

# 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:

This 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 strong 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: February 25

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

The call for application will be published in March 2019.

Please visit: <https://dott-scsv.campusnet.unito.it/do/home.pl>  
<https://www.unito.it/ricerca/fare-ricerca-unito/dottorati-di-ricerca>

#### Faculty

Local Members: Marco Botta, Federico Bussolino, Raffaele Calogero, Michele Caselle, Francesca Cordero, Michele De Bortoli, Elisa Ficarra, Alessandra Fiorio Plà, Ada Funaro, Enrico Giraudo, 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, Ferdinando Di Cunto, Piero Fariselli

External Members: Ghislain Bidaut (Marseilles, FR); Giovanna Chiorino (Biella, It); Luciano Di Croce (Barcelona, Sp); Danny Incarnato (Gronigen, NL); Duccio Medini (GSK, Siena, It); Denis Thieffry (Paris, Fr); Massimo Vergassola (La Jolla, Ca, USA); Mihaela Zavolan (Basel, Sw).