesion Between Biological and Synthetic Macromolecular Materials	Nicholas A. Peppas	MIT/HMS 1990-91	Susan Ishaug-Riley (1996); Susan Peter (1998)	Surya K. Mallapragada (May 1996); Julia E. Babensee (1996-99); Aaron S. Goldstein (1997-99); Vassilios I. Sikavitsas (2000-02)
Moghe, Prabhas V.	Assoc. Prof. of Biomedical Engineering, Rutgers Univ., 1995 to date		PhD, Chemical Engineering, Univ. of Minnesota, 1993	Phenomenological and Mechanistic Analyses of Leukocyte Chemotaxis	Robert T. Tranquillo	M. Yarmush, HMS, 1993-95		

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Mooney, David J.	Assoc. Prof. of Chemical Engineering, Prof. of Biologic and Materials Science, Univ. of Michigan, 1994 to date		PhD, Chemical Engineering, MIT, 1992	Control of Hepatocyte Morphology and Function by the Extracellular Matrix	Robert S. Langer		Stelios T. Andreadis (1996)	
Mow, Van C.	Prof. of Biomedical Engineering, Columbia Univ.		PhD, Mechanics, Rensselaer Polytechnic Inst., 1966				Kyriacos Athanasiou? (1989); Gerard Ateshian (1991); Louis J. Soslowsky (1991); Farshid Guilak (1992)	
Naughton, Gail K.	President and CEO of Advanced Tissue Sciences, 1987 to date (?)	NYU Medical Center, 1983-85; CUNY Queensborough Community College, 1985-87	PhD, New York University, 1981	Ultrastructural Localization of the Cellular Site of Extrarenal Erythropoietin Production		NYU Dept. of Dermatology		
Neitzel, G. Paul	Prof. of Mechanical Engineering, Georgia Tech, 1990 to date	Arizona State Univ.	PhD, Johns Hopkins Univ., 1979	Centrifugal Instability of Decelerating Swirl-Flow Within Finite and Infinite Circular Cylinders				
Nerem, Robert M.	Institute Professor, Georgia Tech, 1987 to date	Ohio State Univ., 1964-79; Univ. of Houston, 1979-86	PhD, Aeronautical and Astronautical Engineering, Ohio State Univ., 1964	Shock Layer Radiative Emission During Hypervelocity Re-entry	John D. Lee		Jan P. Stegemann (2002)	
Nicoll, Steven	Assist. Prof. of Bioengineering, Univ. of Pennsylvania		PhD, Bioengineering, Univ. of California, Berkeley and San Francisco, 2000	Induction of Chondrogenic Differentiation in Human Dermal Fibroblasts: Application to Cartilage Tissue Engineering	Rajendra S. Bhatnagar			

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Niklason, Laura	Assist. Prof. of Biomedical Engineering, Anesthesiology, Surgery, Duke Univ., 1998 to date		MD, Univ. of Michigan, 1991; PhD, Biophysics and Theoretical Biology, Univ. of Chicago, 1988	Quantitative and Structural Analysis of Digital Angiographic Images		Robert S. Langer, MIT, 1995-98 (?)		
