

Report from the course “Molecular Nutrition in Relation to Cancer Research”

Course in “Molecular Nutrition in Relation to Cancer Research”
Stockholm, Sweden, June 5-9, 2006

The course was organised by ECNIS NoE (Joseph Rafter) and Johanna Zilliacus (partner 1A).

The course had 22 participants who came from 7 different European countries as well as Egypt. One participant was from a CASCADE partner group. Eighteen senior scientists were invited as teachers.

The course covered the following aspects: Introduction to nutritional physiology, diet and cancer, alcohol and cancer, selenium and cancer, intestinal microflora and probiotics, lipid peroxidation, nitroso compounds, fatty acids, coronary heart disease, nuclear receptors, phytoestrogens, nutrigenomics and nutrigenetics.

The course included lectures, participants’ presentations and group discussions. The lectures were given by experts in the field and included both overviews and state-of-the-art research updates. The participants presented their own research projects at the first day of the course and they were encouraged to identify possibilities for future collaborations and networking. At the group discussions the participants discussed in small groups the lectures and identified their learning outcome and jointly clarified unresolved questions. The social programme included a get-together on the first day and a course dinner.

The participants evaluated the course using the standard form for evaluation of CASCADE schools. The participants appreciated the course and suggested new topics for future courses.

Molecular Nutrition in Relation to Cancer Research (location: CBT seminar room, floor 6, Novum, Huddinge)

Monday 5/6 2006	Tuesday 6/6	Wednesday 7/6	Thursday 8/6	Friday 9/6
09.00-09.15 <u>Introduction</u> , J Rafter	09.00 – 11.00 Intestinal microflora in health & disease, S Pettersson	09.00 – 11.00 Lipid peroxidation and DNA damage, J.Nair	09.00 – 10.00 <u>Nutrigenomics</u> , B Åkesson	09.00 – 10.00 ER β , J-Å Gustafsson
09.15 - 11.15 Nutritional physiology-introduction, L Hambreus	11.00 – 11.30 Coffee	11.00 – 11.30 Coffee	<u>Nuclear Receptors</u> 10.00 – 10.30 Overview to nuclear receptors, A Wärnmark	10.00 – 11.00 <u>Nutrigenetics</u> , L Richiardi
11.15 – 11.30 Coffee	11.30 – 13.00 Diet, breast, stomach & pancreatic cancer, J Cade	11.30 – 12.30 Dietary factors modulating the endogenous formation of nitroso compounds, T De Kok	10.30 – 11.00 Coffee	11.00 – 11.30 Coffee
11.30 – 13.00 Participants presentations			11.00 – 12.00 Dietary phytoestrogens and their role in breast cancer, N Saarinen	11.30 – 12.30 Reduction of LDL cholesterol for the reduction of coronary heart disease. Not only a question of how low but also how long! M Rudling
<i>13.00 – 14.30 Lunch</i>	<i>13.00 – 14.30 Lunch</i>	<i>12.30 – 14.00 Lunch</i>	<i>12.00 – 14.00 Lunch</i>	<i>12.30 – 14.00 Lunch</i>
<u>Diet & Cancer</u>	14.30 - 15.30 Probiotics, J Rafter	<u>Molecular aspects – nutritional factors & disease</u>	14.00 – 15.00 PPARs & cancer, V Arulampalam	14.00 – 15.00 ROUND TABLE, selected lecturers
14.30 – 15.30 Diet & colon cancer, J Rafter	15.30 – 16.30 Alcohol, M Hashibe	14.00 – 15.00 Fatty acid mediated mechanisms for gene regulation, S Alexson	15.00 – 16.00 LXR/FXR, P Parini	15.00 Close of course
15.30 – 17.00 Participants presentations	16.30 – 17.00 Group discussion with lecturers	15.00 – 16.00 Selenium & cancer – more than 2 sides of the coin, E Arner	16.00 – 16.30 Group discussion with lecturers	
17.00 Mingle/cheese/fruit/beer		16.00 – 16.30 Coffee 16.30 – 17.30 Group discussion	18.30 Course dinner	