

## **NJBDA Research Collaboration Workshop- Agenda**

Saint Peter's University – Jersey City Campus  
Dinneen Hall -1st Floor, McIntyre Room  
2641 John F. Kennedy Boulevard, Jersey City, NJ  
**February 16, 2024**

- 09:30 AM Registration & Light Refreshments**
- 10:00 AM Welcome and Opening Remarks** (NJBDA and Saint Peters University host institution)  
Forough Ghahramani, Vice President, NJBDA Research Committee  
Assistant Vice President, Research & Innovation, NJ Edge  
  
Sharath Kumar Jagannathan, Ph.D., Assistant Professor  
School of Business & Data Science Institute, Saint Peter's University
- 10:05 AM. NJBDA Updates**  
**The New Jersey Big Data Alliance (NJBDA) Annual Symposium**  
**The Journal of Big Data and AI**  
Forough Ghahramani, Assistant Vice President Research & Innovation, Edge  
Hieu Nguyen, PhD Professor, College of Science and Mathematics, Rowan University
- 10:15 AM Resources and Communities for Advancing Research Collaborations**  
Judith Sheft, Executive Director, CSIT  
Forough Ghahramani, Assistant Vice President Research & Innovation, Edge
- 10:30 AM Keynote: "*Protein Data Bank: From Two Epidemics to the Global Pandemic to mRNA Vaccines and Paxlovid*"**  
Stephen K. Burley, M.D., D.Phil.  
University Professor and Henry Rutgers Chair  
Founding Director, Institute for Quantitative Biomedicine  
Director, RCSB Protein Data Bank  
Co-Lead, Cancer Pharmacology Research Program, Cancer Institute of New Jersey  
Rutgers, The State University of New Jersey
- 11:15 AM Research collaboration opportunities – lightning presentations**
- 11:15-11:25 "*Blueberry Drone AI: Research collaboration between Rowan University and Camden County College*"**  
Hieu Nguyen, PhD, Professor, College of Science and Mathematics,  
Rowan University
- 11:25– 11:35 "*Unleashing the Power of Ontologies: From Structuring Knowledge to Ethical AI*"**

Navya Martin, Ph.D. Candidate, Department of Computer Science,  
New Jersey Institute of Technology (NJIT)

**11:35 – 11:45** *“Application of Machine learning and Deep learning to diverse challenges in Bioinformatics and Computational Biology”*

Iman Dehzang, Ph.D. Assistant Professor, Dept. of Computer Science,  
Rutgers, The State University of New Jersey

**11:45 – 11:55** *“Learning Hyperbolic Brain Network Representations for Healthy Aging Trajectories and Cognitive Decline Prediction”*

Mengjia Xu, Ph.D. Assistant Professor, Department of Data Science,  
Ying Wu College of Computing New Jersey Institute of Technology

**12:00**            **Research funding opportunity and tips for writing successful grant proposals**

Greg Monaco, Ph.D., CEO, Research Advisors

**12:30 PM**        **Working Lunch - Roundtable discussions by broad areas of research**

**AI and Machine/Deep Learning**

**Collaboration between 4-year and 2-year schools**

**Generative AI (ex: ChatGPT)**

**Healthcare/Medicine**

**Cybersecurity, Cyber infrastructure, HPC**

**Physics, Astro physics**

**Smart cities, IoT**

**Sustainability**

**Other areas of interest**

**1:15**            **Roundtable Session Reports**

**1:30 PM**        **Workshop Adjourns and Informal Networking**