

**Phd Student Position in
Graph Algorithms for Cancer System Biology**
(supported by Swiss National Science Foundation)

The Lymphoma and Genomics Research Program at the Institute of Oncology Research (IOR) and Dalle Molle Institute for Artificial Intelligence (IDSIA) are seeking a PhD Student to work on Graph Algorithms for Cancer System Biology.

The Institute of Oncology Research (IOR, ior.iosio.ch) is part of the Research Division of the Oncology Institute of Southern Switzerland (IOSI), the comprehensive cancer center of the Ente Ospedaliero Cantonale (EOC). IOSI is one of the world referral centers for lymphomas. The Lymphoma and Genomics Research Program has a very strong expertise on performing and analyzing genomic profiling in lymphoid neoplasms.

Dalle Molle Institute for Artificial Intelligence (IDSIA, www.idsia.ch), affiliated with the University of Applied Sciences and Arts of Southern Switzerland (SUPSI, www.supsi.ch) and the University of Lugano (USI, www.usi.ch), is a research institute active on artificial intelligence, evolutionary computation, combinatorial optimization and imprecise probability. IDSIA is small but visible, competitive, and influential. The "X-Lab Survey" by Business Week Magazine ranked IDSIA among the world's top ten labs in Artificial Intelligence.

We are looking for an outstanding Ph.D. student with excellent background on algorithms and optimization on graphs as well as computer programming skills. Experience in bioinformatics is not strictly required but highly desirable. The applicant must have completed Master studies in computer science, bioinformatics, or a closely related field prior to starting the program.

The position is funded by the Swiss National Science Foundation (SNSF, www.snf.ch). The initial appointment will be for 3 years. The gross salary is roughly 42,000 CHF (Swiss Francs) for the first year, 45,000 CHF for the second year and 48,000 CHF for the third year (taxes 20-25%). IOR and IDSIA offer a stimulating international environment (English is the official language). The position is suitable for students no older than 35 years.

The candidate will work in close collaboration with:

- Ivo Kwee (IOR/IDSIA), expert in bioinformatics
- Francesco Bertoni (IOR/IOSI), expert in lymphomas and cancer genomics
- Roberto Montemanni (IDSIA), expert in algorithms and optimization

Applicants should submit as soon as possible:

- (i) Detailed curriculum vitae et studiorum
- (ii) Letter of presentation and motivation.
- (iii) List of at most three references and their email addresses.

Please send all documents via email to roberto@idsia.ch (with subject "PhD Bioinformatics 2013").

Contact persons:

Dr. Ivo Kwee	Prof. Roberto Montemanni
IOR/IDSIA	IDSIA/SUPSI
ivo@idsia.ch	roberto@idsia.ch

APPLICATION DEADLINE: May 1st 2013.

We guarantee that the selection process, based solely on the research records, will give equal opportunities to female and male researchers.