

Rohan U. Parekh, PhD, MS, BCMAS

KARMZ, LLC

(919) 518-3553 | rparekh936@gmail.com

EDUCATION

PhD Pharmacology and Toxicology | Brody School of Medicine

MS Chemistry | East Carolina University

BS Neuroscience | East Carolina University

BS Psychology | East Carolina University

PROFESSIONAL EXPERIENCE

**Expert Witness, Forensic Chemistry,
Pharmacology, and Toxicology**

KARMZ, LLC, Raleigh, NC

Jun 2022 – Present

Senior Manager, Global Medical Affairs

Merz Aesthetics, Raleigh, NC

Jun 2024 – Present

Scientist, Global Medical Affairs

Biomerieux, Durham, NC

Oct 2023 – Jun 2024

**Program Manager, Late Stage and
Commercial Products**

KBI Biopharma, Durham, NC

May 2022 – Oct 2023

Quality Supervisor

U.N.X., Inc., Greenville, NC

Aug 2016 – Aug 2018

Drug Safety Associate

/Pharmacovigilance Manager

QTech Solutions, Raleigh, NC

Aug 2015 – Aug 2016

Research and Development Chemist

Andor Laboratories, Morrisville, NC

Jan 2014 – Aug 2015

PUBLICATIONS

- Theobald and Parekh, et al. (2023). *Cells*. DOI:10.3390/cells12162107
- White and Parekh, et al. (2022). *Front Pharmacol*. DOI:10.3389/fphar.2022.841068
- Basulli and Parekh, et al. (2022). *Front Med Nephrol*. DOI:10.3389/fmed.2021.780834
- Parekh, et al. (2021). *Sci Rep*. DOI:10.1038/s41598-021-00522-0
- Kisling and Parekh, et al. (2021). *Front Cardiovasc Med*. DOI:10.3389/fcvm.2021.732282
- Parekh, et al. (2020). *Int J Mol Sci*. DOI:10.3390/ijms22010145

- Parekh, et al. (2019). *Cell Mol Neurobiol*. DOI:10.1007/s10571-019-00778-1
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PRESENTATIONS & PUBLIC SPEAKING

- Pharmacology and Toxicology, CO Office of Respondent Parents' Counsel, 2025
- Toxicology 101, New Jersey Public Defenders Office, 2025
- Pharmacology and Toxicology in Overdose Deaths, NACDL Conference, Durham, NC, 2025
- Intersection of Pharmacology, Toxicology, and the Law, Mississippi Public Defenders Conference, Biloxi, MS, 2024
- Applications of LC/MS in Forensic Toxicology, IDS NC, Raleigh, NC, 2024
- Intersection of Pharmacology, Toxicology, and the Law, Maryland Public Defenders Conference, Cambridge, MD, 2024
- Kinin B1 Receptor Blockade Attenuates Hypertension via Angiotensin II Mediated Signaling in Neurons, Experimental Biology, Philadelphia, PA, 2022
- Kininase I Inhibition Prevents Angiotensin II-Induced Hypertension, Experimental Biology, Philadelphia, PA, 2022
- Kinin B1 Receptor Mediates Orexin System Hyperactivity in Salt-sensitive Hypertension, AHA Hypertension, New Orleans, LA, 2020
- Kinin B1 Receptor Blockade Attenuates Hypertension via Angiotensin II Mediated Signaling in Neurons, Experimental Biology, San Diego, CA, 2020
- Kinin in Hypertensive Kidney Disease, ASN Kidney Week, 2019 (*Travel Award*)
- Kinin B1 Receptor Blockade Prevents Neuroinflammation and Oxidative Stress, 21st Annual Neuroscience Symposium, Greenville, NC, 2019
- Establishment of Method to Measure Endocannabinoid Levels, 20th Annual Neuroscience Symposium, Greenville, NC, 2018
- Examination of Supercritical CO₂-Rock Interactions in Sequestration, ECU Research & Creativity Achievement Week, Greenville, NC, 2018
- Stabilizing Commercial Starch-Based Emulsion, ECU Research & Creativity Achievement Week, Greenville, NC, 2018
- Stabilizing Emulsions for Commercial Products, ECU Research & Creativity Achievement Week, Greenville, NC, 2017
- Role of PUF-9 RNA-binding Protein in Notch Signaling, 2016
- Sensitive Method Validation for Vitamin D in Serum, 2016
- Role of PUF-9/PUF RNA-binding Protein, 29th Annual Yash P. Kataria Internal Medicine Research Day, Greenville, NC, 2016
- Role of microRNA on Germ Cell Fate Specification, 29th Annual Yash P. Kataria Internal Medicine Research Day, Greenville, NC, 2015

- Effects of Complex Learning on Hippocampal Neurogenesis, ECU Research & Creativity Achievement Week, Greenville, NC, 2015
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PROFESSIONAL ACTIVITIES

- Member, International Association of Forensic Toxicology Consultants (IAFTC)
 - Reviewer, Cardiovascular Toxicology
 - Reviewer, AJE Publishing Group
 - Reviewer, Summer Biomedical Research Program, Brody School of Medicine
 - Graduate Lab Coordinator, Department of Chemistry, East Carolina University
 - Member, Eastern Carolina Chapter, Society of Neuroscience
 - Member, Sigma Xi, The Scientific Research Honor Society
 - Member, Psi Chi, International Honor Society in Psychology
 - Member, American Chemical Society
 - Member, International Society of Pharmaceutical Engineers
 - Member, American Physiological Society
 - Member, American Society of Nephrology
 - Member, American Heart Association
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TEACHING EXPERIENCE

Brody School of Medicine, Greenville, NC

- Pharmacology Instructor for Nurses
- Toxicology Instructor for Graduate Students
- Physiology Instructor for Graduate Students

East Carolina University, Greenville, NC

- General Chemistry Lab Instructor
- Organic Chemistry Lab Instructor
- Organic Chemistry II Lab Instructor
- Quantitative and Instrumental Analysis Lab Instructor