

# Training Opportunities: Bash Scripting & Nextflow with Singularity



**Braga (Portugal), 09 September 2024** – The Belgian Coordinated Collections of Microorganisms (BCCM), the consortium that centralizes the seven biological resource centres which are part of MIRRI-ERIC Belgium node, is offering two new training courses aimed at enhancing command-line skills and workflow automation for bioinformatics professionals

## **BCCM Online Bash Command Line Training**

This one-day course provides a hands-on introduction to Bash scripting, designed to give participants a solid foundation for efficient computing. No prior experience is required, and by the end of the training, attendees will be able to independently create their own scripts. With a small group format, the course encourages active engagement, supported by quizzes and practical exercises.

## **BCCM Online Nextflow - Singularity Training**

This three-day course will focus on Nextflow workflow coding and Singularity (Apptainer) containers, which together enable high reproducibility and portability across operating systems in bioinformatics analyses. No prior skills in Nextflow or Singularity are required,



though basic familiarity with the Bash command line is recommended. For those interested, a one-day Bash command line course is offered as a preparatory session.

Both training sessions will be conducted by experienced instructors and designed to promote active participation and hands-on learning. Participants can expect to reach Level 3 of Bloom's taxonomy, demonstrating the ability to apply learned concepts in practical settings.

For more information and registration details, visit:

[BCCM Online Bash Command Line Training](#)

[BCCM Online Nextflow - Singularity Training](#)

#### **ABOUT MIRRI:**

The **Microbial Resource Research Infrastructure – European Research Infrastructure Consortium (MIRRI-ERIC)** is the pan-European distributed Research Infrastructure for the preservation, systematic investigation, provision and valorisation of microbial resources and biodiversity. It brings together ~50 microbial domain Biological Resource Centres (mBRCs), culture collections and research institutes. MIRRI serves the bioscience and the bioindustry communities by facilitating the access, through a single point, to the broadest range of high-quality microorganisms, their derivatives, associated data and services, with a special focus on the domains of Health & Food, Agro-Food, and Environment & Energy. By serving its users, by collaborating with other research infrastructures and by working with public authorities and policy makers, MIRRI contributes to the advancement of research and innovation in life sciences and biotechnology, as well as for a sustainable, competitive and resilient bioeconomy. For more information, please visit [www.mirri.org](http://www.mirri.org) and <https://www.linkedin.com/company/microbial-resource-research-infrastructure/>.

#### **MEDIA CONTACTS:**

##### ***MIRRI***

Ana Ferreira  
info@mirri.org

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