BIOCENTER OULU, Microarray Core Facility Course

*Chipster course on analysis of microarray data*

**Place**
Computer classroom K033  
University of Oulu, Kontinkangas Campus, Aapistie 7A

**Time**
24\(^{th}\) - 25\(^{th}\) February, 2014  
24/2/14 from 9:30 AM to 17:00 PM  
25/2/14 from 9:00 AM to 14:30 PM

**Credits**
0.5 ECTS for field-specific doctoral studies

**Organisers**
Biocenter Oulu Doctoral Programme and Biocenter Oulu, Sequencing and expression analysis center, Microarray Core Facility, University of Oulu, Aapistie 5A, P.O.Box 5000, FIN-90014 Oulu, Finland  
http://www.oulu.fi/biocenter/gene-analysis-service  
http://www.oulu.fi/biocenter/doctoral-programme

**Aim**
To learn the basics of how to analyse microarray data and get acquainted with Chipster, a program designed by CSC — IT Center for Science, Espoo, Finland.

**Information**
Course consists of workshop type hands-on practices of microarray analyses using Chipster. Course will be held by CSC. Lecturers: Eija Korpelainen and Matti Kankainen. More information: Sini Skarp, Biocenter Oulu, Aapistie 7A, FIN-90014, University of Oulu, Finland, tel. +358 8 537 6080, e-mail: sini.skarp(at)oulu.fi

**Content**
In the course we will practice the following aspects of microarray data analysis:  
- quality control  
- normalization  
- preprocessing  
- statistical testing  
- annotation  
- pathway analysis  
- clustering  
(-promoter analysis)

**Registration**
Registration is obligatory. Max. 30 participants are accepted. Registration by 17\(^{th}\) of February, 2014. Registration by email to Sini Skarp (sini.skarp(at)oulu.fi). The course is open for all, but preference will be given to Ph.D. students and researchers whose project benefits the topics carried out during the course.