

## Curriculum Vitae: 2024

Dr. Bhooma Srinivasan

### Education

Doctor of Philosophy in Biomedical Sciences, University of North Texas HSC, Fort Worth, Texas  
Post-Doctoral Research Fellowship, University of Texas Southwestern Medical Center, Dallas, TX

### Teaching Experience

2022-Present Adjunct Faculty, Dept. of Natural Sciences  
University of North Texas at Dallas, Dallas, Texas

2023-Present Adjunct Faculty, Dept. of Biology  
Texas Woman's University, Denton, Texas

### Professional Publications and/or Creative Achievements

1. Lee SF, **Srinivasan B**, Yu G (2011) Gamma-secretase-regulated Proteolysis of the Notch Receptor by Mitochondrial Intermediate Peptidase. *J. Biol. Chem.* 286(31): 27447-27453.
2. **Srinivasan B**, Wang Z, Brun-Zinkernagel AM, Collier RJ, Black RA, Frank SJ, Barker PA, Roque RS (2007) Photic injury promotes cleavage of p75NTR by TACE and nuclear trafficking of the p75 intracellular domain. *Mol Cell Neurosci.* 36(4): 449-61.
3. Sheedlo H, Bartosh T, Wang Z, **Srinivasan B**, Brun-Zinkernagel AM, Roque RS (2007) RPE-derived factors modulate photoreceptor differentiation: A possible role in the retinal stem cell niche. *In Vitro Cell Dev Biol Anim.* 43(10): 361-70.
4. **Srinivasan B**, Roque CH, Hempstead BL, and Roque RS (2004) Microglia-derived pro-nerve growth factor promotes photoreceptor cell death via p75 neurotrophin receptor. *J. Biol. Chem.* 279: 41839 - 41845.
5. Taylor S, **Srinivasan B**, Wordinger RJ, and Roque RS (2003) Glutamate stimulates neurotrophin expression in cultured Müller cells. *Molec. Brain Res.* 111:189-197.
6. Sheedlo HJ, **Srinivasan B**, Brun-Zinkernagel AM, Roque CH, Lambert W, Wordinger RJ, and Roque RS (2002) Expression of p75NTR in photoreceptor cells of dystrophic rat retinas. *Molec. Brain Res.* 103:71-79.
7. Jingjing L, **Srinivasan B** and Roque RS (2001) Ectodomain shedding of VEGF183, a novel isoform of vascular endothelial growth factor, promotes its mitogenic activity in vitro. *Angiogenesis* 4:103-112.
8. Jingjing L, **Srinivasan B**, Bian X, Downey HF and Roque RS (2000) Vascular endothelial growth factor is increased following coronary occlusion in the dog heart. *Molec. Cell. Biochem.* 21:23-30.
9. **Bhooma V**, Sulochana KN, Biswas J and Ramakrishnan S (1997) Eales' disease: Accumulation of reactive oxygen intermediates and lipid peroxides and decrease of antioxidants causing inflammation, neovascularization, and retinal damage. *Curr. Eye Res.* 16: 91-95.

10. Sulochana KN, Ramakrishnan S, Mahesh L, **Bhooma V** and Punitham R (1997) Clinical and biochemical heterogeneity in gyrate atrophy of the choroids and retina and possible role of polyamines. *Insight* 15: 41-47.
11. Ramakrishnan S, Sulochana KN, Vasanthi SB, Arunagiri K, **Bhooma V**, Punitham R and Ganesh SK (1996) Hypoparathyroidism, hypocalcemia, accumulation of calcium in the lens and developmental cataract. *Insight* 14, 50-52.
12. Sulochana KN, **Bhooma V**, Madhavan HN, Ramakrishnan S and Biswas A (1995) High performance liquid chromatographic method for simultaneous determination of ampicillin and sulbactam in biological samples. *Indian J. Pharmacol.* 27: 189-192.

### **Professional Training**

1. An Essential Guide to AI for Educators – Certification by AI for Education, 14 Jan 2024
2. Implementing AI – Workshop by Dr. Karen Dunlap, Organized by Texas Woman's University, 12 Jan 2024
3. New Learning: Principles and Patterns of Pedagogy – University of Illinois at Urbana-Champaign, Certified Online Course through Coursera, Dec 2023
4. How Can Media Richness Theory and Social Presence Theory Improve My Instruction? – Magna Publishing through Center for Faculty Excellence, Texas Woman's University, Nov 2023
5. How Can I Use Multimedia Course Content to Create a Tutoring Library for Students? – Magna Publishing through Center for Faculty Excellence, Texas Woman's University, Nov 2023
6. How Can I Introduce Creativity to My Classes to Build Connection with Students? – Magna Publishing through Center for Faculty Excellence, Texas Woman's University, Oct 2023
7. Panopto Workshop Level I Training – Center for Faculty Excellence, Texas Woman's University, Oct 2023
8. How Can I Create Assessments to Effectively Measure Student Learning? – Magna Publishing through Center for Faculty Excellence, Texas Woman's University, Sep 2023

### **Contact Information**

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