

Appendix 2: Roster of Tissue Engineers

Name	Current Employment	Prior Employment	Doctoral Degrees	Dissertation Title	PhD/ScD Thesis Supervisors	Key Research Fellowships / Staff Researcher Positions	Doctoral Students	Fellows
Aebischer, Patrick	Prof., Ecole Polytechnique Federale de Lausanne, 1995 to date; President of EPFL, 2000 to date	Brown Univ., 1984-92; CHUV Lausanne, 1992-95	MD, University of Geneva, 1980; PhD, Neuroscience, University of Geneva, 1983	L'activite Naturelle des Cellules de la Substance Noire du Primate Comme Image Positive de l'Akinesie Parkinsonienne			Robert F. Valentini (1993); Ravi V. Bellamkonda (1994); John P. Ranieri (1994)	
Akins, Robert E.	Research Assist. Prof., Thomas Jefferson Univ., head of Tissue Engineering and Regenerative Medicine lab, duPont Hospital for Children		PhD, Biology, Univ. of Pennsylvania, 1992	Calcium Transport in the Chick Chorioallantoic Membrane: Isolation and Characterization of Constituent Cells, Evidence for Cellular Compartmentalization, and Techniques for the Biochemical Analysis of Transport Related Protein Components	Rocky S. Tuan	Orthopedics, Thomas Jefferson Univ.; research, duPont Hospital for Children, Wilmington, DE		
Alevriadou, B. Rita	Assist. Prof. of Biomedical Engineering, Johns Hopkins Univ., 1993 to date		PhD, Chemical Engineering, Rice Univ., 1992	Interaction of Platelets in Flowing Blood with Collagen-Coated Surfaces: Effect of Inhibitors of Platelet Function or von Willebrand Factor Binding Domains	Larry V. McIntire	Scripps Research Institute, La Jolla, 1992-93		
Allen, Fred D.	Assist. Prof. of Biomedical Engineering, Drexel Univ., 2000? to date		PhD, Bioengineering, Univ. of Pennsylvania, 1996	A Study of Fluid Flow Induced Intracellular Calcium Changes in Osteoblast-Like Cells	Solomon R. Pollack?	Douglas A. Lauffenburger, 1997-2000		

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Ameer, Guillermo A.	Assist. Prof. of Biomedical Engineering, Northwestern Univ.		ScD, Chemical Engineering, MIT, 1999	Investigation of Extracorporeal Immobilized Enzyme Device: a Potential Treatment for Blood Deheparinization	Robert S. Langer	Langer postdoc?		
Andreadis, Stelios T.	Assist. Prof., SUNY Buffalo, 1998 to date		PhD, Chemical Engineering, Univ. of Michigan, 1996	Dynamics of Retrovirus-Mediated Gene Transfer	David J. Mooney, Bernhard O. Palsson	M. Yarmush, HMS, 1996-98		
Anseth, Kristi S.	Assoc. Prof. of Chemical Engineering, Univ. of Colorado, Boulder, 1996 to date		PhD, Chemical Engineering, Univ. of Colorado, Boulder, 1994	Photopolymerization of Multifunctional Monomers: Reaction Mechanisms and Polymer Structural Evolution	Christopher N. Bowman	Nicholas Peppas, Purdue Univ., 1995; Robert S. Langer, MIT, 1995-96		
Applegate, Dawn R.	Advanced Tissue Sciences Director of Technology Development; now ?		PhD, Chemical Engineering, MIT, 1993	Quantitative and Mechanistic Effects of Bubble Aeration on Animal Cells in Culture	Daniel I.C. Wang			
Asthaigiri, Anand R.	Assist. Prof. of Chemical Engineering, California Institute of Technology, 2002 to date		PhD, Chemical Engineering, MIT, 2000	Dynamics of Adhesion- and Growth Factor-Mediated Signals Regulating Cell Cycle Progression	Douglas A. Lauffenburger			
Atala, Anthony	Prof. of Surgery, Harvard Medical School / Children's Hospital, 1992 to date		MD, Univ. of Louisville			Harvard Medical School/Children's Hospital (J. Vacanti?), 1990-92		
Ateshian, Gerard	Prof. of Mechanical Engineering and Bioengineering, Columbia Univ.		PhD, Mechanical Engineering, Columbia Univ., 1991	Biomechanics of Diarthrodial Joints: Applications to the Thumb Carpometacarpal Joint	Van C. Mow			
Athanasios, Kyriacos A.	Prof. of Bioengineering, Rice Univ., 1990s to date		PhD, Columbia Univ., 1989	Biomechanical Assessment of Articular Cartilage Healing and Interspecies Variability	Van C. Mow?			

