



PhD in DATA ANALYTICS AND DECISION SCIENCES - 40th cycle

THEMATIC Research Field: DATA SCIENCE FOR SINGLE CELL DATA IN CANCER RESEARCH

Monthly net income of PhDscholarship (max 36 months)

€ 1400.0

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

Motivation and objectives of the research in this field	The aim of the PhD project is developing new computational methods based on machine learning and mathematical modelling to interpret single cell genomic datasets that our lab generates from human tissues and model systems.
Methods and techniques that will be developed and used to carry out the research	We will use unsupervised deep learning approaches for dimensionality reduction and integration of the data.
Educational objectives	Graduate will be equipped to become an innovative data scientists, proficient in developing cutting-edge computational methods tailored for high-throughput data in biomedicine.
Job opportunities	Career in academia or industry.
Composition of the research group	1 Full Professors 1 Associated Professors 2 Assistant Professors 10 PhD Students
Name of the research directors	Francesca Ieva, Andrea Sottoriva (HT)

Contacts

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<https://mox.polimi.it/research-areas/health-analytics/>



Andrea Sottoriva (HT)
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Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents (more than 80Km out of Milano)	--

Scholarship Increase for a period abroad	
Amount monthly	700.0 €
By number of months	12

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information

List of Universities, Companies, Agencies and/or National or International Institutions that are cooperating in the research
 Computational Biology Research Centre (HT)

Additional support

Educational activities (purchase of study books and material, funding for participation in courses, summer schools, workshops and conferences):

financial aid per PhD student per year:

1st year: max 1.902,38 euro per student

2nd year: max 1.902,38 euro per student

3rd year: max 1.902,38 euro per student

Teaching and lab assistantship: availability of funding in recognition of supporting teaching and lab activities by the PhD student.

Further support is available for students who engage in activities of teaching or additional lab duties coherent with their academic mission and doctoral training.

The PhD student is encouraged to take part in these activities, within the limits allowed by the regulations.

Computer availability:

1 st year: individual use

2 nd year: individual use

3 rd year: individual use

Desk availability:

1 st year: individual use

2 nd year: individual use



3 rd year: individual use