Odde, David J.	Assoc. Prof. of Biomedical Engineering, Univ. of Minnesota		PhD, Chemical and Biochemical Engineering, Rutgers Univ., 1995	Experimental and Theoretical Investigation of Nerve Growth Mechanisms: Contribution fo Microtubule Dynamics (Cytoskeleton)	Helen M. Buettner			
Orban, Janine M.	Research Scientist, DePuy Orthobiologics Division (Johnson & Johnson), 2002 to date		PhD, Organic Chemistry, University of Pittsburgh, 1998	Synthesis, Characterization, and Applications of Poly(ether) grafted Poly(urethane)s		Elliott L. Chaikof, Emory Univ., 1999-2000; Lee Weiss and David Vorp, Institute for Complex Engineered Systems, PTEI Fellow, 2000-02		
Oudega, Martin	Research Assist. Prof. of Neurological Surgery, Univ. of Miami		PhD, University of Leiden (Netherlands), 1990	Development of the Rat Spinal Cord: Histochemistry of Some Functional and Structural Parameters		Mary Bartlett Bunge, Cell Biology, Anatomy, Neurological Surgery and Neurology, Univ. of Miami		
Palecek, Sean P.	Assist. Prof. of Chemical Engineering, Univ. of Wisconsin, Madison		PhD, Chemical Engineering, MIT, 1998	Regulation of Integrin-Mediated Linkages During Cell Migration	Douglas A. Lauffenburger; A.F. Horwitz			
Palsson, Bernhard O.	Prof. of Bioengineering, UCSD, 1995 to date	Univ. of Michigan, 1984-95	PhD, Chemical Engineering, Univ. of Wisconsin, 1984	Mathematical Modeling of Dynamics and Control in Metabolic Networks			Stelios T. Andreadis (1996)	
Parenteau, Nancy L.	President of Amaranth Bio, 2002 to date	Organogenesis until 2002	PhD, Georgetown Univ. Medical Center, 1985	Antigen Distribution in Pancreatic Cells of the Chick Embryo and Adult Studied with Monoclonal Antibodies				

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Patrick, Charles W.	Assist. Prof. of Plastic Surgery, MD Anderson Cancer Center		PhD, Chemical Engineering, Rice Univ., 1994	Video Microscopy and Digital Image Processing Applied to Tissue Engineering: Intracellular Ion and Cell Adhesion Measurements	Larry V. McIntire	Cox Lab, Rice Univ., 1994-96		
Patzner, John F.	Assist. Prof. of Surgery, Univ. of Pittsburgh, 1986? to date	Gulf Research and Development Co.	PhD, Chemical Engineering, Stanford Univ., 1980	Stability in Spherical Systems: I. Hydrodynamic Stability of Thin, Spherically Concentric Fluid Shells. II. Global Stability of Transient Drop Extraction				
Peppas, Nicholas A.	Prof. of Chemical Engineering, Biomedical Engineering, and Pharmaceutics, Univ. of Texas at Austin, starting 2003	Purdue Univ., 1976 - 2002	ScD, Chemical Engineering, MIT, 1973	Crystalline Radiation-Crosslinked Hydrogels of Poly(vinyl-alcohol) as Potential Biomaterials: a Study of the Properties of Poly(vinyl-alcohol) Hydrogels in Relation to the Conditions of Primary Crosslinking by Irradiation and of Secondary Network Reinforcement by Crystallization	Edward W. Merrill	MIT Arteriosclerosis Center (Robert S. Lees?)	Antonios G. Mikos (1988); Surya K. Mallapragada (1996)	Kristi S. Anseth (1995)
Peter, Susan	Osiris Therapeutics (to date?)		PhD, Chemical Engineering, Rice Univ., 1998	Development of Poly(Propylene Fumarate-co-Ethylene Glycol): An Injectable, Biodegradable Implant for Cardiovascular Applications	Antonios G. Mikos			
Pishko, Michael V.	Assoc. Prof. of Chemical Engineering, Penn State Univ., 2000? to date	Texas A&M Univ., 1997-2000?	PhD, Chemical Engineering, Univ. of Texas at Austin, 1992	Design and Characterization of Glucose Sensors for Subcutaneous Implantation	Adam Heller	Robert S. Langer, MIT, 1995-96		

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Pittenger, Mark F.	VP, Research, Osiris Therapeutics, 1994 to date		PhD, Johns Hopkins Univ. School of Medicine, 1986	Autoregulation of Tubulin Synthesis: a Novel Cytoplasmic Mechanism Regulating Gene Expression				
Pollack, Solomon R.	Prof. of Bioengineering, Univ. of Pennsylvania		PhD, Physics, Univ. of Pennsylvania, 1961	The Specific Heat of Ferrites at Liquid Helium Temperatures			Clark T. Hung (1995); Fred D. Allen (1996); Helen Lu (1998)	
Ranieri, John P.	Vice President, DuPont Bio-Based Materials, 2002 to date	Georgia Tech; Sulzer Biologics, ca. 2001; Aortech International, ca. 2001-2	PhD, Medical Sciences, Section of Artificial Organs, Biomaterials and Cellular Technology, Brown Univ., 1994	Development of Biomaterials that Spatially Control Neuronal Cell Attachment and Differentiation	Patrick Aebischer			
Ratner, Buddy D.	Prof. of Bioengineering and Chemical Engineering, Univ. of Washington		PhD, Polymer Chemistry, Polytechnic Institute of Brooklyn, 1972	The Interaction of Urea with Poly (2-Hydroxyethyl Methacrylate) Hydrogels				
Reddi, A. Hari	Prof. of Orthopedic Research, Univ. of California, Davis, 1997 to date	Univ. of Chicago; Johns Hopkins Univ.	PhD, Endocrinology and Physiology of Reproduction (Delhi?), 1966			H.G. Williams-Ashman, Johns Hopkins Univ.		