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Auger, Francois A.	Professor, Universite Laval		PhD				Nicolas L'Heureux (1996)	
Babensee, Julia E.	Assist. Prof. of Biomedical Engineering, Georgia Tech		PhD, Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1996	Morphological Assessment of HEMA-MMA Microcapsules for Liver Cell Transplantation	Michael V. Sefton	Antonios G. Mikos, Rice Univ., 1996-99		
Badylak, Stephen F.	Senior Research Scientist, Dept. of Biomedical Engineering, Purdue Univ.		DVM, Purdue Univ., 1976; PhD, Purdue Univ., 1981; MD, Indiana Univ., 1985	Clinicopathologic and Morphologic Alterations in Naturally-Occurring Hepatic Disease and Experimentally-Induced Glucocorticoid Hepatopathy in the Dog				
Bagli, Darius J.	Assist. Prof. of Surgery, Univ. of Toronto, 1995 to date		MD, McGill Univ., 1984			Urology residency, HMS/New England Deaconess, Glenn Steele, 1989-93		
Barocas, Victor H.	Assist. Prof. of Bioengineering, Univ. of Minnesota, 2000 to date	Univ. of Colorado, Boulder, 1997-2000	PhD, Chemical Engineering, Univ. of Minnesota, 1996	Anisotropic Biphasic Modeling of Cell-Collagen Mechanical Interactions in Tissue Equivalents	Robert T. Tranquillo	Robert T. Tranquillo, Linda R. Petzold, Univ. of Minnesota, 1996		
Bell, Eugene	Tissue Engineering Inc. (TEI Biosciences) 1992 to date	MIT, 1960s (?) until 1986; Organogenesis 1986-91; MIT 1991-92	PhD, Biology, Brown Univ., 1954	Some Effects of Ultrasound on the Mouse Liver				
Bellamkonda, Ravi V.	Assoc. Prof. of Biomedical Engineering, Case Western Reserve Univ., 1995 to date		PhD, Medical Sciences, Section of Artificial Organs, Biomaterials and Cellular Technology, Brown Univ., 1994	Development of a Three-Dimensional Extracellular Matrix Equivalent for Neural Cells and Nerve Regeneration	Patrick Aebischer			
Bhatia, Sangeeta N.	Assist. Prof. of Bioengineering, UCSD, 1999? to date		MD, Harvard Medical School, 1990; PhD, Health Sciences and Technology, 1997	Controlling Cell-Cell Interactions in Hepatic Tissue Engineering Using Microfabrication	Mehmet Toner			

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Bhatnagar, Rajendra S.	Prof. of Biochemistry, School of Dentistry, Univ. of California, San Francisco, 1974 to date		PhD, Biochemistry, Duke Univ., 1964	The Effect of Lathyrogens on Collagen Metabolism in Embryonic Chick Bones in Culture			Steven Nicoll (2000)	
Billiar, Kristen L.	Assist. Prof. of Biomedical Engineering, Worcester Polytechnic Inst., 2002 to date	Organogenesis, 1998-2002	PhD, Bioengineering, Univ. of Pennsylvania, 1998	A Structurally Guided Constitutive Model for Aortic Valve Prostheses: Effects of Glutaraldehyde Treatment and Mechanical Fatigue	Michael S. Sacks			
Bischof, John C.	Assoc. Prof. of Mechanical Engineering, Univ. of Minnesota, 1993 to date		PhD, Mechanical Engineering, Univ. of California, Berkeley, 1992	The Freezing of Biological Tissue	Boris Rubinsky	HMS/Shriners Surgical Research Laboratory, 1992-93		
Bizios, I. Rena	Prof. of Biomedical Engineering, RPI, 1981 to date		PhD, Chemical Engineering, MIT, 1979	Metabolism of Arachidonic Acid by Platelets in Hyperlipoproteinemia	Robert S. Lees, Angelina C.A. Carvalho, Klaus Biemann	Visiting prof. or scientist in chemical engineering, Rice Univ., 1987-88 and 1996; and MIT, 1995		
Boden, Scott	Prof. of Orthopedics, Emory Univ.		MD, Univ. of Pennsylvania					
Bonadio, Jeffrey	Assoc. Prof. of Bioengineering, Univ. of Washington	Univ. of Michigan, 1990s	MD, Medical College of Wisconsin, 1979					
Bonassar, Lawrence J.	Research Assist. Prof. of Anesthesiology and Cell Biology, Univ. of Massachusetts Medical School		PhD, Materials Science and Engineering, MIT, 1995	Matrix Metalloproteinase Activity and Inhibition in Articular Cartilage: Effects on Composition and Biophysical Properties and Relevance to Osteoarthritis	Alan J. Grodzinsky			

