The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory

Inaugural Networking Event
January 22nd 2025 1:00-3:00 pm EST
Room 120, Proteomics Building
Busch Campus, Piscataway, NJ

The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory invites you to its Inaugural Networking Event on January 22nd 2025 (1:00-3:00 pm EST, Reception to Follow).

The RAD was established as a New Brunswick Chancellor-reporting Signature Initiative to serve as a hub that fosters data science and artificial intelligence/machine learning (AI/ML) collaborations, student programming, and community engagement in partnership with AI/ML and data science initiatives across the University.

Networking Event Discussion Topics:

1. Vision, Mission, and Structure of the RAD Collaboratory.
2. Support for development of multi-Principal Investigator AI/ML and Data Science research projects and federal grant applications.
3. Call for applications for Postdoctoral Fellowships in AI/ML and Data Science.
4. Hands-On AI/ML Training Sessions: Scheduled for Feb 18th, Mar 18th, Apr 15th, Apr 29th.
5. Support for undergraduate researchers in AI/ML and Data Science.
6. Event programming for Spring Semester 2025.

RAD Collaboratory Leadership:

Interim Director:	Stephen K. Burley, SAS-Chemistry & Chemical Biology, IQB
Steering Committee:	Benjamin R. Lintner, SEBS-Environmental Sciences
	Dimitris Metaxas, SAS-Computer Science
	Elizabeth Torres, SAS-Psychology
	Jaideep Vaidya, SOB-Management Science & Information Systems
	Bo Yuan, SOE-Electrical & Computer Engineering
Business Manager:	Jon Hackett, Institute for Quantitative Biomedicine (IQB)

To register, please click here
Contact: Michelle Sanghera (msanghera@iqb.rutgers.edu)
Website: RADCollaboratory.Rutgers.edu

RUTGERS–NEW BRUNSWICK
Artificial Intelligence and Data Science Collaboratory

Rutgers, The State University of New Jersey
174 Frelinghuysen Road
Piscataway, NJ 08854

The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory

SAVE THE DATES!
Hands-on Training in Artificial Intelligence/Deep Learning
Tutorials I-IV
Feb 18th, Mar 18th, Apr 15th, and Apr 29th 2025

The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory
is pleased to invite you to participate in four related
Hands-on Artificial Intelligence/Deep Learning (AI/DL) Tutorials.

Instructors: Dr. Zhao Zhang, Assistant Professor, School of Engineering – ECE
                  Dr. Stephen K. Burley, University Professor, School of Arts and Sciences – C&CB

Description of Training Program:

Four related hands-on tutorials scheduled throughout Spring Semester 2025 will help prepare Rutgers graduate students, postdoctoral fellows, and faculty for success in research utilizing Artificial Intelligence (AI) and Deep Learning (DL) tools. We will use the Frontera supercomputer for hands-on exercises that reinforce learnings from short informative lectures.

Tutorial Dates/Topics:

I.   February 18th – *Introduction to Deep Learning*
II.   March 18th – *Introduction to PyTorch*
III.   April 15th – *Distributed Neural Network Training*
IV.   April 29th – *Large Language Models and their Applications in Science and Engineering*

N.B.: We will use TACC Frontera RTX 5000 GPUs for all four Tutorials. You must have a Frontera account to run the hands-on exercises. Participants who do not already have a TACC account must request one at https://tacc.utexas.edu/portal/login?from=/portal/. Getting approval and setting up the multi-factor authentication may take a few days. Participants need to apply early.

About the RAD Collaboratory:

The RAD was established as a New Brunswick Chancellor-reporting Signature Initiative to serve as a hub that fosters data science and artificial intelligence/machine learning collaborations, student programming, and community engagement in partnership with related initiatives across the University.

Tutorials will be limited to 50 participants. Rutgers registration details to follow.
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ACTIVE RUTGERS HR POSTINGS!
Five RAD Postdoctoral Fellowships
RAD Research Programmer/Data Scientist

The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory invites recent Ph.D. graduates in computer science and related fields to explore two exciting opportunities for cutting-edge research at Rutgers-NB.

RAD Chancellor Diversity Postdoctoral Fellowships: Rutgers HR Posting Number 25FA0064

Five Postdoctoral Fellows with expertise in artificial intelligence/machine learning (AI/ML) and Data Science will be appointed to work under the supervision of RAD Collaboratory faculty mentors in one or more of the following research areas: computational biology, biomedicine, multi-modality fusion and inference (visual and NLP data), computationally efficient ML, environmental sciences, and business applications.

RAD Research Programmer: Rutgers HR Posting Number 25FA0062

A Research Programmer/Data Scientist will be appointed to assist interdisciplinary RAD collaborative research teams with generation of preliminary data and development of cyberinfrastructure and data management plans for large multi-PI grants submitted through the RAD Business Office.

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SAVE THE DATES!
Spring 2025 Networking Events
Mar 5th and Apr 8th 2025
Venue: Room 120, Proteomics Building, Busch Campus

The Rutgers Artificial Intelligence and Data Science (RAD) Collaboratory invites you to save the dates for two additional Spring 2025 Networking Events on Wednesday March 5th and Tuesday April 8th 2025 (1:00-3:00 pm Eastern Time, Reception to Follow)

March 5th Networking Event Focus:

1. Identifying opportunities for developing/enhancing Rutgers data resources to ensure FAIR and FACT Principles compliance and enable/promote usage by researchers worldwide.
2. Soliciting input re Data Science training activities for the 2025-2026 academic year.

April 8th Networking Event Focus:

1. Showcasing Rutgers Artificial Intelligence/Machine Learning (AI/ML) research.
2. Soliciting input re AI/ML training activities for the 2025-2026 academic year.

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