Reid, Lola M.	Prof. of Cell and Molecular Physiology, UNC Chapel Hill, 1994 to date	Albert Einstein College of Medicine, 1977-94	PhD, Neuroendocrinology, UNC Chapel Hill, 1974	A Study of the Structure and Inorganic Composition of the Cuticle over the Molt Cycle in the Spiders, Araneus diadematus, Araneus sericatus, Eurypelma anax, and Eurypelma sp., and of the Influence of Ecdysterone on the Cuticular Structure and Inorganic Composition in the Tarantula		G. Sato and J. Holland, UCSD, 1974-77		

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Rommel, Rory P.	Prof. of Medicinal Chemistry, Univ. of Minnesota College of Pharmacy		PhD, Univ. of Washington, 1982	Influence of the Intestinal Microflora on the Disposition and Metabolism of Warfarin and Clonazepam				
Ricordi, Camillo	Prof. of Surgery and Medicine, Chief of Division of Cellular Transplantation, Univ. of Miami School of Medicine, 1994 to date	Univ. of Pittsburgh, 1989-93	MD (Italy)					
Ross, Julia M.	Assoc. Prof. of Chemical and Biomedical Engineering, Univ. of Maryland Baltimore County		PhD, Chemical Engineering, Rice Univ., 1990	Platelet Interactions with Subendothelial Surfaces Under Physiological Shear Conditions: Response to Type VI Collagen and an Endothelial Cell Wound Model	Larry V. McIntire			
Roth, Charles M.	Assist. Prof. of Biomedical Engineering, Rutgers Univ., 2000 to date		PhD, Chemical Engineering, Univ. of Delaware, 1994	Electrostatic and van der Waals Contributions to Protein Adsorption	Abraham M. Lenhoff	M. L. Yarmush, HMS/MGH/Shriners, 1995-97		
Russell, Alan J.	Prof. of Chemical Engineering, Univ. of Pittsburgh, 1989 to date		PhD, Chemistry, Imperial College, 1987	Protein Engineering of the pH Dependence of Subtilisin BPN'		Alexander Klibanov, Chemistry, MIT, 1987-89		
Rutkowski, Greg E.	Assist. Prof. of Chemical Engineering, Univ. of Louisville		PhD, Chemical Engineering, Iowa State Univ., 1999	Design of a Bioartificial Nerve Graft	Carole A. Heath			
Sabelman, Eric E.	Consulting Assoc. Prof. of Functional Restoration, Stanford Univ. Biomechanical Engineering Div., to date		PhD, Stanford Univ., 1976	An Organ Culture Method for Study of Fetal Mouse Bone Under Stress				

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Sacks, Michael S.	Assoc. Prof., Bioengineering, Univ. of Pittsburgh, 1998 to date	Univ. of Miami, 1993-98	PhD, Biomedical Engineering, Univ. of Texas Southwestern Medical Center at Dallas, 1992	Active Wall Tension and Passive Constitutive Relation of the Right Ventricular Free Wall	C.J. Chuong	Biomedical Engineering, UTSWMC, 1992-93	Kristen L. Billiar (1998)	
Sagen, Jacqueline	Prof. of Neurosurgery, Univ. of Miami, 1998 to date	CytoTherapeutics/Brown Univ. to 1998	PhD, Univ. of Illinois at Chicago Health Sciences Center, 1984	Modulation of Nociception by Brainstem Noradrenergic Neurons				