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Boyan, Barbara D.	Prof. of Biomedical Engineering, Georgia Tech, 2002 to date	Univ. of Texas HSC San Antonio, 1981 - 2002	PhD, Biology, Rice Univ., 1974 (conferred 1975)	Mineral Metabolism in Pulmonate Molluscs				
Boyce, Steven T.	Research Assoc. Prof. of Surgery, Univ. of Cincinnati		PhD, Molecular, Cellular and Developmental Biology, Univ. of Colorado, 1985	Cultured Human Epidermal Keratinocytes: Growth, Differentiation, and Feasibility Studies for Medical Applications				
Bruder, Scott P.	Vice President, DePuy Orthobiologics		MD, Case Western Reserve Univ., 1992; PhD, Biomedical Engineering, Case Western Reserve Univ., 1990	Characterization of the Osteogenic Cell Lineage	Arnold I. Caplan			
Buettner, Helen M.	Assoc. Prof. of Biomedical Engineering, Rutgers Univ.		PhD, Chemical Engineering, Univ. of Pennsylvania, 1987	Quantitative Analysis of Leukocyte Chemotaxis in the Millipore Filter Assay	Douglas A. Lauffenburger		David J. Odde (1995)	
Butler, David L.	Adjunct. Prof. of Orthopedic Surgery, Univ. of Cincinnati		PhD, Engineering Mechanics and Biomechanics, Michigan State Univ., 1976	A Constitutive Equation for Mammalian Skeletal Muscle Tissue in the Passive and Fully Stimulated States				
Cahn, Frederick	Senior Vice President, Integra LifeSciences Corp.		PhD, Biology, MIT, 1972	Chemical and Physical Alterations in Ribosome Structure and Function	Alexander Rich			
Campbell, Phil G.	Senior Research Scientist, CMU Institute for Complex Engineered Systems		PhD, Physiology, Penn State Univ., 1988	Insulin-like Growth Factor-I and Insulin-like Growth Factor Binding Proteins in the Bovine Mammary Gland: Receptors, Endogenous Secretion, and Appearance in Milk	C.R. Baumrucker			

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Caplan, Arnold I.	Prof. of Physiology and Biophysics, Case Western Reserve Univ., 1969 to date		PhD, Physiological Chemistry, Johns Hopkins Univ. Medical School, 1966	Biochemical and Ultrastructural Properties of Osmotically Lysed Rat Liver Mitochondria			Scott P. Bruder (1990)	
Carrier, Rebecca L.	Pfizer		ScD, Chemical Engineering, MIT, 2000	Cardiac Tissue Engineering: Bioreactor Cultivation Parameters	Robert S. Langer			
Chaikof, Elliot L.	Prof. Of Surgery, Emory Univ. 1990s (?) to date		MD, Johns Hopkins Univ., 1982; PhD, Chemical Engineering, MIT, 1989	Polyethylene Oxide-Polysiloxane Polymer Networks for Blood Contact	Edward W. Merrill			Kacey G. Marra (1996-97); Janine M. Orban (1999-2000)
Chancellor, Michael	Prof. of Urology, Univ. of Pittsburgh		MD					
Chen, Christopher S.	Assist. Prof. of Biomedical Engineering, Johns Hopkins Univ., 1999 to date		MD, Harvard Medical School / HST; PhD, Health Sciences and Technology, MIT, 1997	Cell Shape and Integrins: Determinants of Extracellular Matrix Regulation of Growth and Survival	Donald E. Ingber, George M. Whitesides			Joe Tien (ca. 1999-2001)
Cheng, Y.-L.	Prof. of Chemical Engineering and Applied Chemistry, Univ. of Toronto, 1989 to date		PhD, Stanford Univ., 1984	A Total Internal Reflection Fluorescence Study of Bovine Serum Albumin Absorption onto Polymer Surfaces				
Chesler, Naomi C.	Assist. Prof. of Biomedical Engineering, Univ. of Wisconsin, Madison, 2002 to date	Univ. of Vermont, ca. 1998-2002	PhD, Medical Engineering and Medical Physics, HST, MIT, 1996	Ventricular Assist Device Design and Analysis: a Computational Approach	Roger D. Kamm	David N. Ku, Georgia Tech, and Zorina Galis, Emory Univ., 1996-98		
Chien, Shu	University Professor; Prof. of Bioengineering and Medicine, UCSD, 1988 to date		MD, National Taiwan Univ., 1953; PhD, Columbia Univ., 1957				Song Li (1997)	

