Third Workshop on Microbial Comparative and Functional Genomics

June 12th - 16th 2006

Organised by the FUGE Consortium for Advanced Microbial Sciences and Technologies (CAMST), Department of Pharmaceutical Biosciences, University of Oslo, and the Norwegian EMBnet node

The third Workshop on Microbial Comparative and Functional Genomics is hosted by the **FUGE CAMST** Platform and the **Department of Pharmaceutical Biosciences**, **University of Oslo**, in collaboration with **The Norwegian EMBnet node** and research scientists from **The Institute for Genomic Research (TIGR)**, USA.

The course will consist of seminars and hands-on sessions (practicals) / demonstrations. Key topics that will be covered relate to microbial genome sequence analysis and comparative genomics, and to the use of microarrays in microbial gene expression and comparative genomics analyses. The workshop is primarily directed to people doing active research in different fields of biology, and we aim at providing an advanced level course with an emphasis on the biological perspective of the topics. The number of participants is limited due to the hands-on sessions. The course is aimed at PhD students, postdocs and researchers, and the successful candidate will preferably be conducting her/his research in a field related to one or more of the topics listed below. Please submit your application, including your CV, and a letter (max. 1/2 A4 page) describing your subject of research and your motivation for taking the course, to Ole Andreas Økstad (email below) by **Tuesday April 25th 2006**.

Preliminary list of topics:
- Understanding a complete genome sequence
- Genome assembly, closure, and annotation
- Comparative genome analysis
- Microarray methods in microbiology
- Gene expression analysis using microarrays
- Comparative genome hybridisation (CGH)
- Microarray experiment standards and optimisation

Course given by:
Dr. Scott N. Peterson, The Institute for Genomic Research (TIGR), USA
Dr. Jacques Ravel, The Institute for Genomic Research (TIGR), USA
Christine Peterson, The Institute for Genomic Research (TIGR), USA
[*]Dr. Nicky Mulder, The European Bioinformatics Institute (EBI), UK
Dr. Nicolas J. Tourasse, School of Pharmacy, University of Oslo (UiO)
George Magklaras, Norwegian EMBnet node, Biotechnology Centre of Oslo, UiO

[*]Not yet confirmed

Venues: University Library (Georg Sverdrups Hus) and Department of Molecular Biosciences, University of Oslo. Practicals: Bioinformatics course room, Department of Molecular Biosciences, University of Oslo.

UNIX pre-course: To bring participants that are not familiar with the UNIX operating system up to the level necessary to follow the tutorial sessions, a three-day crash pre-course will be given Wednesday June 7th – Friday June 9th. Please indicate whether or not you would like to attend the UNIX pre-course in your application.

Examination: A voluntary written exam will be given at the final day of the course.

The course is **free** for all participants. A limited number of travel grants may be given for Norwegian applicants upon written request (please include within the course application).

A detailed program will follow. For this and additional information, please follow links from the *Bacillus* research group (Department of Pharmaceutical Biosciences, UiO) and EMBnet Norway web pages:
http://mlstoslo.uio.no/bacillus.html/http://www.biotek.uio.no/EMBNET/news.html

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Organisers:

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Co-organisers:

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All requests, including applications to the course, should preferentially be directed to either Anne-Brit Kolstø or Ole Andreas Økstad at the above numbers / emails.

*Not yet confirmed