

NISHANT P. VISAVADIYA, Ph.D.

Assistant Director, Research Programs | Core Scientist & Laboratory Manager
Exercise Biochemistry Laboratory | Department of Exercise Science & Health Promotion (ESHP)
Florida Atlantic University (FAU)
(Office): 561-297-3752 | E-mail: nvisavadiya@fau.edu; nishantpv@gmail.com

PROFESSIONAL SUMMARY: Biomedical research scientist with over 20 years of experience in preclinical, translational, and clinical research. Currently work as Assistant Director, Research Programs at ESHP, FAU. Experienced in developing and managing research programs, supporting interdisciplinary research, managing research funds and resources, overseeing laboratory operations and biosafety compliance, and training and supervising laboratory personnel. Published over 45 peer-reviewed papers and several presentations at scientific meetings, hold an international patent, and serve as a peer reviewer for journals and editorial boards.

RESEARCH EXPERTISE: Aging • Biomarker Development • Cancer Biology • Data Analysis & Biostatistics • Exercise Biochemistry • Metabolism • Mitochondria • Neuroscience • Nutrition • Pharmacology • Redox Biochemistry • Toxicology

PROFESSIONAL EXPERIENCE:

Assistant Director, Research Programs | Scientist & Laboratory Manager – ESHP, FAU | Aug 2024–Present

Coordinator, Research Programs | Scientist & Laboratory Manager – ESHP, FAU | Dec 2017–Aug 2024

- Manage and coordinate departmental clinical and preclinical research programs involving aging, neuroscience, metabolism, cancer, and exercise science.
- Support investigators and collaborative teams with study design, scientific evaluation, data analysis, manuscript preparation, and funding proposals.
- Oversee Exercise Biochemistry Laboratory operations, including managing research expenses, resource planning, EH&S and biosafety compliance, and providing laboratory training and supervision to personnel, students, and visiting scholars.

Assistant Research Scientist – Biodesign Institute, Arizona State University | Jan 2017–Nov 2017

- Evaluated novel anticancer and mitochondria-targeted therapeutic compounds.

Research Associate – Dept. Biomedical Sciences, East Tennessee State University | Mar 2015–Jan 2017

- Studied mitochondrial function and integrin-FAK-STAT3 signaling pathway in neuronal model.

Postdoctoral Scholar / Scientist II – SCoBIRC, University of Kentucky | Oct 2008–Mar 2015

- Conducted research on CNS therapeutics, oxidative stress, and microRNA in neurotrauma models.
- Evaluated the USF2-renin-angiotensin signaling pathway in diabetic nephropathy model.

Assistant Professor – BRD School of Biosciences, Sardar Patel University | Aug 2006–May 2008

- Designed & delivered Master's-level courses and conducted research on protein toxicity & redox biology.

KEY ACHIEVEMENTS:

- **International Patent Co-inventor:** Therapeutic compounds targeting mitochondria.
WIPO #: WO/2018/039487.
<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2018039487>
- **Scientific Publications:** Author of 45+ peer-reviewed papers and numerous scientific presentations.
<https://pubmed.ncbi.nlm.nih.gov/?term=visavadiya+NP&sort=date>
<https://scholar.google.com/citations?user=SUiTRvMAAAAJ&hl=en>
- **Professional Service:** Peer reviewer for 40+ scientific journals and editorial board member for 4 journals.

EDUCATION & TRAINING:

Postdoctoral Training, Neuroscience – University of Kentucky | 2008–2014

Ph.D., Biological Sciences (Metabolic Disease & Nutrition) – Sardar Patel University | 2006

M.Sc., Biological Sciences – Sardar Patel University | 2001

B.Sc., Biological Sciences – Saurashtra University | 1999