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Colton, Clark K.	Prof. of Chemical Engineering, MIT, 1970s (?) to date		PhD, Chemical Engineering, MIT, 1969	Permeability and Transport Studies in Batch and Flow Dialyzers with Applications to Hemodialysis	Kenneth A. Smith		Robert S. Langer (1974)	
Constantinidis, Ioannis	Dept. of Medicine, Div. of Endocrinology and Metabolism, Univ. of Florida, 2002 to date	Emory Univ., 1989-2001	PhD, Chemistry, Univ. of New Mexico, 1987	Antimalarial Drug Interaction with Porphyrins: 1H-NMR Study of G. dibranchiata Methemoglobins				
Costa, Kevin D.	Assist. Prof. of Biomedical Engineering, Columbia Univ., 1999? to date		PhD, Bioengineering, UCSD, 1996	The Structural Basis of Three-Dimensional Ventricular Mechanics	Andrew D. McCulloch	Frank C.P. Yin, Washington Univ.		
Demetriou, Achilles A.	Prof. of Surgery, Univ. of California, Los Angeles, 1992 to date	Albert Einstein College of Medicine; Vanderbilt Univ.	MD, Hebrew Univ.; PhD, Biochemistry, George Washington Univ., 1981	Studies on Polyamine Biosynthetic Enzymes				
Dennis, Robert G.	Visiting Assistant Prof. of Mechanical and Biomedical Engineering, Univ. of Michigan, 2001 to date		PhD, Biomedical Engineering, Univ. of Michigan, 1996	Measurement of Pulse Propagation in Single Permeabilized Muscle Fibers by Optical Diffraction	John A. Faulkner			
Desai, Tejal A.	Assoc. Prof. of Biomedical Engineering, Boston Univ., 2002 to date	Univ. of Illinois at Chicago, 1998-2002	PhD, Bioengineering, Univ. of California, San Francisco and Berkeley, 1998	Microfabricated Biocapsules for the Immunoisolation of Pancreatic Islets of Langerhans	Mauro Ferrari			
DePaola, Natacha	Assoc. Prof. of Biomedical Engineering, RPI, 1994 to date	Northwestern Univ., 1993-94	PhD, Health Sciences and Technology, MIT, 1991	Focal and Regional Responses of Endothelium to Disturbed Flow in Vitro	C. Forbes Dewey	Edward F. Leonard, Columbia Univ., 1991-92		
DiMilla, Paul A.	Organogenesis (until ?)	Carnegie Mellon Univ., 1993-98	PhD, Chemical Engineering, Univ. of Pennsylvania, 1991	Receptor-Mediated Tissue Cell Adhesion and Migration on Protein-Coated Surfaces	John A. Quinn, Douglas A. Lauffenburger	George M. Whitesides, Harvard Univ., 1991-93	Aaron S. Goldstein (1997)	

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Dionne, Keith E.	VP, Millennium Pharmaceuticals	CytoTherapeutics; ALZA Pharmaceuticals	PhD, Chemical Engineering, MIT, 1990	Effect of Hypoxia on Insulin Secretion and Viability of Pancreatic Islet Tissue	Clark K. Colton			
Dixit, Vivek	Prof. of Medicine, Univ. of California, Los Angeles, 1993 to date		PhD, Physiology, McGill Univ., 1986	The Physiological Actions of Prostaglandin E2 on the Liver and Blood-Brain Barrier of Galactosamine-Induced Fulminant Hepatic Failure Rats	Thomas M.S. Chang?			
Doctor, John S.	Assoc. Prof. of Biological Sciences, Duquesne Univ.		PhD, Genetics, Univ. of California, Berkeley, 1985	Hormonal Control of Imaginal Disc Differentiation in Drosophila Melanogaster: Studies on the Biosynthesis of Chitin and Pupal Cuticle Proteins (20-Hydroxyecdysone)		Visiting prof., NIH sabbatical fellowship, CMU Bone Tissue Engineering Center, 2000		
Ducheyne, Paul	Prof. of Bioengineering, Univ. of Pennsylvania		PhD, Materials Science, Katholieke Universiteit Leuven				David H. Kohn (1989); Kevin E. Healy (1990); Andres Garcia (1996)	
Dunn, James C.Y.	Assist. Prof. in Pediatric Surgery, Univ. of California, Los Angeles, 2001 to date		MD, Harvard Medical School/HST, 1992; PhD, Chemical Engineering, MIT, 1992	Long-Term Culture of Differentiated Hepatocytes in a Collagen Sandwich Configuration	Martin L. Yarmush, Daniel I.C. Wang			
Dunn, Michael G.	Prof. of Surgery, UMDNJ / Rutgers		PhD, Biomedical Engineering, Rutgers Univ., 1987	An Evaluation of Full Thickness Skin Excision Management by Wound Clips, Collagen Sponge and Electrical Stimulation	Fred H. Silver			

