



**EMBnet Norway**



## **Third Workshop on Microbial Comparative and Functional Genomics - Oslo, 2006.**

*Organized by the FUGE Consortium for Advanced Microbial Sciences and Technologies (FUGE-CAMST) and the Department of Pharmaceutical Biosciences (Bacillus cereus research group), University of Oslo, in collaboration with The Institute for Genomic Research (TIGR), the European Bioinformatics Institute (EBI) and the Norwegian EMBnet node.*

### **Programme**

#### **Monday June 12th**

Registration and coffee 08.30-09.00 Georg Sverdrups Hus, lounge

Welcome to the course 09.00-09.05 Georg Sverdrups Hus, aud. 2  
Anne-Brit Kolstø/Ole Andreas Økstad (Department of Pharmaceutical Biosciences, UiO)

#### *Introduction to genome sequencing technologies*

*MJ Rosovitz (The Institute for Genomic Research [TIGR], USA)*

Seminar 09.05-09.45 Georg Sverdrups Hus, aud. 2

#### *Microbial genome assembly, closure and annotation*

*MJ Rosovitz (TIGR, USA)*

Seminar 09.45-10.15 Georg Sverdrups Hus, aud. 2

Coffee break 10.15-10.30 Georg Sverdrups Hus, lounge

#### *Microbial genome annotation II*

*MJ Rosovitz (TIGR, USA)*

Seminar 10.30-11.10 Georg Sverdrups Hus, aud. 2

#### *Microbial genome annotation using protein signatures and InterPro*

*Sarah Hunter (European Bioinformatics Institute [EBI], UK)*

Seminar 11.15-12.00 Georg Sverdrups Hus, aud. 2

Lunch break, informal discussions 12.00-13.00 Georg Sverdrups Hus canteen

#### *Microbial genome annotation – MJ Rosovitz (TIGR) and Sarah Hunter (EBI)*

*Practicals 13.00-18.00 Dept. of Molec. Biosci., room 4129*

**Main practical work will go every day from 13.00 to 16.00, with possibility of extended tutorial practice until 18.00.**

Social gathering; pizza/red wine/soft drinks picnic at 18.00

**Tuesday June 13th**

Morning Coffee 09.00-09.15 Georg Sverdrups Hus, lounge

*UniProt and GeneOntology in genome annotation*

*Sarah Hunter (EBI, UK)*

Seminar 09.15-10.00 Georg Sverdrups Hus, aud. 2

Seminar 10.05-10.30 Georg Sverdrups Hus, aud. 2

Coffee break 10.30-10.45 Georg Sverdrups Hus, lounge

*Comparative genomics*

*MJ Rosovitz (TIGR)*

Seminar 10.45-11.30 Georg Sverdrups Hus, aud. 2

Seminar 11.35-12.00 Georg Sverdrups Hus, aud. 2

Lunch break, informal discussions 12.00-13.00 Georg Sverdrups Hus, cantine

*Microbial genome annotation / Comparative genomics*

*MJ Rosovitz (TIGR) and Sarah Hunter (EBI)*

Practicals 13.00-18.00 Dept. of Molec. Biosci., room 4129

**Wednesday June 14th**

Morning Coffee 09.00-09.15 Georg Svedrups Hus, lounge

*Additional Web-based tools for comparative genomics*

*Nicolas J. Tourasse (UiO)*

Seminar 09.15-10.30 Georg Sv.. Hus, undervisningsrom 2

Coffee break 10.30-10.45 Georg Sverdrups Hus, lounge

*Mobile and repeated elements in bacterial genomes*

*Nicolas J. Tourasse (University of Oslo [UiO])*

Seminar 10.45-11.30 Georg Sv.. Hus, undervisningsrom 2

Lunch break, informal discussions 11.30-12.30

*Mobile and repeated elements in bacterial genomes – Nicolas J. Tourasse (UiO)*

Practicals 12.30-14.00 Dept. of Molec. Biosci., room 4129

Practicals (own time) 14.00-18.00 Dept. of Molec. Biosci., room 4129

Common dinner (drinks) in the evening?

## Thursday June 15th

Morning Coffee	09.00-09.15	Georg Sverdrups Hus, lounge
<i>Microarray methods in microbiology; introduction to microarray standards, optimization, etc.</i> Scott N. Peterson (TIGR, USA)		
Seminar	09.15-10.00	Georg Sv.. Hus, undervisningsrom 2
Coffee break	10.00-10.15	Georg Sverdrups Hus, lounge
<i>Microarray methods in microbiology; expression arrays - Scott N. Peterson (TIGR, USA)</i>		
Seminar	10.15-11.00	Georg Sv.. Hus, undervisningsrom 2
Coffee break	11.00-11.15	Georg Sverdrups Hus, lounge
<i>Microarray methods in microbiology; Comparative Genome Hybridization (CGH)</i> Scott N. Peterson (TIGR, USA)		
Seminar	11.15-12.00	Georg Sv.. Hus, undervisningsrom 2
Lunch, informal discussions	12.00-13.00	Georg Sverdrups Hus, cantine
<i>Microarray methods in microbiology practicals - Scott N. Peterson and Christine Peterson (TIGR)</i>		
Practicals	13.00-18.00	Dept. of Molec. Biosci., room 4129

## Friday June 16th

Morning Coffee	09.00-09.15	Georg Sverdrups Hus, lounge
<i>Microarray methods in microbiology</i> Scott N. Peterson (TIGR, USA)		
Seminar	09.15-10.00	Georg Sv.. Hus, undervisningsrom 2
<i>Microarray methods in microbiology practicals II - Scott N. Peterson and Christine Peterson</i>		
Practicals	10.00-12.00	Dept. of Molec. Biosci., room 4129
Lunch break, informal discussions	12.00-13.00	Georg Sverdrups Hus, cantine
<i>Microarray methods in microbiology practicals III - Scott N. Peterson and Christine Peterson</i>		
Practicals	13.00-14.30	Dept. of Molec. Biosci., room 4129
<i>Summing up the course - evaluation</i> Ole Andreas Økstad / Anne-Brit Kolstø		
Q & A	14.30-14.40	Dept. of Molec. Biosci., room 4129
<i>Examination (written)</i>	15.00-16.00	Dept. of Molec. Biosci., room 4129
Friday pub gathering (TGIF), Forskningsparken, UiO, 16.00		

The workshop is sponsored by FUGE-CAMST and FUGE-East

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