



Experimental and Translational Medicine PhD course

Varese, 29th January 2018

Exploring the human proteome in health and disease using **neXtProt** and semantic web technologies

Lecturers:

Dr. Lydie Lane

CALIPHO group co-director
SIB-Swiss Institute of Bioinformatics
University of Geneva

Dr. Paula Debora Duek Roggli

CALIPHO senior data analyst
SIB-Swiss Institute of Bioinformatics
University of Geneva

9-12:15 Seminars

Aula Magna, Collegio Carlo Cattaneo

- ⇒ Integrative protein knowledgebases: from UniprotKB to neXtProt
- ⇒ The importance of standards and ontologies for resource interoperability
- ⇒ Visualizing protein-protein interaction networks using Cytoscape
- ⇒ Exploring the human proteome using neXtProt SPARQL advanced query tool

13:30-17:30 Practicals

Aula Informatica Info3, via Montegeneroso

Groups of 2 or 3 students . Each group will be given a protein and will have to explore various resources to propose functional hypotheses. Election of the "best hypothesis" and discussion of a possible experimental protocol to apply.

*Please register to the practicals section sending an e-mail to scuola.dottorato@uninsubria.it
Priority will be given to PhD students of the Experimental and Translational Medicine Course*