January 13–17, 2020
Institute for
Quantitative Biomedicine
Rutgers University

Registration
This opportunity is open to:
- RU Graduate Students
- RU Junior/Senior Undergrads
- Federally-funded academic researchers

Space is limited. Registration will close on December 13th. Apply at iqbrutgers.edu. At the website you will also find details about graduate/undergraduate credits and applicable fees.

Questions
bootcamp@iqb.rutgers.edu

This immersive hands-on program will prepare participants to develop workflows and efficiently utilize the Amazon and Google cloud computing platforms for scientific research.

Instruction will be provided by training professionals from Amazon and Google.

The Boot Camp will also feature a contribution from the National Institutes of Health (NIH) Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability (STRIDES) Initiative. By partnering with STRIDES, NIH-funded investigators can more easily leverage the cloud to analyze, store, and share their research data and tools, and begin to create a robust, interconnected data ecosystem that breaks down research silos.

Skills you will learn

Machine/Deep Learning:
- Preparing a dataset for training
- Training and evaluating a machine/deep learning model
- Using AI to tune a machine/deep learning model
- Preparing a machine/deep learning model for production
- Thinking critically about machine/deep learning model results

Cloud Computing Applications:
- Best practices for application development
- Choosing the appropriate data storage option for your application data
- Implementation of federated identity management
- Development of loosely coupled application components or microservices
- Integrating application components and data sources
- Debugging, tracing, and monitoring of applications

And more!