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Edelman, Elazer R.	Prof. of Health Sciences and Technology, MIT		MD, Harvard Medical School/HST; PhD, HST Medical Engineering and Medical Physics, MIT, 1984	Regulation of Drug Delivery from Porous Polymer Matrices Using Oscillating Magnetic Fields	Robert S. Langer			
Elbert, Donald L.	Assist. Prof. of Biomedical Engineering, Washington Univ.		PhD, Chemical Engineering, Univ. of Texas at Austin, 1997	Polymeric Steric Stabilization of Proteins, Cells and Tissues by Adsorption of Polycations and Biologically Inert Polymers	Jeffrey A. Hubbell			
Elisseff, Jennifer H.	Assist. Prof. of Biomedical Engineering, Johns Hopkins Univ.		PhD, HST, MIT, 1999	Transdermal Photopolymerization of Hydrogels for Tissue Engineering	Robert S. Langer			
Fishman, Harvey A.	Senior Research Scientist, Director of Ophthalmic Tissue Engineering Laboratory, Stanford Univ.		MD, Stanford Univ.; PhD, Physical Chemistry/ Neuroscience, Stanford Univ., 1995	Neurochemical Analysis at the Single-Cell Level Using Capillary Electrophoresis	Richard N. Zare, Richard H. Scheller			
Folch, Albert	Assist. Prof. of Bioengineering, Univ. of Washington, 2000 to date		PhD, Physics, Univ. of Barcelona	Modification of Surfaces on the Nanometer Scale	Javier Tejada	Mehmet Toner, HMS Center for Engineering in Medicine, 1997-2000		
Frangos, John A.	President and CEO, La Jolla Bioengineering Institute, 2002 to date	Penn State Univ., 1986-94; UCSD, 1994-2002	PhD, Chemical Engineering, Rice Univ., 1987	The Effect of Steady and Oscillatory Shear Stress on Endothelial Cell Function	Larry V. McIntire		Keith J. Gooch (1995); Todd N. McAllister (2000)	Nicolas L'Heureux (ca. 1998-2000)
Freed, Lisa E.	Principal Research Scientist, Dept. of Chemical Engineering, MIT		PhD, Applied Biological Sciences, MIT, 1988	An Enzymatic Fluidized Bed Reactor for Blood Deheparinization: Development and Testing in Lambs on Extracorporeal Circulation	Robert S. Langer			

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Fung, Y-C.	Prof. Emeritus of Bioengineering and Applied Mechanics, UCSD, 1960s to date		PhD, California Institute of Technology, 1948	Elastostatic and Aeroelastic Problems Relating to Thin Wings of High Speed Airplanes			Shu Q. Liu (1990)	
Galis, Zorina	Assoc. Prof., School of Medicine, Div. of Cardiology, Emory Univ., 1995 to date		PhD, Pathology, McGill School of Medicine, 1992	Distribution of Endogenous Lipoproteins and Sulfated Proteoglycans in Normal Rabbit Aorta and in Atherosclerotic Lesions Induced by Endothelial Injury		Peter Libby, Vascular Medicine, HMS/Brigham and Women's Hosp., 1992-95		Naomi C. Chesler (1996-98)
Galletti, Pierre M.	(deceased 1997)	Emory Univ., 1958-67; Brown Univ. 1967-1997	MD, Univ. of Lausanne, 1951; PhD, Physiology and Biophysics, Univ. of Lausanne, 1954					
Garcia, Andres J.	Assist. Prof., Mechanical Engineering, Georgia Tech, 1998 to date		PhD, Bioengineering, Univ. of Pennsylvania, 1996	Quantitative Analysis of Fibronectin-Mediated Adhesion of Osteoblast-Like Cells to Bioactive Glass and Hydroxyapatite	David Boettiger, Paul Ducheyne	Dept. of Microbiology, Univ. of Pennsylvania School of Medicine, 1996-98		
Gentile, Frank T.	VP, Research, Hambrecht & Quist Capital Management, 2002 to date	CytoTherapeutics, then Reprogenesis; Curis; Millennium Pharmaceuticals	PhD, Chemical Engineering, MIT, 1988	Constitutional Isomerism in Liquid Crystalline Polyamides	Ulrich W. Suter			
Ghanem, Amyl	Assist. Prof. of Chemical Engineering, Dalhousie Univ., 2001 to date	Univ. of Maine	PhD, Chemical Engineering, Cornell Univ., 1998	Application of a Novel Packed Bed Cell Culture Analog Bioreactor and a Corresponding Pharmacokinetic Model to Naphthalene Toxicology	Michael L. Shuler			
Giannobile, William V.	Assist. Prof. of Dentistry, Univ. of Michigan, 1998 to date	Harvard School of Dental Medicine, 1997-98	DDS, Univ. of Missouri, Kansas City, 1991; DMedSci, Harvard School of Dental Medicine, 1996	Polypeptide Growth Factors: Roles in Periodontal Wound Healing and Osteogenesis				

