# International Winterschool 2013 NBIC/SIB: At the intersection of bioinformatics and medicine

**Kandersteg, Switzerland**

**11-15 March 2013**

Bioinformatics has an essential place in the interplay of genomics, drug discovery and clinical diagnostics, and can thus bring new insights to the physicians’ daily work. Bioinformatics is needed, for instance, in massive genome data analysis, data integration, clever data mining, clinical expert systems, variant databases, from protein domain knowledge to phenotype, among many options.

Recognising the importance of bioinformatics in medicine, the SIB and NBIC have joined forces to organise a joint Winter School focusing in the intersection of bioinformatics and medicine. The topics that will be covered by leading scientists in the field include:  cancer genomics and treatments, GWAS studies, analysis of medical records and ontologies, drug testing and design.

**Venue**: Kandersteg, Hotel Alpha Soleil http://www.alfasoleil.ch/

**Dates**: 10-15 March 2013

**Target audience**: PhD students and researchers in bioinformatics and computational biology and related disciplines.

**Maximum number of participants**: 30

**Format**: Lectures, scientific papers’ discussion and practical/hands-on with computers.

**Note**: Participants will bring laptops (with preinstalled software). Wireless connection will be available in the classroom.

**NBIC website**: http://www.nbic.nl/education/nbic-phd-school/winterschool-2013/

**SIB website**: http://www.isb-sib.ch/education/sib-phd-training-network/phd-winter-school-2013.html

**More information:** Registration will open soon. For more information contact Celia van Gelder at education@nbic.nl.

**Programme**

**Day 0: Mar 10 Arrival and welcome dinner**

**Day 1: Mar 11 – Cancer genomics and treatments**

- Niko Beerenwinkel (BSSE, ETHZ, and SIB, CH)

- Florian Markowetz (Cancer Research, UK)

**Day 2: Mar 12 – Drug testing and design**

- Tina Ritschel (Centre Molecular Life Sciences, Radboud Univ. Nijmegen Medical Centre, NL)

- Markus Gastreich (BioSolveIT, D)

**Day 3: Mar 13:** Dedicated to social and networking activities, skiing or any other suitable alternatives.

**Day 4: Mar 14 – GWAS studies**

- Sven Bergmann (University of Lausanne and SIB, CH)

- Han Brunner (Radboud University Nijmegen Medical Centre, and NBIC, NL)

**Day 5: Mar 15 - Analysis of medical records and ontologies**

- Frank van Harmelen (VU University, Amsterdam, NL)

- Janna Hastings (EBI, UK and SIB, CH)