



Contribution ID: 47

Type: **Session**

Bioinformatics and Grid - On the way to ordinary usage

Session Description (include details of proposed agenda, potential speakers and expected outcomes)

Topics of special interest

* High-throughput and high-performance Bioinformatics: Genomics, Proteomics

Molecular structure prediction, System biology, ...

* Biological data management: Data integration, Distributed filesystems and database, ...

* Bioinformatics tools integration: public Web interfaces, Workflow and distributed applications, ...

Potential Speaker: scientists and representation of national/international bioinformatics grid initiative

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

NA4 Life Science Cluster, Bioinformatics Activity

Special requirements other than the set up mentioned in the CfA text.

40

Please indicate your preferred day to give a demo.

2 hrs

3

NA4 Life Science Cluster, Bioinformatics Activity

Abstract

The Bioinformatics domain studies genes, proteins, and all components of living organisms. These include enabling system biology on grid, oncology study at the molecular level, genome wide association studies of human complex diseases, binding of protein and DNA in the cell nucleus, complete genome comparison, as well as portals or web services that enable grid access for users in areas such as protein sequence or genome level analysis. Several bioinformatics applications are now established as regular users of the grid infrastructure, and collaboration with related projects to port a broad spectrum of applications to the EGEE grid. The main goal of this session is to bring together the bioinformatics community of scientists using the grid and to discuss results about biological databases and tools on the EGEE platform. The session will focus on challenging points that are still under development in the biosciences domain.

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Track Classification: End Users (Applications)