

Mitsuo Ikebe
August 2025 - August 2026
Professor
(903)877-7785
mitsuo.ikebe@uthct.edu

CONTACT INFORMATION

104.1 Biomedical Research
11937 US Hwy 271
Tyler, Texas 75708

DEGREES

1982	Ph.D., Biochemistry and Biology, Osaka University, Suita, Osaka, Japan
1977	M.Sc., Biochemistry, Tokyo Institute of Technology, Meguro City, Tokyo, Japan
1975	B.Sc., Chemistry and Biochemistry, Tokyo Institute of Technology, Meguro City, Tokyo, Japan Dissertation: Smooth Muscle Myosin - Identical Two-Headed Structure and Phosphorylation

POST-GRADUATE TRAINING

Post-Baccalaureate , Tokyo Research Institute of Kyowa Hakko Pharmaceutical Co., Research Scientist, Japan, April 1977, March 1979
Post-Doctorate, Department of Nutrition and Food Science, University of Arizona, Research Associate, Tucson, Arizona, United States, July 1982, March 1985

ACADEMIC APPOINTMENTS

Research Assistant Professor, Department of Nutrition and Food Science, University of Arizona, Tucson, Arizona, Tenure (if applicable): Not Tenured, 1985-04-01, 1986-06-30
Assistant Professor, Department of Physiology and Biophysics, Case Western Reserve University School of Medicine, Cleveland, Ohio, Tenure (if applicable): Not Tenured, 1986-07-01, 1990-06-30
Associate Professor, Department of Physiology and Biophysics, Case Western Reserve University School of Medicine, Cleveland, Ohio, Tenure (if applicable): Tenured, 1990-07-01, 1995-01-31
Professor, Department of Physiology and Biophysics, Case Western Reserve University School of Medicine, Cleveland, Ohio, Tenure (if applicable): Tenured, 1995-01-01, 1995-10-31
Professor, Department of Physiology, University of Massachusetts Medical School, Worcester, Massachusetts, Tenure (if applicable): Tenured, 1995-11-01, 2010-09-30
Professor, Department of Microbiology and Physiological Systems, University of Massachusetts Medical School, Worcester, Massachusetts, Tenure (if applicable): Tenured, 2010-09-01, 2013-10-31
Professor, CMB, UT Tyler School of Medicine, 2013-11-04, 2029-08-31

ADMINISTRATIVE APPOINTMENTS

Chair, Cellular & Molecular Biology, SOM, 2013-11-04, 2024-08-31

Vice Chair, Department of Physiology, University of Massachusetts Medical School, Worcester, Massachusetts, 2007-04-01, 2010-09-30

PROFESSIONAL MEMBERSHIPS

International

April 2014 - Ongoing

American Thoracic Society [Responsibility: Member]

April 1986 - Ongoing

American Society for Cell Biology [Responsibility: Member]

April 1983 - Ongoing

American Biophysical Society [Responsibility: Member]

SERVICE ON COMMITTEES

UTTSOM

December 2025 - Ongoing

Integrated Biomedical Sciences Ph. D. program admission committee [Responsibility: Chair]

April 2024 - Ongoing

Integrated Biomedical Sciences Ph. D. program Curriculum Committee [Responsibility: Chair]

March 2024 - Ongoing

DICE Grant Program Committee [Responsibility: Member]

April 2018 - Ongoing

Junior Faculty Advisory Committee [Responsibility: Chair]

April 2014 - Ongoing

Biotechnology Master of Science Program Assessment Committee [Responsibility: Member]

Biotechnology Master of Science Graduate Program Admission Committee [Responsibility: Chair]

Biotechnology Master of Science Program Curriculum Committee [Responsibility: Member]

Faculty Recruitment Committee [Responsibility: Chair]

TEACHING ACTIVITIES

Title	Setting	Level of Learner	Number of Learners	Contact Hours	Type of Learning Activity	Teaching Methods	Start Month	End Month
IBMS 6198 Student Seminar	Course	Doctoral/Master	4		Series	Seminar/Journal Club/Grand Rounds, One-to-one, Laboratory/Research Preceptor	January 2026	Ongoing
BIOT6312 Biotechnology II	Lab	Doctoral/Master	7		Series	Laboratory	January 2026	Ongoing
BIOT5222 Advanced Metabolism	Course	Doctoral/Master	5		Series	Lecture	January 2026	Ongoing
BIOT5222L Advanced Metabolism Lab	Lab	Doctoral/Master	5		Series	Laboratory	January 2026	Ongoing
BIOT6101 Student Seminar	Course	Doctoral/Master	5		Series	Seminar/Journal Club/Grand Rounds	January 2026	Ongoing
BIOT6101 Student Seminar	Course	Doctoral/Master	7		Series	Seminar/Journal Club/Grand Rounds	January 2026	Ongoing
BIOT5101 Student Seminar	Course	Doctoral/Master	5		Series	Seminar/Journal Club/Grand Rounds	August 2025	December 2025
BIOT5101 Student Seminar	Course	Doctoral/Master	5		Series	Seminar/Journal Club/Grand Rounds	August 2025	December 2025
BIOT6101 Student Seminar	Course	Doctoral/Master	7		Series	Seminar/Journal Club/Grand Rounds	August 2025	December 2025
IBMS6198 Student Seminar	Course	Doctoral/Master	4		Series	Seminar/Journal Club/Grand Rounds	August 2025	December 2025
BIOT6336 Biophysical Chemistry	Lab	Doctoral/Master	7		Series	Laboratory	May 2025	August 2025

