UAB CI Day Agenda
Alumni Auditorium, HUC
September 16, 2010

8:30 - 9:00 am  Registration & Coffee

9:00 - 9:15  Welcome and Overview of UAB CI Day 2010
David L. Shealy, Ph. D., Prof. & Chair of Physics
Director of IT Research Computing
http://www.uab.edu/it/ and click Researchers

9:15 - 9:45  Powerful Next Generation Sequencing Analysis Using Galaxy and a Web Browser
Glen Otero, Ph.D.; Dell HPC Computer Scientist for the Life Sciences
http://www.delltechcenter.com/page/Meet+the+Gang

9:50 - 10:20  Computational Chemistry in a Distributed Computing Environment
David A. Dixon, Ph.D., Robert Ramsey Professor of Chemistry
The University of Alabama
http://www.bama.ua.edu/~chem/people/faculty/dixon/dixon.html

10:25 - 10:40  Coffee Break

10:40 - 11:00  Developing UAB Cloud Computing
John-Paul Robinson, UAB IT Research Computing

11:05 - 11:25  Recent Advances in Services from the Alabama Supercomputer Authority
David Young, Ph.D., HPC Computational Specialist, CSC
Alabama Supercomputer Center
Alabama Research and Education Network

11:30 - 11:50  University of Alabama System RON Update
Bob Cloud, Executive Director, UAB IT Infrastructure Services

Noon - 1:30 pm  Lunch Break

1  Hill University Center Auditorium, located on campus at the corner of 14th street south and University Boulevard. Birmingham, Alabama.
UAB CI Day Afternoon Agenda

1:30 - 2:50  Overview of Research Computing Applications, part I  
David L. Shealy, Session Chair

1:30 - 1:50  Computational Structural Biology  
Jere Segrest, Professor of Medicine M.D., Med-Gerontology, Geriatrics, Palliative Care

1:50 - 2:10  Human Behavior Neuroscience  
Kristina Visscher, Ph.D., Department of Neurobiology  
http://www.neurobiology.uab.edu/Visscher_Lab/Research.html

2:10 - 2:30  Dynamic simulations of olfactory receptor-odorant interactions.  
Chiquito Crasto, Ph.D., Assistant Professor in Genetics

2:30 - 2:50  Research Enabled by NIH SIG award  
Jelai Wang, System Programmer Lead, Section on Statistical Genetics, Department of Biostatistics, www.ssg.uab.edu

2:50 - 3:05  Coffee Break

3:05 - 4:05  Overview of Research Computing Applications, part II  
David L. Shealy, Session Chair

3:05 - 3:25  Overview of caBIG and Its Uses at UAB  
John Sandefur, MBA, MSHI, CISSP; Information Systems Manager  
UAB Comprehensive Cancer Center

3:25 - 3:45  Overview of DASI (Data Access and Sharing Initiative) at UAB  
Matthew Wyatt, MSHI, Biomedical Informatics, UAB Center for Clinical and Translational Science and Information Services, UAB Health System

3:45 - 4:05  The UAB Research Repository: A pilot project between Lister Hill Library and the School of Optometry  
Elizabeth R Lorbeer, Associate Director for Content Management, Lister Hill Library of Health Sciences

4:05 -  
Wrap up discussion and closing Q&A