

CALL FOR ABSTRACTS AND POSTERS: METAGENOMICS, METADATA AND METAANALYSIS

An ISMB 2009 Special Interest Group (SIG)



Date: June 27, 2009

Location: Stockholm, Sweden

URL: http://gensc.org/gc_wiki/index.php/M3

There are now thousands of genomes and metagenomes available for study. Interest in improved sampling of diverse environments (e.g. ocean, soil, sediment, and a range of hosts) combined with advances in the development and application of ultra-high throughput sequence methodologies are set to vastly accelerate the pace at which new metagenomes are generated.

At the same time, we have entered the era of large-scale sequencing projects, which include funded projects like the Genomic Encyclopedia of Bacteria and Archaea (GEBA) project and the Human Microbiome Initiative, with many more visionary projects on the horizon.

The M³ SIG will explore the latest concepts, algorithms, tools, informatic pipelines, databases and standards that are being developed to cope with the analysis of vast quantities of metagenomic data. Through a series of invited and contributed talks, a panel discussion, and flash talks associated with a poster session, we aim to highlight scientific advances in the field and identify core computational challenges facing the wider community.

We invite you to submit extended abstracts to be considered as talks or posters for the M³ SIG. The abstracts will be reviewed by the SIG program committee for suitability and quality. Selected abstracts will be published in a special issue of the open access online journal *Standards in Genomic Sciences* <http://standardsingenomics.org/>

Topics include, but are not limited to:

- Metagenome and microbiome studies of biological interest
- Metagenome annotation
- Consistent contextual (meta)data acquisition and storage in metagenomics
- Contextual (meta)data and sequence data correlation studies
- Computational infrastructures for metagenomic data processing
- Algorithms, data structures and database architectures

Important dates

- April 1, 2009: Talk and poster abstracts due.
- April 20, 2009: notification of acceptance
- May 1, 2009: final abstracts due
- June 27th, 2009: M³ SIG alongside ISMB 2009 in Stockholm, Sweden.

Invited speakers

- Owen White, Genome Sciences, UMB
- Nikos Krypides Joint Genome Institute
- Michael Ashburner, University of Cambridge
- Susanna Sansone, EBI
- Peer Bork, EMBL

For more information including submission: http://gensc.org/gc_wiki/index.php/M3