Sah, Robert L-Y.	Associate Prof. of Bioengineering, UCSD, 1992 to date		MD, Harvard Medical School, 1991; ScD, HST Medical Engineering and Medical Physics, MIT, 1990	Biophysical Regulation of Matrix Synthesis, Assembly, and Degradation in Dynamically Compressed Calf Cartilage	Alan J. Grodzinsky			
Sakiyama-Elbert, Shelly E.	Assist. Prof. of Biomedical Engineering, Washington Univ.		PhD, Chemical Engineering, California Institute of Technology, 2000	Biofunctional Polymers for Controlled Release of Growth Factors in the Peripheral Nervous System	Jeffrey A. Hubbell			
Saltzman, W. Mark	Prof. of Chemical and Biomedical Engineering, Yale Univ., 2002 to date	Johns Hopkins Univ., 1987-95; Cornell Univ., 1996-2002	PhD, HST Medical Engineering and Medical Physics, MIT, 1987	A Microstructural Approach for Modelling Diffusion of Bioactive Macromolecules in Porous Polymers	Robert S. Langer	Postdoc at MIT		
Sambanis, Athanassios	Assoc. Prof. of Chemical Engineering, Georgia Tech		PhD, Univ. of Minnesota, 1985	Experimental and Modeling Studies on the Dynamics of Cultures of the Ciliate Tetrahymena pyriformis Grown on Several Bacterial Species		Chemical Engineering (Gregory Stephanopoulos) and Whitehead Institute (Harvey Lodish), MIT, ca. 1990		
Schaffer, David V.	Assist. Prof. of Chemical Engineering, Univ. of California, Berkeley, 1999 to date		PhD, Chemical Engineering, MIT, 1998	Epidermal Growth Factor Receptor-Mediated Gene Delivery: a Model System for Engineering Selective Gene Therapy Approaches	Douglas A. Lauffenburger	Fred Gage, Salk Institute, 1998-99		

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Schmidt, Christine E.	Assoc. Prof. of Biomedical Engineering, Univ. of Texas at Austin, 1996 (?) to date		PhD, Chemical Engineering, Univ. of Illinois at Urbana-Champaign, 1995	Adhesion Receptor-Cytoskeleton Interactions in Migrating Tissue Cells	Douglas A. Lauffenburger	Robert S. Langer, MIT, 1994-96		
Schoen, Frederick J.	Prof. of Pathology, Harvard Medical School, faculty, Harvard-MIT HST		MD, Univ. of Miami, 1974; PhD, Materials Science, Cornell Univ., 1970	A Model for the Growth of Martensite in Iron-(10 Percent) Nickel Alloys Containing Carbon				
Sefton, Michael V.	Prof. of Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1974 to date		ScD, Chemical Engineering, MIT, 1974	Surface Hydroxylation of Styrene-Butadiene-Styrene Block Copolymers for Biomaterials	Edward W. Merrill		Julia E. Babensee (1996)	
Sfeir, Charles S.	Assist. Prof., Univ. of Pittsburgh, 2000 to date	Oregon Health Sciences Univ., 1999-2000	DDS, Univ. Louis Pasteur, 1990; PhD, Molecular Biology, Northwestern Univ., 1996	Phosphorylation of Dentin Extracellular Matrix Proteins by Protein Kinases	Arthur Veis			
