

Shiva Keshava Gaddam Bala Krishna
August 2025 - August 2026
Assistant Professor
shivakeshava.gaddam@uthct.edu

CONTACT INFORMATION

LabA6 Room No.209.3
11937 US HWY 271
Tyler, Texas 75708

DEGREES

2010	Ph.D., Life Sciences (Medical Microbiology), Jawaharlal Nehru University (Central Drug Research Institute, Lucknow), New Delhi, Delhi, India
2003	M.Sc., Molecular Biology and Biotechnology (Agriculture), Gobind Ballabh Pant University of Agriculture & Technology, Pantnagar, Uttarakhand, India
2000	B.Sc., Agriculture, Acharya N.G. Ranga Agricultural University, Rajendranagar, Hyderabad., Telengana, India

POST-GRADUATE TRAINING

Post-Doctorate, University of Texas Health Science Centre at Tyler, Coagulation biology and Pleural Injury, Thrombosis and hemostasis, Inflammation, Pleural injury, Hemophilia, and Cancer biology, Tyler, Texas, United States, September 2009, August 2016

ACADEMIC APPOINTMENTS

Assistant Professor, Department of Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, Tenure (if applicable): Not Applicable, 2020-07-01
Instructor, Department of Cellular and Molecular Biology, University of Texas Health Science Center at Tyler, Tyler, Texas, Tenure (if applicable): Not Applicable, 2016-09-01, 2020-06-30

PROFESSIONAL MEMBERSHIPS

International

April 2025 - Ongoing

International Society on Thrombosis and Hemostasis Associate member [Responsibility: Member]

October 2020 - Ongoing

American Thoracic Society [Responsibility: Member]

TEACHING ACTIVITIES

Title	Setting	Level of Learner	Number of Learners	Contact Hours	Type of Learning Activity	Teaching Methods	Start Month	End Month
IBMS6315-"Transmembrane Signaling and Gene Regulation".	Course	Doctoral/Master	4	6	Series	Lecture, Small Group (e.g.: Case-based discussion), One-to-one, Laboratory/Research Preceptor	July 2026	Ongoing
BIOT 5211/BIOT 5211L- "Advanced Biotechniques course"	Course, Lab	Doctoral/Master	5	11	Series	Lecture, Laboratory	December 2025	Ongoing
BIOT 5132- "Critical Reading II"	Course	Doctoral/Master	10	1	Single Session	Lecture, Small Group (e.g.: Case-based discussion)	October 2023	Ongoing

ADVISING/MENTORING/COACHING

Name of Individual	Level of Training	Purpose/Objective	Mentoring/Advising Activities	Start Month	End Month
Javier Lopez	Doctoral	Scholarly work	Formal, Research mentor/advisor/coach	August 2026	Ongoing

GRANTS

Funded - In Progress

Federal

The role of Gab2-MALT1-mediated cell signaling in venous thrombogenesis, Funded by NIH/NHLBI (August 1, 2024 - April 1, 2028), awarded May 10, 2024 (**\$1,669,976.00**), Funded - In Progress, August 2024, CoInvestigator Shiva Keshava Gaddam (25%) [Type of Grant: Research]

Factor VIIa-released extracellular vesicles: Their role in hemostasis and beyond, Funded by NIH/NHLBI (April 1, 2024 - March 31, 2028), awarded March 8, 2024 (**\$1,822,304.00**), Funded - In Progress, April 2024, CoInvestigator Shiva Keshava Gaddam Bala Krishna (25%) [Type of Grant: Research]

SCHOLARLY CONTRIBUTIONS AND CREATIVE PRODUCTIONS

Journal Article

Completed/Published

Additional Activities

- Chatterjee, M., Keshava, S., Dhara, P., Kavadiipula, P., Mukherjee, T., Paul, S., Chatterjee, A., Maitra, A., Uddand Rao, V. V. S., Das, K., & Rao, L. V. M. (2026). Thrombin Concentration Shapes Endothelial Extracellular Vesicle Profiles with Divergent Inflammatory Functions. *Blood Advances*.
- Kavadiipula, P., Keshava, S., Das, K., Magisetty, J., DeJong, C., Penchalaneni, J., Pendurthi, U. R., & Rao, L. V. M. (2026). Factor VIIa-released extracellular vesicles attenuate joint bleed-induced hemophilic arthropathy. *Blood*, 147(3), 299–311.
- Das, K., Qin, W., Jeffers, A., Owens, S., Destarac, L., Idell, S., Rao, L. V. M., Tucker, T. A., & Keshava, S. (2025). Extracellular Vesicles Contribute to the Pathophysiology and Progression of Pleural Fibrosis by Promoting Mesothelial-to-Mesenchymal Transition and Neoangiogenesis. *American Journal of Respiratory Cell and Molecular Biology*, 73(6), 938–950.
- Jeffers, A., Owens, S., Qin, W., Durojaye, O., Florence, M., Okeke, P., Destarac, L., Keshava, S., Ikebe, M., Idell, S., & Tucker, T. A. (2025). The Role of Tuftelin-

1 in Mesomesenchymal Transition of Pleural Mesothelial Cells and the Progression of Pleural Fibrosis. *American Journal of Respiratory Cell and Molecular Biology*, 73(3), 441–450.

PROFESSIONAL DEVELOPMENT

May 2026 - May 2051

Poster Presentation at International Conference., ATS 2026 International Conference by American Thoracic Society., Orlando, Florida., Description: "The Multiple Faces Of S6k: More Than A Regulator Of Translation"

April 2026 - April 2026

Oral Presentation at Regional Conference., Gulf Coast Vascular Research Consortium conference, by Gulf Coast Consortia., Shreveport, Louisiana., Description: "ApoE4 Promotes Thrombosis via ApoER2 and PP2A Activation in Endothelial Cells"

October 2025 - November 2025

Invited Talk at International Conference., Texas branch American Society of Microbiology (TxASM)., Tyler, Texas., Description: "Modeling Pleural Fibrosis in Mice: Mechanistic Insights and Translational Potential. "

September 2025 - September 2025

Invited Talk at International Conference., Southern Biomedical Engineering Conference (SBEC) 41st Annual meetingby by SBEC Steering Committee, Tyler, Texas., Description: "Novel Mechanisms in Pleural Fibrosis: Role of coagulation protease-induced extracellular vesicles."