

PhD programme “Complex Systems for Life Sciences” University of Torino



This PhD programme offers a strong interdisciplinary training through research projects in the area of post-genomic biology. We use a combined computational and experimental approach supported by theoretical modelling, rooted in theoretical physics, engineering and mathematics. The full integration between biomedicine and exact sciences is the ground of contemporary approaches to complex biological systems

Applications:

Our PhD programme is open to students with Master Degree in Medicine, Biology-Biotechnology, Physics, Mathematics, Engineering and Computer Sciences. Prospective students are expected to have excellent grades, broad scientific interests and a commitment to interdisciplinary research.

Research projects include Genomics, Transcriptomics, Epigenomics, molecular regulatory networks and mathematical modeling applied to basic cell biology problems, as well as to human disease including cancer.

Preapplication deadline : 20 february

Students may send a pre-application (including cv plus statement of interests) by e-mailing alessandra.fiorio@unito.it (bio-medical background) or caselle@to.infn.it (background exact sciences) or the coordinator michele.debortoli@unito.it.

The call for application will be open in March 2018:
website: <http://dott-scsv.campusnet.unito.it/do/home.pl>

Faculty (Local members)

Marco Botta, Federico Bussolino, Raffaele Calogero, Michele Caselle, Francesca Cordero, Michele De Bortoli, Elisa Ficarra, Alessandra Fiorio Plà, Ada Funaro, Enrico Giraud, Caterina Guiot, Andras Horvat, Daniele Mancardi, Enzo Medico, Elisa Menegatti, Luca Munaron, Salvatore Oliviero, Andrea Pagnani, Luigi Preziosi, Luca Primo, Francesco Retta, Dario Roccatello, Dario Sangiolo, Marco Scianna, Guido Serini, Ezio Venturino.

External Members:

Ghislain Bidaut (Marseilles, FR); Marco Cosentino Lagomarsino (Paris, FR); Giovanna Chiorino (Biella, It); Luciano Di Croce (Barcelona, Sp); Danny Incarnato (Torino, It); Duccio Medini (GSK, Siena, It); Elia Stupka (Boston, Ma, USA); Denis Thieffry (Paris, Fr); Massimo Vergassola (La Jolla, Ca, USA); Mihaela Zavolan (Basel, Sw).