Shastri, Venkatram Prasad	Research Assist. Prof., Univ. of Pennsylvania School of Medicine		PhD, Chemistry, Rensselaer Polytechnic Institute, 1995	Evaluation of Polypyrrole Thin Films as Substratum for Mammalian Cell Culture	Gary Wnek	Robert S. Langer, Chemical Engineering, MIT, ca. 1998-2000		
Shea, Lonnie D.	Assist. Prof. of Chemical Engineering, Northwestern Univ.		PhD, Chemical Engineering and Scientific Computing, Univ. of Michigan, 1997	Kinetics of Receptor, Ligand, and G Protein Interaction for Signal Transduction: a Modeling Study	Jennifer J. Linderman			
Sheardown, Heather D.	Assist. Prof. of Chemical Engineering, McMaster Univ.		PhD, Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1995	Mechanisms of Corneal Epithelial Wound Healing	Yu-Ling Cheng			
Shoichet, Molly S.	Assoc. Prof., Depts. of Chemistry, Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1995 to date	CytoTherapeutics, 1992-95	PhD, Polymer Science and Engineering, Univ. of Massachusetts, Amherst, 1992	Synthesis and Adsorption of Polymers: Control of Polymer and Surface Structure	Thomas J. McCarthy			

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Shreiber, David I.	Assist. Prof. of Biomedical Engineering, Rutgers Univ., 2002 to date		PhD, Bioengineering, Univ. of Pennsylvania, 1998	Experimental and Computational Modeling of Traumatic Brain Injury: in Vivo Thresholds for Mechanical Disruption of the Blood-Brain Barrier	David F. Meaney	Robert T. Tranquillo, Univ. of Minnesota, ca. 2000-02		
Sielaff, Timothy D.	Assist. Prof. of Surgery, Univ. of Minnesota, 1998 to date		MD, Medical College of Virginia, 1989; PhD, Univ. of Minnesota, 1997	Development and Characterization of a Porcine Hepatocyte Bioartificial Liver for the Treatment of Fulminant Hepatic Failure	Frank B. Cerra			
Sikavitsas, Vassilios I.	Assist. Prof. of Chemical Engineering and Materials Science, Univ. of Oklahoma, 2002 to date		PhD, SUNY Buffalo, 2000	Dynamics of Antigen-Antibody Interactions and their Effect in the Performance of Immunosensors		Antonios G. Mikos, Rice Univ., 2000-02		
Skalak, Richard	(deceased, 1997)	Columbia Univ., 1954-88; UCSD, 1988-97	PhD, Civil Engineering, Columbia Univ., 1954	An Extension of the Theory of Water Hammer				
Smith, Marc K.	Assoc. Prof. of Mechanical Engineering, Georgia Tech, 1991 to date	Johns Hopkins Univ., until 1991	PhD, Engineering Sciences and Applied Mathematics, Northwestern Univ., 1982	The Instabilities of Thermocapillary Shear Layers				
Solomon, Barry A.	President and CSO, Circe Biomedical, 1999-2002	1977-99 Amicon --> WR Grace	PhD, Chemical Engineering, Yale Univ., 1973	Open Tubular Heterogeneous Enzyme Reactors		Chemical Engineering dept. MIT, 1975-77?		
