

### **Third level Researcher (R3; PostDoc) in the field of RNA-Seq**

**Location:** Fondazione Edmund Mach

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Fixed-time (30 months) third level Researcher (R3; PostDoc) in the field of RNA-Seq available at the Edmund Mach Foundation, funded by the HEU project BRYOMOLECULES (<https://bryomolecules.eu/>).

The BRYOMOLECULES project, started on September 1<sup>st</sup> 2024, aims to explore the untapped potential of EU bryophytes (mosses and liverworts) to develop innovative, sustainable bioactive compounds for use in cosmetics and pharmaceuticals while contributing to the EU Green Deal.

#### **Key Responsibilities:**

- Assemble and annotate multiple *de novo* transcriptomes from bryophytes
- Carry out gene mining: identify and select candidate genes from transcriptome data sets obtained from different bryophyte species
- Develop methods for the integration of different data sources aimed at the identification of candidate biosynthetic genes for added value metabolites
- Contribute to establish an online database of the major biosynthetic pathways for secondary metabolism in bryophytes

This position will provide a unique professional experience at the interface between fundamental and applied research, allowing the successful candidate to develop her/his own research ideas aligned with the project's goals

#### **We are looking for:**

Proficiency in *de novo* RNA-Seq

Strong self-motivation, adaptability and passion for research

Good capacity to work in collaborative, interdisciplinary teams

Applications are now open and require passing a formal selection.

**Deadline:** October 22nd, 2024.

Visit [Third level Researcher \(R3\) in the field of Plant RNA-Seq - Recruiting for the formation of a ranking for temporary positions \(368\\_CRI\\_PRS\)](#)

for more information contact

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