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Goldberg, Daniel P.	Assist. Prof. of Plastic and Reconstructive Surgery, Case Western Reserve Univ., 1995 to date		MD, Northwestern University, 1986					
Goldstein, Aaron S.	Assist. Prof. of Chemical Engineering, Virginia Polytechnic Institute and State Univ.		PhD, Carnegie Mellon Univ., 1997	Strength, Dynamics and Mechanisms of Cell Detachment from Protein-Coated Surfaces under Hydrodynamic Shear	Paul A. DiMilla	Antonios G. Mikos, Rice Univ., 1997-99		
Goldstein, Steven A.	Prof. of Orthopedic Surgery and Bioengineering, Univ. of Michigan		PhD, Bioengineering, Univ. of Michigan, 1981	Biomechanical Aspects of Cumulative Trauma to Tendons and Tendon Sheaths			Scott J. Hollister (1991); Robert Guldberg (1995)	
Gooch, Keith J.	Assist. Prof. of Bioengineering, Univ. of Pennsylvania		PhD, Chemical Engineering, Pennsylvania State Univ., 1995	The Effects of Nitric Oxide on Endothelial Cell Proliferation and Viral Replication (Cytomegalovirus)	John A. Frangos, Charles Dangler			
Gratzer, Paul F.	Assist. Prof. of Biomedical Engineering, Dalhousie Univ.		PhD, Univ. of Toronto, 1999	The Effect of Chemical Modification on the Enzymatic Degradation of Acellular Matrix Processed Biomaterials	J.M. Lee, J.P. Santerre			
Greisler, Howard P.	Prof. of Surgery, Cell Biology, Neurobiology and Anatomy, Loyola Univ. Medical Center		MD, Penn State Univ., 1975					
Green, Howard	Prof. of Cell Biology, Harvard Medical School, 1980 to date	NYU School of Medicine, 1954-70; MIT, 1970-80	MD, Univ. of Toronto, 1947					

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Griffith, May	Assoc. Prof. of Cellular and Molecular Medicine, Univ. of Ottawa, 1993 to date		PhD, Anatomy, Univ. of Toronto, 1990	Retinoic Acid-Induced Spina Bifida: Early Events	M.J. Wiley	Esmond J. Sanders, Dept. of Physiology, Univ. of Alberta, 1989-90; Elizabeth D. Hay, Anatomy and Cellular Biology, Harvard Medical School, 1990-93		
Griffith, Linda G.	Assoc. Prof. of Chemical Engineering, MIT, 1991 to date		PhD, Chemical Engineering, Univ. of California, Berkeley, 1988	Anchorage-Dependent Mammalian Cell Culture in Hollow Fiber Reactors: Cell Metabolism and Mass Transfer Limitations		Robert S. Langer and Joseph P. Vacanti. ca. 1988-90		
Grodzinsky, Alan J.	Prof. of Electrical, Mechanical, Bioengineering and Biological Engineering, MIT, 1970s (?) to date		ScD, Electrical Engineering, MIT, 1974	Electromechanics of Deformable Polyelectrolyte Membranes	James R. Melcher		Robert L-Y. Sah (1990); Lawrence J. Bonassar (1995)	Marc E. Levenston (1995-98?)
Guilak, Farshid	Assist. Prof. of Orthopedic Surgery, Duke Univ., 1994 to date	SUNY Stony Brook, 1991-94	PhD, Mechanical Engineering, Columbia Univ., 1992	Cell-Matrix Interactions and Metabolic Changes in Articular Cartilage Under Compression	Van C. Mow			
Guldberg, Robert	Assoc. Prof. of Mechanical Engineering, Georgia Tech, 1996 to date		PhD, Mechanical Engineering, Univ. of Michigan, 1995	Mechanical Adaptation of Trabecular Bone Formation in Vivo	Steven A. Goldstein, Scott J. Hollister	Marine Biological Laboratory, Univ. of Michigan		
Hansbrough, John F.	(deceased 2001)	UCSD, 1980s - 2001	MD, Harvard Medical School, 1972					
Hansen, Linda K.	Assist. Prof., Dept. of Laboratory Medicine and Pathology, Univ. of Minnesota		PhD, Univ. of Minnesota, 1989	Proteins Synthesized in Response to Mitogenic Signals and Heat Stress in Human Peripheral Blood Lymphocytes	James J. O'Leary	J. Vacanti, HMS/Children's Hospital, ca. 1992-94?		
Hanson, Stephen R.	Prof. of Biomedical Engineering, Emory Univ.		PhD, Chemical Engineering, Univ. of Washington, 1977	In Vivo Evaluation of Biomaterial Thrombogenesis	Buddy Ratner?			