Soslowsky, Louis J.	Assoc. Prof. of Bioengineering, Univ. of Pennsylvania		PhD, Engineering Mechanics, Columbia Univ., 1991	Studies on Diarthrodial Joint Biomechanics with Special Reference to the Shoulder	Van C. Mow			
Spector, Myron	Prof. of Orthopedic Surgery, Brigham and Women's Hospital / Harvard Medical School		PhD, Carnegie Mellon Univ., 1971	A Study of the Mineral Phase Development Associated with Arterial Calcification				

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Stegemann, Jan P.	Assist. Prof. of Biomedical Engineering, RPI, 2002 to date	WR Grace; Circe Biomedical, mid-1990s	PhD, Bioengineering, Georgia Tech, 2002	Characterization and Control of Smooth Muscle Phenotype in Vascular Tissue Engineering	Robert M. Nerem			
Stice, Steven L.	Assoc. Prof., Animal and Dairy Science, Univ. of Georgia		PhD, Animal Science, Univ. of Massachusetts at Amherst, 1989	The Characterization of a Factor in Mammalian Sperm Which Activates Mature Oocytes	James M. Robl			
Tien, Joe	Assist. Prof. of Biomedical Engineering, Boston Univ.		PhD, Physics, Harvard Univ., 1999	Three-Dimensional Mesoscale Self-Assembly	George M. Whitesides	Christopher Chen, Biomedical Engineering, Johns Hopkins Univ., ca. 1999-2001		
Titus, F. Louisa	Research Assist. Prof., Dept. of Medicine, Emory Univ., 1991 to date		PhD, Anatomy, Emory Univ., 1985	Regulation of Cardiac C-Protein Phosphorylation	H. Cris Hartzell			
Tompkins, Ronald G.	Prof. of Surgery, HMS / Mass. General Hosp. / Boston Shriners Hosp., 1990 to date		MD, Tulane Univ., 1976; ScD, Chemical Engineering, MIT, 1983	In Vivo Transport of Low-Density Lipoprotein in the Arterial Walls of the Squirrel Monkey	Clark K. Colton, Kenneth A. Smith			
Toner, Mehmet	Prof. of Surgery, HMS / Mass. General Hosp., 1990s? to date		PhD, HST Medical Engineering and Medical Physics, 1989	Thermodynamics and Kinetics of Ice Nucleation Inside Biological Cells During Freezing: as Applied to Mouse Oocytes	Ernest G. Cravalho		Jens O.M. Karlsson (1994); Sangeeta N. Bhatia (1997)	Prabhas V. Moghe (1993-95); Albert Folch (1997-2000)
Tranquillo, Robert T.	Prof. of Biomedical Engineering, Univ. of Minnesota		PhD, Chemical Engineering, Univ. of Pennsylvania, 1986	Phenomenological and Fundamental Descriptions of Leukocyte Random Motility and Chemotaxis	Douglas A. Lauffenburger		Prabhas V. Moghe (1993); Victor H. Barocas (1996)	Victor H. Barocas (1996); David I. Shreiber (ca. 2000-02)

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Tuan, Rocky S.	Prof. of Orthopedic Surgery, Biochemistry and Molecular Biology, Thomas Jefferson Univ., 1988 to date; Chief of Cartilage Biology and Orthopaedics Branch, NIH-NIAMS, 2001 to date	Univ. of Pennsylvania, 1980-88	PhD, Rockefeller Univ., 1977	The Calcium Binding Protein of the Chick Chorioallantoic Membrane			Robert E. Akins (1992)	
Unsworth, Brian R.	Prof. of Biological Sciences, Marquette Univ., 1969 to date		PhD, Biochemistry, University College, London, 1965			Univ. of Wisconsin, Madison, 1965-67; Univ. of California, San Diego, 1967-69		
Vacanti, Charles A.	Prof. of Anesthesiology, Perioperative and Pain Medicine, HMS / Brigham and Women's Hosp., 2002 to date	HMS / Mass. General Hosp., 1980s - 1994; Univ. of Mass. Medical School, 1994-2002	MD, Univ. of Nebraska, 1975					
