



***Training course***  
***Translation of genetic variation to gene function in***  
***biology and epidemiology***  
***September 3-6, 2009, Stockholm (Arlanda), Sweden***

Dear participant in the Diogenes, Hepadip and InterAct programs,

In collaboration, three EU FP6 projects Diogenes, Hepadip and InterAct are organizing a training course on translation of genetic variation to gene function in biology and epidemiology. For PhD students the course corresponds to 0.6 ECTS points.

The course will be held in Stockholm on 4th and 5th of September 2009, for two full days (arrival on the 3rd and departure on the 6th of September). The venue Quality Airport Hotel Arlanda ([www.qualityarlandastad.com](http://www.qualityarlandastad.com)) is near Arlanda airport with free transportation between the hotel and flight terminals. The course, including accommodation (single room) and meals, is free for PhD students and Post Docs associated with any of the consortia, but travel expenses will have to be covered locally by the above mentioned project organizations. The course program will consist of 45 min lectures by invited speakers followed by general discussion and selected 15 min student presentations.

Application for the course should be sent to Jurga Laurencikiene ([Jurga.Laurencikiene@ki.se](mailto:Jurga.Laurencikiene@ki.se)) together with one page abstract (word document) presenting your current research project (title of project, Your name and affiliation + text). Only applications with abstract will be considered. Some abstracts will be selected for oral presentation (10 min talk + 5 min discussion). The number of participants is limited and we aim for a fair balance between the three consortia. However, the applications will also be considered in the order they come in so you should apply as soon as possible

***Deadline for application is May 9, 2009***

You will be notified about the decision of acceptance and get additional information (a.o. about a tentative oral presentation) not later than June 5, 2009.

Contact person: Jurga Laurencikiene ([Jurga.Laurencikiene@ki.se](mailto:Jurga.Laurencikiene@ki.se)). Phone: + 46 8 58583921 or +46704714967

Kindly welcome,  
Peter Arner, Karolinska Institutet  
Host of the course

Course organizers: Peter Arner, Thorkild IA Sørensen, Jurga Laurencikiene,  
Wim Saris, Nick Wareham

## Program

### Thursday, September 3

Arrival at hotel/conference centre  
20.00 Speakers' dinner.

### Friday, September 4

8.00-8.30 Registration  
8.30 - 8.40 Welcome address. Peter Arner  
8.40 – 9.30 Presentation of three EU projects (Thorkild IA Sørensen, Wim Saris, Nick Wareham)

#### 9.30- 12.30 **Session No. 1 Current status of genomics**

9.30-10.15 Juha Kere  
*The genetics of complex disorders. Where do we stand now?*

10.15-10.30 Coffee brake

10.30-11.15 Karine Clément  
*Genetics and functional genomics to understand the complex physiopathology of human obesity*

11.15-12.30 General discussion and 2 student presentations

12.30-13.30 Lunch

#### 13.30-17.15 **Session No. 2 Genomics beyond common SNP's**

13.30-14.15 Niels Grarup  
*Role of rare gene variants in common diseases*

14.15-15.00 Lars Feuk  
*Role of copy number gene variants in common diseases*

15.00-15.15 Coffee brake

15.15-17.00 General discussions and 4 student presentations

17.00-17.15 House notes

19.30 Dinner

### Saturday, September 5

#### 9.00- 12.00 **Session No. 3 Genomics and pathways**

9.00- 9.45 Nicholas Timpson  
*Genetic variants as tools to unraveling causal pathways*

9.45-10.30 Miguel Constancia  
*Role of epigenetics in causal pathways*

10.30-10.50 Coffee brake

10.50– 11.30 General discussion and 2 student presentations

11.30-12.30 Lunch

#### 12.30-15.30 **Session No. 4 Gene-lifestyle interactions**

12.30-13.15 Thorkild IA Sørensen  
*Observational studies*

13.15-14.00 Paul Franks  
*Intervention studies*

14.00-14.20 Coffee brake.

14.20 – 15.10 General discussion and 2 student presentations

15.10-15.30 Ending words. Peter Arner

18.00 Dinner

**Sunday, September 6** Departure