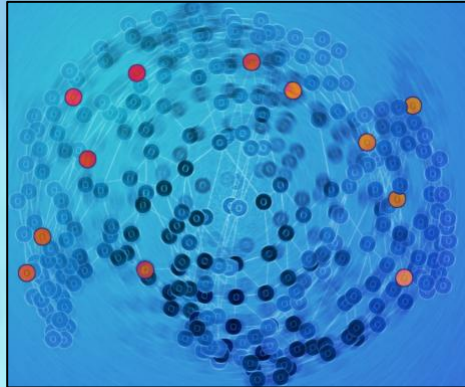




NIMBioS

National Institute for Mathematical
and Biological Synthesis



Using R for HPC A NIMBioS-XSEDE-NICS Tutorial

1 – 5 p.m., February 27, 2015

Location: Hallam Auditorium, Room 206
NIMBioS, Univ. of Tennessee, Knoxville

While R is often the most popular software package for the analysis of data, it has a reputation for being inappropriate for large datasets. Yet, much of R's performance and scalability issues are due to bad practices of individual programmers rather than being inherent limitations of R itself. In this half-day tutorial, we will introduce debugging, profiling and performance analysis, optimization, foreign language API's, and parallel programming. The tutorial will be live streamed but registration is required. There will also be a comprehensive hands-on component to reinforce topics introduced during the lecture portion. The content is appropriate for any students, researchers, or staff who are working with R and interested in performance.

This is a joint training between the University of Tennessee, NIMBioS, XSEDE, and NICS.

The tutorial will be live streamed and have space for local participants. Please register by **Wednesday, Feb. 25, 2015**, to receive materials and system requirements. There is limited space for local attendance so be sure to indicate on the registration form if you will be attending in person.

For more information and to register, go to
http://www.nimbios.org/tutorials/TT_RforHPC

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The National Institute for Mathematical and Biological Synthesis (NIMBioS) brings together researchers from around the world to collaborate across disciplinary boundaries to investigate solutions to basic and applied problems in the life sciences. NIMBioS is sponsored by the National Science Foundation, the U.S. Department of Homeland Security, and the U.S. Department of Agriculture with additional support from The University of Tennessee, Knoxville.

