Tuesday 13.3.2007 – Arrival and Registration

From 14:00 onwards: Registration open at the Conference Centre Alpbach.

then … take out skiing equipment?

From 18:30 onwards: Get together at Jakober

19:30 Workshop Opening Dinner at Jakober

Wednesday 14. 3. 2007 – First day of Workshop

Session 1 Overview of the Human Proteome *Chair: Mike Taussig*

8:30 Welcome – Mike Taussig

8:35 Matthias Wilm: Proteomics is Chasing the Time Line

9:00 Mathias Uhlen: A human protein atlas for normal and cancer tissues

9:25 Andreas Plückthun: Specific binders against integral membrane proteins

9:50 Coffee

Session 2 Bioinformatics Infrastructures for Proteomics *Chair: Toby Gibson*

10:20 Lydie Lane: The UniProtKB-Swiss-Prot Human Proteomic Initiative (HPI) as a support for the characterization of the human proteome in health and disease

10:45 Henning Hermjakob: Designing a binder database

11:05 Discussion

11:15 Depart to hotel to prepare for skiing or other

12:00 Catch Skibus

From 15:30 onwards: Coffee available in the conference centre

Session 3 Antibodies and alternative binders *Chair: Marius Ueffing*

16:15 Ronald Frank: ProteomeBinders link to Chemical Biology

16:40 Larry Gold: SomaLogic's Progress with Aptamer-Based Proteomic Arrays

17:05 Arne Skerra: Anticalins and other alternative scaffolds for molecular recognition of proteome targets

17:35 Stefan Dübel: The German NGFN Antibody Factory

17:55 Andrew Bradbury: Selecting affinity reagents which recognize specific post-translational modifications independently of sequence context: the sulfotyrosine example

18:20 Carl A. K. Borrebaeck: Detecting cancer with recombinant antibody microarrays

18:45 Discussion

19:30 Dinner at Reblaus

Thursday, 15.3.2007 – Second day of Workshop

Session 1: Affinity Tools and Methods *Chair: Dolores Cahill*

8:30 Thomas Laurell: Microchip based affinity probing - Strategies for on-chip fluorescence and MALDI MS readout

8:55 Christof M Niemeyer: Semisynthetic DNA-Protein Conjugates for Diagnostic Applications

9:20 Ulf Landegren: Assay formats for enhanced protein analyses

9:45 Coffee

Session 2: Intrabodies *Chair: Silvère van der Maarel*

10:15 Terence H. Rabbitts: Interfering with protein-protein interactions in cancer cells with single domain antibody fragments

10:40 Silvère van der Maarel: Single domain antibody fragments for biomedical applications

10:55 Heinrich Leonhardt: Targeting and Tracing of Antigens in Living Cells with Fluorescent Nanobodies

11:10 Discussion

11:20 Depart to hotel to prepare for skiing or other

12:00 Catch skibus

From 15:30 onwards: Coffee available at Conference Centre

Session 3: Applications and quality control *Chair: Jörg Hoheisel*

16:15 Eric Chevet: Alphascreen™: principles and applications

16:30 André Bernard: Affinity contact printing and compact disk readers for protein patterning and affinity sensing

16:45 Markus Templin: Binder characterisation and quality control: specificity, affinity, cross-reactivity

Session 4: Biomolecular resources *Chair: GertJan van Ommen*

17:15 Leena Peltonen: European possibilities and bottlenecks in large scale population studies, any new opportunities provided by FP7?

17:35 GertJan van Ommen: The ESFRI process and research infrastructures 'the biology way'

17:50 Martin Yuille: Building research infrastructure for big biology: some experiences from the UK

Session 5: Large Binder Projects – Future Directions *Chair: Mathias Uhlén*

18:00 Adam Clark: The National Cancer Institute's Clinical Proteomic Technologies Initiative for Cancer

18:30 Michael Lisurek: ChemBioNet: Chemical Biology supported by a Network of Chemists and Biologists

18:45 Marius Ueffing: Overview and …

19:00 … final discussion

19:30 Set out to dinner location

20:00 Dinner at Roosmoos