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**Fondazione The Microsoft Research - University of Trento Centre for Computational and Systems Biology (COSBI)**

## Job Offer

### Senior Researcher in Systems Biology

**Location: Rovereto, Italy**

#### **About Us:**

COSBI is a research center dedicated to advancing the field of computational and systems biology and its applications in pharmacology and precision medicine. Our center fosters interdisciplinary, cutting-edge research to unravel complex biological phenomena and develop innovative solutions for biomedical challenges. We have a strong track record of collaborations with external partners, including leading research centers and pharmaceutical organizations, providing ample opportunities for industry connections.

#### **Job Description:**

We are seeking a highly skilled and enthusiastic senior researcher to join our team and contribute to our ongoing projects. With this position, we aim to deepen our expertise in data analysis and integration.

As a senior researcher, you will have a pivotal role in applying computational tools and methodologies to gain insights into complex biological systems, generate hypotheses for novel therapeutic targets, and identify potential drug repurposing opportunities.

The position offers an exciting opportunity to work with a diverse and collaborative team of experts in the field and engage in collaborative research with external partners. We encourage candidates who are interested in bridging academia and industry to apply. Although a thorough understanding of biological processes is essential, this position is not intended for wet-lab-oriented researchers.

#### **Responsibilities:**

- Apply computational methods to analyze and integrate biological data, with a specific focus on omics datasets.
- Develop innovative computational approaches to identify potential therapeutic targets.
- Collaborate with internal multidisciplinary teams and external partners.
- Supervise project teams.
- Share the results of COSBI research through regular meetings with collaborators and scientific publications in high-impact scientific journals.



#### Qualifications:

- Ph.D. in Computational Biology, Quantitative Biology, Bioinformatics, Systems Biology, Biostatistics, or a related field.
- Knowledge of network analysis, pathway analysis, and statistical methods for biological data.
- Proficiency in programming languages commonly used in bioinformatics (e.g., Python, R).
- Experience with the analysis of large-scale omics datasets (e.g., genomics, transcriptomics).
- Familiarity with drug repurposing strategies and computational target identification is desirable.
- Excellent problem-solving skills and ability to work both independently and collaboratively.
- Strong communication skills, with a track record of scientific publications and conference presentations.

#### Application Process:

Interested candidates should submit the following documents:

- Curriculum vitae (CV) highlighting research experience and relevant publications.
- Cover letter describing research interests, motivation, and fit for the position.
- Contact information for three professional references.

Please email your application as a single PDF file to [hr@cosbi.eu](mailto:hr@cosbi.eu). Please use "Senior Researcher Application - Systems Biology" as the subject line.

We offer an attractive salary and benefits commensurate with experience. The position is a full-time job and is available immediately. Only shortlisted candidates will be contacted.

COSBI is an equal opportunity employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, gender identity and expression, age.

Applicants can send their application letter, CV along with full contact information of three referees to [hr@cosbi.eu](mailto:hr@cosbi.eu) and authorize the handling of personal information according to Law 196/03.