



UPPSALA  
UNIVERSITET



**Saturday 18 October - Friday 24 October 2008**

**WCN practical course in:**

## **Laboratory and Computational Methods for Massively Parallel Sequencing**

### **Organizers:**

Tomas Axelsson, Ulrika Liljedahl, Anna Kiialainen, Ann-Christine Syvänen, Dept of Medical Sciences, Uppsala University,  
Michael Zody, Dept of Medical Biochemistry and Microbiology, Uppsala University and Broad Institute, Boston

**Deadline for applications: Sep 1, 2008. The number of participants is limited to 16.**

This course is aimed at an audience of Doctoral and Post-Doctoral students as well as scientists with experience in molecular biology and with an interest in applications for the new-generation sequencing technologies and SNP genotyping. The course consists of lectures in combination with practical computer and laboratory exercises. Topics include; sample preparation for sequencing, sequencing using the Solexa Genome Analyzer, interpretation and quality check of sequencing data and alignment to reference sequence and further bioinformatics analyses of the sequence data. The course will also include demonstration of genotyping systems at the SNP-technology platform and of the SOLiD sequencing system from ABI at the Rudbeck laboratory. During the course there will be a one day "minisymposium" with lectures by experts on sequencing and SNP-related technology and its applications.

The course is accepted as postgraduate course at the Medical Faculty of Uppsala University and yields 3 credit points (2 weeks) towards a doctoral thesis.

The registration fee is SEK 2000. Expenses for lunch and coffee during the course are covered by the organizers. The students are expected to organize and finance their own accommodation in Uppsala or Stockholm.

### **Applications**

An application form for the course is available at [www.medsci.uu.se/molmed/courses.htm](http://www.medsci.uu.se/molmed/courses.htm). Applications to the course should contain the completed form, including short descriptions of the applicant's current research interest and potential benefit from participation in the course and a brief CV with list of publications.

The application form and the CV should be sent by e-mail, ordinary mail or fax to: Lillebil Andersson, Department of Medical Sciences, Molecular Medicine, Uppsala University, Entrance 70, 3<sup>rd</sup> floor, Res. Dept. 2, Academic Hospital, 751 85 Uppsala, Sweden. Phone: +46 18 611 90 58. Fax: +46 18 55 36 01. E-mail: [Lillebil.Andersson@medsci.uu.se](mailto:Lillebil.Andersson@medsci.uu.se)

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Inquires about the course should be sent to: [Tomas.Axelsson@medsci.uu.se](mailto:Tomas.Axelsson@medsci.uu.se)

For updated information about the course 2008, please visit:  
[www.medsci.uu.se/molmed/courses.htm](http://www.medsci.uu.se/molmed/courses.htm).