CURRICULUM DEVELOPMENT

Curriculum Name/Topic	Your Role and Degree of Responsibility	Curriculum Length	Level of Learner	Number of Learners	Start Month	End Month
BIOT6332 Thesis Writing	Advisor	Course/Clerkship	Doctoral/Master	1	January 2026	Ongoing
BIOT6332 Thesis Writing	Consultant	Course/Clerkship	Doctoral/Master	2	January 2026	Ongoing
IBMS 6310 Genetic Manipulation and Gene Editing	Advisor	Course/Clerkship	Doctoral/Master	4	August 2025	December 2025
IBMS Computational Biology and Bioinformatics	Advisor	Course/Clerkship	Doctoral/Master	4	August 2025	December 2025
BIOT6331 Thesis Research	Advisor	Course/Clerkship	Doctoral/Master	1	August 2025	December 2025
BIOT6331 Thesus Research	Consultant	Course/Clerkship	Doctoral/Master	2	August 2025	Ongoing
IBMS6300 Computational biology and bioinformatics	Developer	Course/Clerkship	Doctoral/Master	4	August 2024	Ongoing
IBMS6310 Genetic manipulation and gene editing	Developer	Course/Clerkship	Doctoral/Master	4	August 2024	Ongoing
INtegrated Biomedical Sciences Ph. D. Program	Developer	Entire Program	Doctoral/Master	4	January 2024	Ongoing

ADVISING/MENTORING/COACHING

Name of Individual	Level of Training	Purpose/Objective	Mentoring/Advising Activities	Start Month	End Month
Parsa Torabi	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2026	Ongoing
Tomoki Omachi	Fellow or Post-Doc	Scholarly work	Formal, Research mentor/advisor/coach	March 2025	Ongoing
Christiana Okeke	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2025	Ongoing
Sudishna Khanal	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2025	Ongoing
Uday Siva Naga Sankar Allamneni	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2025	Ongoing
Eunji Choi	Fellow or Post-Doc	Scholarly work	Formal, Research mentor/advisor/coach	April 2024	Ongoing
Venkatesh Abburi	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2024	Ongoing
Hema Chandra Dusharia	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2024	Ongoing
Allison Gonzalez	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	January 2024	Ongoing
Maolin Lu	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	September 2020	Ongoing
Guoqing Qian	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	October 2019	Ongoing
Xia Guo	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	September 2019	Ongoing
Nagarjun Konduru	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	October 2018	Ongoing
Tsuyoshi Sakai	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	December 2013	Ongoing
Osamu Sato	Faculty/Professional Colleague	Scholarly work	Formal, Research mentor/advisor/coach	November 2013	Ongoing

EDUCATIONAL LEADERSHIP AND ADMINISTRATION

April 2024 - Ongoing

Director of Integrated Biomedical Science Ph. D. Program Unit/Location: Department of Cellular and Molecular Biology/School of Medicine, Your Role: Appointed

November 2013 - Ongoing

Professor and Chairman, Unit/Location: Department of Cellular and Molecular Biology/School of Medicine, Your Role: Appointed

GRANTS

Funded - In Progress

Federal

Myocardin in the pathogenesis of pleural remodeling, Funded by NIH (July 1, 2019 - June 30, 2024), awarded July 1, 2019 **\$1,972,395.00**, Funded - In Progress, April 2024, PI Mitsuo Ikebe [Type of Grant: Research]

RUNX3 in vascular wall remodeling, Funded by NIH (January 1, 2024 - December 31, 2028), awarded January 1, 2024 **\$2,250,000.00**, Funded - In Progress, April 2024, CoInvestigator Mitsuo Ikebe (5%) [Type of Grant: Research]

Submitted for Review

Federal

Mesothelial Cell Plasticity in the Pathogenesis and Treatment of Pleural Fibrosis Funded by NIH (December 1, 2026 - November 30, 2031), awarded December 1, 2026, Submitted for Review, February 2026, Multiple PI Mitsuo Ikebe (30%) [Type of Grant: Research]

Phenotypic plasticity of pleural mesothelial cells and the development of pleural fibrosis Funded by NIH (July 1, 2026 - June 30, 2030), awarded July 1, 2026, Submitted for Review, November 2025, PI Mitsuo Ikebe (30%) [Type of Grant: Research]

Myocardin dependent cytoskeletal remodeling and MesoMT, Funded by NIH (December 1, 2025 - November 30, 2030) **\$2,595,125.00**, Submitted for Review, February 2025, PI Mitsuo Ikebe (30%) [Type of Grant: Research]

SCHOLARLY CONTRIBUTIONS AND CREATIVE PRODUCTIONS

Conference Proceedings

Completed/Published

Peer-reviewed

1. Ikebe, M. (2022). Myosin VB transports fibronectin containing vesicles and facilitates fibronectin secretion from human pleural mesothelial cells. *American Journal of Respiratory and Critical Care Medicine*, 205, A1968.

Accepted

Peer-reviewed

2. Ikebe, M. (2026, May). Factor Xa and myocardin dependent activation of KIF20A controls secretion of extracellular matrix proteins from human pleural mesothelial cells. *American Journal of Respiratory and Critical Care Medicine*