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Healy, Kevin E.	Assoc. Prof. of Bioengineering and Materials Science and Engineering, Univ. of California, Berkeley, 2000 to date	Northwestern Univ., 1989-99	PhD, Bioengineering, Univ. of Pennsylvania, 1990	An Interface Approach to the Mechanisms of Passive Dissolution of Titanium in Biological Environments	Paul Ducheyne		Kyumin Whang (1997)?	
Heidaran, Mohammad A.	BD Biosciences, 2001 to date	Orquest, Inc., ca. 1999-2000	PhD, Univ. of South Carolina, 1987	Transcriptional and Translational Control of the Message for Transition Protein 1, a Major Chromosomal Protein of Mammalian Spermatids	W. Stephen Kistler	National Cancer Institute, ca. 1989-97		
Hirschi, Karen K.	Assist. Prof. of Pediatrics and Molecular and Cellular Biology, Baylor College of Medicine, 1998 to date		PhD, Univ. of Arizona, 1990	Dietary and Hormonal Regulation of Pancreatic Digestive Enzymes	Patsy M. Brannon	Harvard Medical School ca. 1995-97		
Hoffman, Allan S.	Prof. of Bioengineering, Univ. of Washington		ScD, Chemical Engineering, MIT, 1957	The Mechanism of Graft Polymerization by High Energy Irradiation	Edward W. Merrill, Edwin R. Gilliland			
Hollinger, Jeffrey O.	Prof. of Biomedical Engineering, Carnegie Mellon Univ., 2000 to date	Oregon Health Sciences Univ., 1993-2000	DDS, Univ. of Maryland, 1973; PhD, Univ. of Maryland at Baltimore, 1983	Facilitation of Osseous Healing by a Proteolipid-Copolymer Matieral				
Hollister, Scott J.	Assoc. Prof. of Biomedical Engineering, Univ. of Michigan, 1991 to date		PhD, Bioengineering, Univ. of Michigan, 1991	Homogenization Analysis of Trabecular Bone and Prediction of Bone Ingrowth Using Topology Optimization	Steven A. Goldstein		Robert Guldberg (1995)	
Hu, Wei-Shou	Professor, Chemical Engineering and Materials Science, Univ. of Minnesota, 1983 to date		PhD, Nutrition and Food Science, MIT, 1984	Quantitative and Mechanistic Analysis of Mammalian Cell Cultivation on Microcarriers	Daniel I.C. Wang			

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Huard, Johnny	Prof. of Orthopedic Surgery, Univ. of Pittsburgh		PhD, Universite Laval, 1993	La Dystrophie Musculaire de Duchenne: Localisation de la Dystrophine dans le Systeme Nerveux et Recherche sur la Mise au Point d'un Traitement pour les Patients DMD	Jacques P. Tremblay			
Hubbell, Jeffrey A.	Prof. of Biomedical Engineering, ETH Zurich, 1997 to date	Univ. of Texas at Austin, 1986-94; California Institute of Technology, 1995-97	PhD, Chemical Engineering, Rice Univ., 1986	Visualization and Analysis of Mural Thrombogenesis	Larry V. McIntire		William R. Wagner (1991); Jennifer L. West (1996); Donald L. Elbert (1997); Shelly E. Sakiyama-Elbert (2000)	Weiyuan John Kao (1996-98)
Hubel, Allison	Assist. Prof., Dept. of Laboratory Medicine and Pathology, Univ. of Minnesota		PhD, Mechanical Engineering, MIT, 1989	Directional Solidification for the Freezing of Cell Suspensions	Ernest G. Cravalho			
Humes, H. David	Prof. of Internal Medicine, Univ. of Michigan, 1979 to date		MD, Univ. of California, San Francisco, 1973					
Hung, Clark T.	Assist. Prof. of Biomedical Engineering, Columbia Univ.		PhD, Bioengineering, Univ. of Pennsylvania, 1995	Real-Time Calcium Response to Fluid Flow in Cultured Bone Cells	Solomon R. Pollack			
Ingber, Donald E.	Prof. of Pathology, Harvard Medical School		MD, Yale Univ.; PhD, Cell Biology, Yale Univ., 1984	Basement Membrane Polarizes Epithelial Cells and Its Loss Can Result in Neoplastic Disorganization		Judah Folkman, HMS/ Children's Hospital, late '80s-early 90s	Christopher S. Chen (1997)	

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Ishaug-Riley, Susan	Advanced Tissue Sciences; now ?		PhD, Chemical Engineering, Rice Univ., 1996	Bone Formation by Three-Dimensional Osteoblast Culture in Biodegradable Poly(a-Hydroxy Ester) Scaffolds	Antonios G. Mikos			
Johnson, Peter C.	Chairman and CEO, Tissue Informatics, Inc.	Univ. of Pittsburgh, 1989-98	MD, SUNY Health Sciences Center Syracuse, 1980			Thrombosis, cell biology and biomaterials, Edwin Salzman, Harvard Medical School, 1982-85		
Kao, Weiyuan John	Assist. Prof. of Biomedical Engineering, Univ. of Wisconsin, Madison		PhD, Macromolecular Sciences, Case Western Reserve Univ., 1996	Biomechanisms of Giant Cell Formation and Leukocyte Adhesion on Polyurethanes	James M. Anderson	Jeffrey A. Hubbell, California Institute of Technology and Swiss Federal Institute of Technology, 1996-98		
Karlsson, Jens O.M.	Assoc. Prof. of Mechanical Engineering, Georgia Tech, 2002 to date	Univ. of Chicago, 1996? - 2002	PhD, Mechanical Engineering, MIT, 1994	Non-Equilibrium Phase Transformations of Intracellular Water: Applications to the Cryopreservation of Living Cells	Ernest G. Cravalho; Mehmet Toner			
Katz, Adam J.	Assist. Prof. of Plastic Surgery, Univ. of Virginia		MD, Univ. of Michigan, 1993			Plastic surgery training, Univ. of Pittsburgh		
Keaveny, Tony	Assoc. Prof. of Mechanical Engineering and Bioengineering, Univ. of California, Berkeley, 1993 to date		PhD, Mechanical Engineering, Cornell Univ., 1991	A Finite Element Analysis of Load Transfer and Relative Motion for Contemporary Cementless Hip Implants in the Short and Long-Terms		Orthopedic Biomechanics Laboratory, HMS/Beth Israel Hospital, 1990-93		

