

Vijaya M Lella
August 2025 - August 2026
Professor
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CONTACT INFORMATION

903-877-7332 Biomedical Research
11937 US Highway 271
Tyler, Texas 75703

DEGREES

1981	Ph.D., Life Sciences, Jawaharlal Nehru University, New Delhi, India
1979	M.Phil., Life Sciences, Jawaharlal Nehru University, New Delhi, India
1977	M.Sc., Genetics, Osmania University, Hyderabad, A.P., India
1975	B.Sc., Chemistry, Zoology, S.S.R. & J College, Khammam, A.P., India

POST-GRADUATE TRAINING

Post-Doctorate, The University of California San Diego Medical Center, Hematology, Blood Coagulation, San Deigo, California, United States, January 1983, August 1985
Post-Doctorate, The University of California, San Diego, Biology, La Jolla, California, United States, October 1981, December 1982

ACADEMIC APPOINTMENTS

Assistant Biochemist, Department of Medicine, The University of California, San Diego, San Diego, California, Tenure (if applicable): Not Applicable, 1985-09-01, 1989-08-31
Associate Biochemist, Department of Medicine, The University of California, San Diego, San Diego, California, Tenure (if applicable): Not Applicable, 1989-09-01, 1993-08-15
Associate Professor, Department of Biochemistry, The University of Texas Health Science Center at Tyler, Tyler, Texas, Tenure (if applicable): Not Applicable, 1993-08-16, 1996-08-31
Professor, Department of Cellular & Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, Tenure (if applicable): Tenured, 1993-08-23, 2031-08-31

PROFESSIONAL MEMBERSHIPS

International

September 1993 - Ongoing

- American Society of Hematology [Responsibility: Member]
- International Society of Thrombosis and Haemostasis[Responsibility: Member]

SERVICE ON COMMITTEES

UTT

September 2023 - Ongoing

- Institutional Animal Care and Use Committee[Responsibility: Member]
- Radiation Safety [Responsibility: Member]
- Research Integrity [Responsibility: Member]
- Intellectual Property Advisory [Responsibility: Member]

UTTSOM

September 2023 - Ongoing

- Faculty Search Committee [Responsibility: Member]
- Junior Faculty Mentoring [Responsibility: Member]

TEACHING ACTIVITIES

Title	Setting	Level of Learner	Number of Learners	Contact Hours	Type of Learning Activity	Teaching Methods	Start Month	End Month
Advanced Metabolism	Course	Post Graduate	9		Series	Lecture	September 2024	Ongoing
Advanced Metabolism Lab	Lab	Doctoral/Master	7		Series	Laboratory	September 2024	Ongoing
Guidelines on Imaging in Science	Course	Doctoral/Master	7		Single Session	Lecture	September 2024	Ongoing
	Other	Post Graduate	3		Series	Other	September 2023	Ongoing

ADVISING/MENTORING/COACHING

Name of Individual	Level of Training	Purpose/Objective	Mentoring/Advising Activities	Start Month	End Month
Venkat Akhil Devabakthuni	Graduate	Scholarly work	Student career advising/coaching, Research mentor/advisor/coach	March 2025	Ongoing
Venkat Kiran Mandelm	Fellow or Post-Doc	Scholarly work	Informal, Formal, Research mentor/advisor/coach	February 2025	Ongoing
Pavan SR	Fellow or Post-Doc	Scholarly work	Informal, Formal, Research mentor/advisor/coach	January 2025	Ongoing
Ankith Sherapura	Fellow or Post-Doc	Scholarly work	Informal, Formal, Research mentor/advisor/coach	March 2024	Ongoing
Narendra Gonepudi	Graduate	Scholarly work	Research mentor/advisor/coach, Educational mentor/advisor/coach	September 2023	Ongoing
Andy Omeje	Graduate	Scholarly work	Research mentor/advisor/coach, Educational mentor/advisor/coach	September 2023	Ongoing
Ann Francis	Graduate	Scholarly work	Research mentor/advisor/coach	March 2023	Ongoing
Ann Francis	Graduate	Scholarly work	Research mentor/advisor/coach	March 2023	Ongoing
Padmavathi Kavadiipula	Doctoral	Scholarly work	Informal, Formal, Research mentor/advisor/coach	September 2022	Ongoing
Shiva Keshava Gaddam	Faculty/Professional Colleague	Career advancement of individual	Informal, Research mentor/advisor/coach	September 2022	Ongoing

GRANTS

Funded - In Progress

Federal

Factor VIIa-released extracellular vesicles: Their role in hemostasis and beyond., Funded by NHLBI (March 15, 2024 - February 29, 2028), awarded March 8, 2024 (**\$2,647,351.00**), Funded - In Progress, April 2025, PI Vijaya Lella (30%) [Type of Grant: Research]

Membrane Phospholipids: The Key Regulators of Tissue Factor Encryption/Decryption, Funded by NHLBI (May 1, 2020 - April 30, 2024), awarded April 30, 2020 (**\$1,828,102.00**), Funded - In Progress, April 2025, PI Vijaya Lella (30%) [Type of Grant: Research]

Renal endothelium and the development of chronic kidney disease in sickle cell disorders, Funded by NIDDK (March 15, 2023 - January 31, 2027), awarded August 13, 2023 (**\$2,605,916.00**), Funded - In Progress, April 2025, CoInvestigator Vijaya Lella (5%) with PI Samit Ghosh [Type of Grant: Research]

Tissue Factor's Role in the Pathogenesis of Hypercoagulability in COVID-19 Funded by NIAID (March 1, 2022 - February 28, 2024), awarded February 28, 2022 (**\$404,250.00**), Funded - In Progress, April 2025, PI Vijaya Lella (12.5%) [Type of Grant: Research]

The Role of Gab2 Signaling in Thromboinflammation, Funded by NIAID (February 10, 2022 - January 31, 2024), awarded February 10, 2022 **\$404,250.00**, Funded - In Progress, April 2025, PI Vijaya Lella (5%) [Type of Grant: Research]

Factor VIIa-released extracellular vesicles: Their role in hemostasis and beyond Funded by NIH/NHLBI (March 15, 2024 - February 29, 2028), awarded March 8, 2024 (**\$2,715,232.00**), Funded - In Progress, April 2025, PI Vijaya Lella [Type of Grant: Research]

The Role of Gab2-MALT1-mediated cell signaling in venous thrombogenesis, Funded by NIH/NHLBI (July 15, 2024), awarded July 15, 2024 **\$2,568,196.00**, Funded

- In Progress, April 2025, PI Vijaya Lella [Type of Grant: Research]

Membrane Phospholipids: The Key Regulators of Tissue Factor Encryption/Decryption, Funded by NIH/NHLBI (September 1, 2015), Funded - In Progress, January 2025, PI Vijaya Lella [Type of Grant: Research]

Tissue Factor's Role in the Pathogenesis of Hypercoagulability in COVID-19 Funded by NIH/ (March 1, 2022), Funded - In Progress, January 2025, PI Vijaya Lella [Type of Grant: Research]

The Role of Gab2 Signaling in Thromboinflammation, Funded by NIH/NIAID (February 10, 2022), Funded - In Progress, January 2025, PI Vijaya Lella [Type of Grant: Research]

Renal endothelium and the development of chronic kidney disease in sickle cell disorders Funded by NIH/NIDDK (March 15, 2023), Funded - In Progress, January 2025, CoInvestigator Vijaya Lella [Type of Grant: Research]

SCHOLARLY CONTRIBUTIONS AND CREATIVE PRODUCTIONS

Journal Article

Completed/Published

Peer-reviewed

1. Kavadiyula, 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.
2. 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.