

# SCIENTIFIC COMPUTING TRAINING SERIES

*Sponsored by  
Cornell University's Center for Advanced Computing and  
Weill Cornell Medicine Scientific Computing, ITS, &  
Clinical and Translational Science Center*

Open to all workforce members and students of Cornell University, WCM, WCM-Q, and Cornell Tech

## WINTER 2026

**JAN 29  
9-10 AM**

### **Cloud Computing with SageMaker**

*Instructor: Christopher Cameron, CAC*

Learn how to adapt your Python and R research workflows for scalable, secure cloud computing with AWS SageMaker and S3.

**FEB 12  
9-10 AM**

### **GPU and CPU Performance and Parallelism**

*Instructor: Steve Lantz, CAC*

Introduction to basic concepts of parallel computing and the main ways of expressing parallelism in code: OpenMP and MPI for CPUs, and CUDA and OpenMP for NVIDIA GPUs. Slurm job scheduling and NVIDIA profilers are also covered.

**FEB 26  
9-10 AM**

### **Running Containers**

*Instructor: Ben Trumbore, CAC*

Introduction to what containers are and how to prepare your computer to run and manage containers using Apptainer platform as an example.

**MAR 10, 11, 17, 18  
9-12 PM**

### **Computational Methods for Spatial Transcriptomics**

*Instructor: Dr. Luigi Marchionni, WCM*

Practical and methodological introduction to analyzing spatial transcriptomics data, with an emphasis on Visium HD and Xenium workflow.



**Scan code for webinar descriptions, prerequisites, and  
registration links or visit**

**<https://its.weill.cornell.edu/scientific-computing-training-series>**