

CohesiNet: “Cohesin and its regulators: from chromosome dynamics and nuclear architecture to human diseases”, funded by the Horizon Europe Marie Skłodowska-Curie Action Doctoral Network 2021 (Grant Agreement n. 101072505) CUP B63C23000420006 Accertamento n. 5652 del 16.06.2023 - Pdg Gestionale - Variazione Entrata n. 3453/2023

Call for the assignment of 2 PhD positions (level: early-stage researcher, ESR1) to be recruited at IBBC - CNR, Via P. Castellino, 111, 80131 – Naples, Italy.

Deadline: 18.07.2023 at 12:00



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Call for Applications

for the assignment of **2 PhD** positions (level: early-stage researcher - ESR1) to be recruited at IBBC – CNR (Naples site), Via Pietro Castellino, 111, 80131- Naples, Italy.

The offered positions will start in December 2023 and last three years. The 2 recruited Doctoral Candidates will be enrolled in the PhD school in "Molecular Biosciences" of the *Università della Campania Luigi Vanvitelli* (UVAN). They will participate in an exciting multidisciplinary research programme that will enhance their career perspectives in both the academic and non-academic sector. In addition to their individual projects, the recruited Doctoral Candidates will benefit from a dedicated training programme consisting of local and network wide training activities aimed at improving their scientific knowledge and transferable skills.

The CohesiNet consortium includes the following 8 European institutions as Beneficiaries: *Consiglio Nazionale delle Ricerche* (CNR), Naples, Italy; IFOM - *Istituto Fondazione di Oncologia Molecolare* ETS, Milano, Italia; *Centre De Biologie Integrative* - CNRS, Toulouse, France; *Instituto Gulbenkian de Ciência*, Oeiras, Portugal; Research Institute of Molecular Pathology, Vienna, Austria; Amsterdam University Medical Center, Amsterdam, Netherlands; *Centro Nacional de Investigaciones Oncológicas*, Madrid, Spain; Lumicks B. V., Amsterdam, Netherlands.

The CohesiNet action (website: <https://cordis.europa.eu/project/id/101072505>; <https://www.cohesinet.eu/>) is coordinated by Francesca M. Pisani (*Istituto di Biochimica e Biologia Cellulare* - CNR, Naples, Italy).

Research projects

The 2 proposed projects are the following:

Project for Position # 1:

Title: *Role of DDX11, the Warsaw breakage syndrome DNA helicase, at the interface between chromosomal cohesion and replication.*

Keywords: molecular biology, gene editing, cell biology, protein/protein interaction analysis.

Project for Position # 2:

Title: *In vitro reconstitution of the de novo human cohesin loading pathway operating at the DNA replication fork.*

Keywords: molecular biology, correlative optical tweezers fluorescence microscopy for single-molecule studies, biochemistry.

Benefits

- 3-year full-time employment contract in accordance with the rules of the European Commission (http://ec.europa.eu/research/mariecurieactions/careers_en.htm). The Doctoral Candidates will receive a Monthly Living Allowance plus a Mobility Allowance compliant with the applicable EC Marie Skłodowska - Curie Actions – Horizon Europe Doctoral Networks (<https://marie-skłodowska-curie-actions.ec.europa.eu/calls/msca-doctoral-networks-2021>)
- Enrolment in the PhD school in "Molecular Biosciences" of the *Università della Campania Luigi Vanvitelli* (UVAN).
- Access to state-of-the-art research and supervision by recognized experts
- Participation in network-wide training activities, schools and conferences
- Secondments periods at other network partners' labs.

Requirements

Candidates must comply with the following requirements:

- Have not been resident or have conducted main activity (studies, work, etc.) for more than 12 months within the last three years in Italy.
- Have not been awarded a doctoral degree.
- Be fluent in English.

Evaluation criteria and selection procedure

After finding the candidate's eligibility, the evaluation will consist of two selection steps: the first based on the documentation provided by the candidates and the second based on an interview.

Within each step, the marks given for each criterion by the reviewers will be used against an established pass/fail threshold.

The following evaluation criteria will be applied respectively in the first and second selection step:

First selection step

Criterion	Mark (min/max)	Comments
Education and previous training	0/5	Points will be assigned based on: level and relevance of their educational and scientific pathway, including participation to congresses and publications (CV). Evaluation of the marks obtained for each exam and of the relevance of the study plan with respect to the CohesiNet PhD projects proposed
Aptitude to carry out an individual project	0/5	Points will be assigned based on: research work and research experiences (CV), active participation in research projects
Scientific quality and potential for excellence	0/5	Points will be assigned based on: degree of interest in research and in the research topic, determination in following a research career (from the candidates' motivation letters and CV)
Impact/benefit of training on candidate's individual research career	0/5	Points will be assigned based on: (1) competence on the research topics (CV); and (2) how important could be this position for the development of the students' career
Reference letters	0/5	Points will be assigned based on the following elements: 1) level of detail, 2) specific information about the candidate, 3) knowledge about the candidate, and 4) profile of the candidate
Overall Threshold to pass this evaluation step is 3/5 for each criterion		

Second selection step

Criterion	Mark (min/max)	Comments
Scientific knowledge in the field of interest	0/5	Applicants will be invited to describe their scientific profile with respect to the CohesiNet PhD projects proposed
Research experience in the field of interest	0/5	Applicants will be invited to talk about their competence and experience during the Master's Degree
Motivation	0/5	Interest of Applicants in pursuing a career in research will be evaluated
English	0/5	Fluency in English will be evaluated
Overall vision	0/5	Applicants will be evaluated based on organization, sequencing, content, motivation, vocabulary and word choice, logical and critical thinking, originality and creativity, capacity to work in team emerged during the interview
Overall threshold to be included in the final ranked list is 3/5 for each criterion		

Composition of the Evaluation Committee

The evaluation procedure will be carried out by CohesiNet Project Coordinator, dealing with the administrative and formal requirements of the applications; a Scientific Evaluation Committee

(SEC), reviewing the scientific quality of the applications (step 1 and 2) composed of 3 qualified members.

Deadline and procedure for the submission of the application

Deadline for application is 18 July 2023 at 12:00.

All the documents must be sent before 18 July 2023 at 12:00 through e-mail to:
cohesinet.management@ibbc.cnr.it.

1. A motivation letter (max. two pages).
2. A CV including the details of education/qualifications, work experience, language skills and other relevant skills; indication of at least two Scientists for reference letters.
3. A certified/signed copy of a recent transcript of exams taken with relative mark. A signed copy of Master of Science certificate or equivalent document".
4. Position each candidate is interested in.

Indicative date for the interview

The interview of candidates passing the first step of the evaluation procedure will be carried out through *Teams* starting 24 July 2023.

Appointment conditions

The candidates with the highest scores will receive a notification of appointment and will be asked to accept the offered position within 15 days of notification.

The selected candidates will have to start their research activity by December 2023.

CNR will stipulate a fellowship grant contract.

The overall gross remuneration, will include:

- a living allowance of 3311,60 €/month that will be paid in monthly instalment;
- a mobility allowance of 600,00 €/month;
- a family allowance of 495,00 €/month.

For any further information please contact: cohesinet.management@ibbc.cnr.it

Dr. Giuseppe Sconocchia

Acting Director of IBBC - CNR