Vacanti, Joseph P.	Prof. of Surgery, HMS/Massachusetts General Hospital	HMS/Children's Hospital	MD, Univ. of Nebraska, 1974			Judah Folkman, HMS/ Children's Hospital, 1977-79		Linda G. Griffith (ca. 1988-90); Linda K. Hansen? (ca. 1992-94)
Valentini, Robert F.	Adjunct Assist. Prof. of Medical Science, Brown Univ., to date; Chief Executive Officer, Cell Based Delivery, 1999 to date		MD, Brown Univ., 1993; PhD, Medical Science, Brown Univ., 1993	The Development of Electrically Charged, Covalently Modified Fluoropolymers for Patterned Neuronal Cell Attachment and Outgrowth	Patrick Aebischer			

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Vandenburgh, Herman H.	Prof. of Pathology and Cellular Technology (Research), Brown Univ., to date; Chief Scientific Officer, Cell Based Delivery, Inc., 1999 to date		PhD, Anatomy, Univ. of Pennsylvania, 1976	A Membrane Ectoenzyme, 5' Nucleotidase, on Differentiating Chick Muscle Cells in Vitro				
Velegol, Darrell	Assist. Prof. of Chemical Engineering, Penn State Univ., 1999 to date		PhD, Chemical Engineering, Carnegie Mellon Univ., 1997	Determining the Forces Between Colloidal Particles Using Differential Electrophoresis	John L. Anderson, Stephen Garoff	Frederick Lanni, CMU Center for Light Microscope Imaging and Biotechnology, 1997-99		
Vito, Raymond P.	Prof. of Mechanical Engineering, Georgia Tech, 1974 to date		PhD, Cornell Univ., 1971	Nonlinear Vibrations of Certain Conservative Systems with Two Degrees of Freedom		McMaster Univ., early 1970s		
Vorp, David A.	Assist. Prof. of Surgery and Bioengineering, Univ. of Pittsburgh, 1992 to date		PhD, Mechanical Engineering, Univ. of Pittsburgh, 1992	Finite Element Modelling and Analyses of Nonlinearly Elastic, Orthotropic, Vascular Tissue in Distension				Janine M. Orban (2000-02)
Vunjak-Novakovic, Gordana	Adjunct Prof. of Chemical and Biological Engineering, Tufts Univ.; Principal Research Scientist, MIT		PhD, Chemical Engineering, Univ. of Belgrade, 1980			Fulbright Fellow, MIT, 1986-87, visiting research scientist, MIT, 1989, 1991, 1992		
Wagner, William R.	Assoc. Prof., Bioengineering, Univ. of Pittsburgh, 1991 to date		PhD, Univ. of Texas at Austin, 1991	Biochemical and Biophysical Mechanisms of Mural Thrombosis on Natural Surfaces	Jeffrey A. Hubbell			
Watanabe, Frederick D.	Assist. Prof., Univ. of California, Los Angeles, School of Medicine		MD, Ohio State Univ.					

Name	Current Employment	Prior Employment	Doctoral Degrees	Dissertation Title	PhD/ScD Thesis Supervisors	Key Research Fellowships / Staff Researcher Positions	Doctoral Students	Fellows
Weber, Collin J.	Prof. of Surgery, Emory Univ., 1992 to date		MD, Columbia Univ., 1971					
Weiss, Lee	Principal Research Scientist, CMU Robotics Institute, 1984 to date		PhD, Electrical and Computer Engineering, Carnegie Mellon Univ., 1984	Dynamic Visual Servo Control of Robots: an Adaptive Image-Based Approach				Brenda K. Mann (1998-2001)
West, Jennifer L.	Associate Prof. of Bioengineering, Rice Univ., late 1990s to date		PhD, Univ. of Texas at Austin, 1996	Photopolymerized Hydrogels for the Manipulation of Wound Healing	Jeffrey A. Hubbell			
Whang, Kyumin	Assist. Prof. of Restorative Dentistry, Univ. of Texas Health Sciences Center San Antonio, to date		PhD, Biomedical Engineering, Northwestern Univ., 1997	A Novel Bioabsorbable Scaffold Useful for Controlled Drug Release and Tissue Regeneration	Kevin E. Healy?			
