



Data Science Networking Event

Wednesday, March 5, 2025 at 1:00 to 3:00 pm

Room 120, Proteomics Building, 174 Frelinghuysen Road, Piscataway (Busch Campus)

1:00 pm

Welcome

- *Stephen K. Burley, Interim Director, RAD Collaboratory and University Professor and Henry Rutgers Chair, Chemistry and Chemical Biology, School of Arts and Sciences*
- *Wendie Cohick, Vice Provost for Research, Rutgers-New Brunswick Office of the Provost*

1:10 pm

Lightning Talks from Rutgers Researchers Assembling and Managing Large Data Sets

1. **CASS: Cyberinfrastructure and AI for Science and Society**
Alyson Brooks, Associate Professor, Physics and Astronomy, School of Arts and Sciences
2. **Ensuring security and privacy of large-scale datasets: a synthetic data perspective**
Jaideep Vaidya, Distinguished Professor, Management Science and Information Systems, Rutgers Business School and Director, Rutgers Institute for Data Science, Learning, and Applications
3. **Solar Climate Intervention**
Lili Xia, Assistant Research Professor, Environmental Sciences, School of Environmental and Biological Sciences
4. **Remote Sensing of Turfgrass**
Juan Gonzalez, Postdoctoral Research Associate, Plant Biology, School of Environmental and Biological Sciences
5. **Rutgers University Center for Ocean Observing Leadership (RU-COOL) 30 Years of Coastal Ocean Data**
Hugh Roarty, Director of CODAR, Marine and Coastal Sciences, School of Environmental and Biological Sciences
6. **RU-COOL Autonomous Underwater Gliders**
Joe Gradone, Postdoctoral Research Associate, Marine and Coastal Sciences, School of Environmental and Biological Sciences
7. **Sign Language Data Science Applications**
Dimitris Metaxas, Board of Governors Professor, Computer Science, School of Arts and Sciences
8. **Socially Cognizant Robotics for a Technology Enhanced Society (SOCRATES)**
Kristin Dana, Professor, Electrical and Computer Engineering and Director, SOCRATES, School of Engineering
9. **RCSB Protein Data Bank**
Stephen K. Burley, University Professor and Henry Rutgers Chair, Chemistry and Chemical Biology, School of Arts and Sciences
10. **Medical Imaging Data Science Applications**
Dimitris Metaxas, Board of Governors Professor, Computer Science, School of Arts and Sciences

11. Peptide Screening Using in vivo Phage Display for the Development of Targeted Therapies
Alex Ille, Postdoctoral Research Associate, Joint Laboratory of Renata Pasqualini and Wadih Arap, Rutgers Cancer Institute – Newark
12. Closing the Gap in the Precision Medicine Model: Digital Behavioral Data Under a New Unifying Statistical Platform
Elizabeth B. Torres, Professor, Psychology, School of Arts and Sciences
13. Advancing patient-centered research using meta-analysis of individual patient data to study comparative effectiveness in comorbid PTSD and substance use disorder treatment outcomes
Denise Hien, Senior Vice Provost for Research and Helen E. Chaney Endowed Chair in Alcohol Studies and Distinguished Professor, Graduate School of Applied and Professional Psychology

2:20 pm Briefings on Best Practices, Cyberinfrastructure Resources, and Training Opportunities

14. Best Practices for Archiving Large Video Datasets
Dimitris Metaxas, Board of Governors Professor, Computer Science, School of Arts and Sciences
15. PDBx/mmCIF Data Standard: Foundation for FAIR Data Access in the Protein Data Bank
Brinda Vallat, Associate Research Professor, Institute for Quantitative Biomedicine, School of Arts and Sciences
16. Rutgers Cyberinfrastructure Resources at the Office of Advanced Research Computing
Udi Zelzion, Senior Scientist, Office of Advanced Research Computing
17. Rutgers Cyberinfrastructure Resources at the Office of Information Technology
Andy Page, Infrastructure Architect, Office of Information Technology
18. Rutgers University Libraries Support for Data Science
Ryan Womack, Data Librarian, Rutgers University Libraries
19. Data Science Education: Undergraduate Major, SEED2S, and MS Program
Thu Nguyen, Dean of Mathematical and Physical Sciences, Professor of Computer Science, School of Arts and Sciences
20. Designing and Scaling a Senior-Level Data Science Course CS 439 for Computer Science Majors: Managing High Enrollment and Demand
Ananda “Andy” Gunawardena, Teaching Professor, Computer Science, School of Arts and Sciences

2:50 pm Brainstorming on Federal, State, and Private Funding Mechanisms for RAD Partnerships

3:00 pm Adjourn. Networking reception.

The presentations from today's event will be available on the RAD Collaboratory's Past Event Resources webpage:

<https://radcollaboratory.rutgers.edu/news/past-event-resources/>