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Kohn, David H.	Assoc. Prof. of Biologic and Materials Sciences, Univ. of Michigan School of Dentistry, 1989 to date		PhD, Bioengineering, Univ. of Pennsylvania, 1989	Mechanisms of Fatigue Failure in Porous Coated Ti-6Al-4V Implant Alloy	Paul Ducheyne	Bioengineering, Univ. of Pennsylvania, 1984-89		
Kohn, Joachim B.	Prof. of Chemistry, Rutgers Univ.		PhD, Weizmann Institute, 1983	The Chemistry of the Interaction of Cyanogen Bromide with Polysaccharide Resins	Meir Wilchek			
Ku, David N.	Prof. of Mechanical Engineering, Georgia Tech, 1986 to date		MD, Emory Univ., 1984; PhD, Georgia Tech, 1983	Hemodynamics and Atherogenesis at the Human Carotid Bifurcation	Don P. Giddens			Naomi C. Chesler (1996-98)
Kumta, Prashant N.	Prof. of Materials Science and Engineering, Carnegie Mellon Univ., 1990 to date		PhD, Univ. of Arizona, 1990	Synthesis and Structural Investigations of Infrared Transmitting Materials in Rare Earth Chalcogenide Systems				
Landis, William J.	Prof. of Biochemistry and Molecular Pathology, Northeast Ohio Universities College of Medicine, 1998 to date		PhD, Biology, MIT, 1972	Macromolecular Interactions in Systems Containing Bovine Fibrinogen and Thrombin	David F. Waugh			

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Langer, Robert S.	Prof. of Chemical Engineering, MIT, 1977 to date		ScD, Chemical Engineering, MIT, 1974	Enzymatic Regeneration of ATP	Clark K. Colton, Michael Archer	Judah Folkman, HMS/Children's Hospital, ca. 1974-77	Elazer R. Edelman (1984); Cato T. Laurencin (1987); W. Mark Saltzman (1987); Lisa E. Freed (1988); David J. Mooney (1992); Joyce Y. Wong (1994); Michael J. Yaszemski (1995); Jennifer H. Elisseeff (1999); Guillermo A. Ameer (1999)	Kam W. Leong (late 1980s); Linda G. Griffith (ca. 1988-90); Peter X. Ma (1993-96); Christine E. Schmidt (1994-96); Kristi S. Anseth (1995-96); Michael V. Pishko (1995-96); Laura E. Niklason (1995-98?); Surya K. Mallapragada (summer 1996); Venkatram Prasad Shastri (ca. 1998-2000); Guillermo A. Ameer (ca. 1999-2002?); David M. Lynn (1999-2002)
Lanza, Robert P.	VP of Medical and Scientific Development, Advanced Cell Technology, 1999 to date	BioHybrid Technologies, 1993-99?	MD, Univ. of Pennsylvania, 1983					

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LaPlaca, Michelle C.	Assist. Prof. of Biomedical Engineering, Georgia Tech		PhD, Bioengineering, Univ. of Pennsylvania, 1996	Deformation Response and Cytosolic Calcium Increases in Ntera2 Neurons Subjected to Traumatic Levels of Hydrodynamic Shear Stress	Lawrence E. Thibault			
Lauffenburger, Douglas A.	Prof. of Chemical Engineering, Bioengineering and Environmental Health, MIT, 1995 to date	Univ. of Pennsylvania, 1979-90; Univ. of Illinois, 1990-94	PhD, Chemical Engineering, Univ. of Minnesota, 1979	Effects of Motility and Chemotaxis in Cell Population Dynamical Systems			Robert T. Tranquillo (1986); Helen M. Buettner (1987); Paul A. DiMilla (1991); Christine E. Schmidt (1995); Sean P. Palecek (1998); David V. Schaffer (1998); Anand R. Asthagiri (2000)	Peter W. Zandstra (1997-98); Fred D. Allen (1997-2000)
Laurencin, Cato T.	Prof. of Chemical Engineering, Drexel Univ.		MD; PhD, Applied Biological Sciences, MIT, 1987	Novel Bioerodible Polymers for Controlled Release Analyses of in Vitro / in Vivo Performance and Characterizations of Mechanism	Robert S. Langer			Helen H. Lu (ca. 1998-2001)
LeDoux, Joseph M.	Assist. Prof. of Bioengineering, Georgia Tech		PhD, Chemical Engineering, Rutgers Univ., 1998	Analysis of Retrovirus Production and Transduction	Martin L. Yarmush	Yarmush, Morgan et al., Laboratory of Surgical Science and Engineering, HMS/Shriners Burns Institute, 1998-99		