Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PVS0052 Reproduction and Epigenetics, 2.0 credits

Syllabus approved

2009-07-08

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

Postgraduate students in medicine, veterinary medicine, biology or related fields.

Objective, including learning outcomes

The aim of the course is to enhance the knowledge and understanding of gene expression during embryonic and foetal development. It is not only the DNA-sequence as such that determines the heredity. In recent years, along with the use of

modern reproductive biotechniques, there has been rapid progress in understanding epigenetic mechanisms, i.e. how gene regulatory information that is not expressed in the DNA sequence is transmitted from one generation to the next. Comparative aspects in humans and animals will be covered as well as ethics around the topics in the course. The course will include lectures and group work.

Content

Lectures, group work, student presentations.

Requirements for examination

No formal examination. Attendance compulsory, oral presentations of group work.

Additional information

Send your application to anette.forsberg@kv.slu.se before September 19, 2009. The application should include a brief (1/4 A4) description of research field and your interest in epigenetics and reproduction. It should also include name and affiliation and undergraduate degree.

Further information from course organiser Bodil Ström Holst, Bodil.Strom-Holst@kv.slu.se

Responsible department

Department of Clinical Sciences