



The **Laimburg Research Centre** is the leading research institute for agriculture and food quality in South Tyrol (Italy). We operate mainly in applied research with the aim of increasing the competitiveness and sustainability of South Tyrolean agriculture and of ensuring the quality of agricultural products.

For the research project BRIDGE "Exploring Bioactivity of Natural Compounds: From Encapsulation Strategies to Drug Discovery for Biomedical Targets", funded by Research Südtirol (call 2024), CUP H33C26000290005, the working group "Laboratory of NMR Spectroscopy" at Laimburg Research Centre is looking for:

1 scientific collaborator (f/m/d)

code BR.26-NMR-02.22

Job Description

The project aims to identify, characterize, and optimize bioactive compounds derived from apple and grape by-products, as well as elucidate their molecular mechanisms of action against protein aggregation associated with neurodegenerative diseases. The areas of responsibility are as follows:

- Expression, purification, and characterization of recombinant amyloidogenic proteins
- Development and application of NMR methods to study protein aggregation and protein–ligand interactions
- Screening of natural extracts, purified compounds, and encapsulated formulations as aggregation inhibitors using NMR spectroscopy and LC-MS
- Investigation of the molecular mechanisms underlying inhibition of amyloid formation
- Analysis of aggregation kinetics and biophysical data
- Preparation of scientific reports, publications, and presentations
- Collaboration with project partners in natural product chemistry, encapsulation technologies, and computational drug discovery

Mandatory requirements

- Completed university studies of at least three years attested by a diploma in chemistry, biotechnology, natural sciences or similar
- Good knowledge of Italian or German (C1 level) language - to be evaluated during the interview
- Good knowledge of English (B2 level) - to be evaluated during the interview.

For this position, the following qualifications and competencies will be evaluated:

- Experience in solution NMR spectroscopy (including experimental setup, pulse sequence implementation, and NMR data analysis)
- Experience in data fitting, kinetic modelling, and the use of common computational tools for data analysis
- Knowledge in expression, purification, and characterization of recombinant amyloidogenic proteins
- Scholarships and research grants (**please specify in your CV**) in fields related to the position's research topics
- Participation in national and international conferences (**please specify in your CV if this involved a stay abroad**)
- Publication list with focus on organic chemistry, physical chemistry or chemistry of natural products
- Availability to start by November 1st, 2026
- Good organizational and communication skills
- High motivation, ability to work independently, and strong team-working skills.

Workplace: NOI Techpark, Via A. Volta n.13, 39100 Bolzano / Bozen.

Contract duration: until 31.08.2029, fulltime





Applications must arrive by and not later than August 31st, 2026 – 12.00 a.m.

Additional informations

We look forward to receiving **your application including:**

- letter of motivation
- Curriculum Vitae, including a list of publications
- Copy of a valid identity card (must **always** be included)

If the valid ID card is not submitted, the application cannot be taken into consideration.

Attention: *please be sure that the submitted documents do not contain data belonging to the special categories of personal data as referred to in art. 9 of the General Data Protection Regulation N. 679/2016 (for example data concerning health, data revealing religious beliefs).*

This is a full-time position (39 hours/week). The regular place of work will be Laimburg Research Centre at NOI Techpark, Via A.Volta, n.13, 39100 Bozen (BZ). Classification is based on the category according to the Agricultural collective agreement. The classification is based on the category "employee" in the 2nd category, according to the collective agricultural agreement and the salary is based on the 7-ter category according to the classification of the staff of the Autonomous Province of Bolzano, with possible recognition of professional experience gained.

The gross annual salary ranges from € 36.309 to € 46.960, calculated on the basis of a full-time position of 39 hours per week. The actual pay grade is determined on the basis of educational qualifications, recognised professional experience and possession of a bilingualism certificate. Any bonuses are not included in the salary stated.

The general rules for temporary jobs at the Laimburg Research Centre are described in the framework call, available at <https://www.laimburg.it/de/transparente-verwaltung/personal> (DE) and <https://www.laimburg.it/it/amministrazione-trasparente/personale> (IT).

Personal suitability may be assessed by means of a structured questionnaire, which may amount to up to 30% of the overall mark. During the interview, a written assessment of the competences specified in the job advertisement may also be carried out. A ranking list will be published (<https://www.laimburg.it/it/amministrazione-trasparente/archivio-bandi-concorso>) after the selection procedure has been completed. Candidates' names will be replaced by an identification code, which will be sent to each candidate as part of their application.

During the one-year period after approval of the ranking list, suitable candidates may also be recruited for other positions and in other areas, if required and if additional positions are available.

General requirements for admission to proceedings:

- full possession of political and civil rights
- full possession of the legal conditions and permits allowing an employment relationship in Italy
- no criminal convictions or ongoing legal proceedings which - at the discretion of Laimburg Research Centre - are incompatible with admission or make such admission appear inappropriate

For more information, please visit our homepage <https://www.laimburg.it/it/home> or contact us by phone.

Equal opportunities and protected categories: According to Law no. 903, 9/12/1977, art. 1, the position is open to both genders. The policy and practice of Laimburg Research Centre require that all staff are offered equal opportunities within employment. The procedure is published in accordance with the provisions of Law No 68 of 12 March 1999, as subsequently amended (Rules on the right to work of the disabled and other protected categories).





Data processing: The data controller is Laimburg Research Centre, which will process the data for the purposes of recruitment, using computer and paper-based systems. The data protection officer of Laimburg Research Centre can be contacted by e-mail Privacy@laimburg.it. At the beginning of the procedure, personal data are processed exclusively by the staff authorized by Laimburg Research Centre. All information is available on the website of Laimburg Research Centre, section "Transparent Administration / Human Resources" ([INFORMATION ÜBER DIE VERARBEITUNG DER PERSONENBEZOGENEN DATEN FÜR BEWERBER/INNEN](#)).

