



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PVS0026 Analysis of Microarray Expressions Data with special emphasis on applications to infection biology, 1.5 credits

Syllabus approved

2006-08-21

Subjects

Biology

Education cycle

Third cycle

Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

English

Prior knowledge

None.

Objective, including learning outcomes

To learn about microarrays and how to apply the technique in your own research. The course will focus on 1) data analysis; and 2) the use of microarrays for the

study of various aspects of the biology of infections, but other applications will also be dealt with.

Content

Lectures on the basic principles of microarrays and the application of microarrays in infection biology research. Examples will be presented by lecturers that use this technique in their research. In addition, extensive computer exercises will give hands-on experience in handling data from microarray experiments, either your own data or data sets provided by the organisers.

Requirements for examination

None. Presence.

Additional information

The course is arranged in collaboration with the Uppsala Array Platform (www.medsci.uu.se/klinfarm/arrayplatform) and the Linnaeus Centre for Bioinformatics (www.lbc.uu.se), Further information also from Hanna Göransson (Hanna.Goransson@medsci.uu.se)

Responsible department

Department of Biomedical Sciences and Veterinary Public Health