

RARETRIPS: An Interdisciplinary Training Program in Genomics for Rare Diseases

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amU initiated **23 thematic institutes** to promote **interdisciplinarity** by federating research, education and social impact around strategic scientific challenges

The **Marseille Maladies Rares Institute (MarMaRa)** supports research and teaching activities (PhD program, trainings, seminars, calls for proposals....) in the rare diseases' field

In 2024, **MarMaRa** was awarded with the **A*MIDEX** TRIPs call. This project aims to train students by & for research, and facilitate access to research facilities & technological **platforms**

TGML facilities were upgraded to ERP5 public-access building standards for educational use

RARETRIPS projects - 2026:

1- Practical laboratory sessions (TPs)



2- Visits adaptes to all academic levels

Bachelor', Master', & Doctoral (PhD) students:

- Undergraduate students (L2 BiBBi)
- Master's students (Master' Immunology, Biology and Health)
- Engineering students (Polytech)

3- BYOS - *Bring Your Own Samples*



BYOS - Spring session (13-17 April 2026)

What?

A hands-on training program where participants analyze their own samples using a "*learning by research*" approach in **bulk RNA-seq**.

Who?

Final-year Master' & PhD students, and early-career researchers.

When?

Twice a year: spring and fall.

How?

An intensive workshop covering the full **bulk RNA-seq workflow**, from experimental design to data analysis, using **advanced sequencing technologies** and participants' own samples/projects.