Wick, Timothy M.	Assoc. Prof. of Chemical Engineering, Georgia Tech		PhD, Chemical Engineering, Rice Univ., 1988	Fibronectin and von Willebrand Factor Mediated Sickle Erythrocyte Adhesion to Human Endothelial Cells under Venous Flow Conditions	Larry V. McIntire			
Williams, Stuart K.	Prof. of Physiology, Univ. of Arizona, 1991 to date	Jefferson Medical College, 1981-91	PhD, Cell Biology, Univ. of Delaware, 1979	Micropinocytosis in Isolated Capillary Endothelium	Roger C. Wagner			
Wong, Joyce Y.	Assist. Prof. of Biomedical Engineering, Boston Univ.		PhD, Materials Science and Engineering, MIT, 1994	Electrically Conducting Polymers for Non-Invasive Control of Mammal Cell Behavior	Robert S. Langer	Jacob N. Israelachvili, Chemical Engineering, Univ. of California, Santa Barbara, ca. 1997-2001		
Woo, Savio L.Y.	Prof. of Bioengineering and Orthopedic Surgery, Univ. of Pittsburgh, 1990 to date	UCSD, 1970s - 1990	PhD, Mechanical Engineering, Univ. of Washington, 1971	Structural Analysis of a Corneo-Scleral Shell				

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Woodhouse, Kim A.	Prof. of Chemical Engineering and Applied Chemistry, Univ. of Toronto		PhD, Chemical Engineering, McMaster Univ., 1993	The Interactions of Plasminogen with Model Surfaces and Derivatized Segmented Polyurethane Ureas	John L. Brash			
Wright, James R.	Prof. of Pathology, Dalhousie Univ.		MD, Ohio State College of Medicine; PhD, Pathology, Ohio State Univ., 1995	Characterization of the Spontaneously Diabetic BB Wistar Rat	A.J. Yates			
Wu, Benjamin	Assist. Prof. of Materials Science and Engineering, Univ. of California, Los Angeles		DDS, Univ. of Pacific; PhD, Materials Science and Engineering, MIT, 1998	Microstructural Control During Three Dimensional Printing of Polymeric Medical Devices	Michael J. Cima			
Yannas, Ioannis V.	Prof. of Mechanical Engineering, Health Sciences and Technology, and Bioengineering and Environmental Health, MIT, 1966 to date		PhD, Princeton Univ., 1966	Viscoelastic Behavior and Certain Transitions of Gelatin-Nonaqueous Diluent Systems				
Yarema, Kevin J.	Assist. Prof. of Biomedical Engineering, Johns Hopkins Univ.		PhD, Chemistry, MIT, 1994	Cellular Responses to Platinum-Based Anticancer Drugs	John M. Essigman			
Yarmush, Martin L.	Prof. of Biomedical Engineering, Rutgers Univ.		MD, Yale Univ.; PhD, Rockefeller Univ., 1979	Idiotypes and Allotypes of Immunoglobulins: Probes for Inheritance and Gene Regulation			James C.Y. Dunn (1992)	Prabhas V. Moghe (1993-95); Stelios T. Andreadis (1996-98)
Yaszemski, Michael J.	Consultant, Dept. of Orthopedic Surgery, Mayo Clinic		MD, Georgetown Univ.; PhD, Chemical Engineering, MIT, 1995	The Design, Synthesis, Characterization, and Mechanical Testing of a Novel Degradable Polymeric Material for Use as a Bone Substitute	Robert S. Langer	Orthopedics residency, Wilford Hall Medical Center, San Antonio		

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Zandstra, Peter W.	Assist. Prof. of Tissue Engineering, Dept. of Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1999 to date; affiliated faculty, Biotechnology Process Engineering Center, MIT, 1998 to date		PhD, Chemical and Bio-Resource Engineering, Univ. of British Columbia, 1997	Cytokine-Dependent Regulation of Human Hematopoietic Cell Self-Renewal and Differentiation on Suspension Cultures	J. M. Piret	Douglas A. Lauffenburger, MIT, 1997-98		
Zygourakis, Kyriacos	Prof. of Chemical Engineering, Bioengineering, Rice Univ.		PhD, Univ. of Minnesota, 1981	Studies on the Monolith Catalytic Reactor				