**EQUIPMENT**

**Rutgers, The State University of New Jersey**

**Local Computational Equipment**

**CPU workstations:** The PI can access 10 Linux workstations, hosted by Prof. York, with various configurations for lab members’ daily routine work, including simulation setups, visualization, data analysis, etc. Each workstation has at least a 6-core CPU, 16GB memory, 4TB data storage.

**GPU workstations:**

The PI has three main workstations in his office for GPU development and testing work:

* One Linux GPU workstation equipped with one GP100 and one RTX 2808 TI.
* One Linux GPU workstation equipped with two Titan-V GPUs (for parallel optimization and testing)
* One Windows GPU mobile workstation equipped with one Quadro M2000M w/ one external GP100 GPUs, for the development and testing purposes.

The PI also has access additional GPU workstations, (shared with Prof. Darrin York and Prof. David Case), one 3xTitan-V and 1xTitan-XP workstation, one 8xGTX780 workstation, one 2xRTX 5000/1XTitan X-Pascal/2X GTX 980 TI workstation, one 2xGP100/2xGTX1080 workstation, and one 1xTelsa V100 workstation. The PI also has access to the Rutgers’ shared GPU clusters. The PI is an active GPU developer and is a member of nVIDIA’s life science developer group hence has the access to nVIDIA’s internal GPU clusters and receives new generation GPUs every year directly from nVIDIA for testing purpose, and just received two RTX 5000s and one RTX 2080TI GPUs from nVIDIA in 12/2018.

**Other Computing Resource:**

The PI has access to significant computational resources in the Institute for Quantitative Biomedicine, on campus, and through National HPC mechanism, all are described in the “Facilities and Other Resources” document.