

## Application for a 2-weeks hands-on Biomanufacturing Training in Trieste, Italy

### Background

The International Centre for Genetic Engineering and Biotechnology (ICGEB) was established as a Centre of excellence for research and training in molecular biology and biotechnology with the goal of promoting sustainable global development. Launched in 1987 as a special project of UNIDO, the United Nations Industrial Development Organisation, it became an autonomous intergovernmental organisation in 1994. As of today, the Centre includes 66 member countries. The ICGEB has its HQs in Trieste, Italy, and two premises in New Delhi, India, and Cape Town, South Africa.

In this context, training, and transfer of technology to industry is one of the major goals of the Centre. The Biotechnology Development Unit (BDU), located in Trieste, focuses on the development of technologies to produce biotherapeutic products and technology transfer (<https://icgeb-bdu.org/>). The objective of the BDU is to facilitate the availability of high quality biotherapeutics by increasing the know-how and capabilities of the pharmaceutical industry in ICGEB Member States. The BDU offers top-level training in the production of biotherapeutics that relies on over 30 years of in-house experience of BDU staff in the transfer of practical know-how for a list of 12 essential biotherapeutics

### SUMMARY OF THE ACTION

**Number of trainees:** Three (3) from the CANTAM Network of Excellence institutions

**Type of training:** 2-week hands-on biomanufacturing training + networking event with ICGEB scientists.

**When:** 18 -29 November 2024

**Where:** Biotechnology Development Unit GMP-like facility, ICGEB, Trieste, Italy

### Target Groups:

This training is aimed at NoE candidates (BSc, MSc, PhD and postdoc), technicians, engineers and managers based at the EDCTP Regional NoEs who have studied a subject or discipline in Life Sciences but have limited experience in bioprocessing. With this training participants will gain

insight and experience in the GMP principles in biopharma industry. Upon return to their own institution, trainees will be able to implement gained skills and qualify for jobs in R&D departments, production sites, quality control labs, and development of analytical methods, within the biopharmaceutical industry.

***Expected impacts:***

- 12 (from all the four NoEs) persons trained in bioprocessing for the production and quality control of Filgrastim
- Enhanced human capital of LMICs of origin with reference to bioprocessing
- In the medium term, promotion and application of best practices and standards for production of biotherapeutics promoted across LMICs
- In the long-term, increased biotechnology know-how and technical capacity to produce biotherapeutics in involved countries, with potential positive impact on local pharmaceutical sector and health care systems, and in general, on availability and access to cost effective medicines.

***What's included in the package:***

- Biomanufacturing hands-on training (2 weeks, 18-29 November 2024): theoretical and practical
- Return flights for the participants (Trieste or Venice Airports, Italy)
- Reimbursement of VISA costs Local transportation to/from Airport (Trieste or Venice airports, Italy)
- Accommodation with breakfast
- Daily Sustenance Allowance (DSA): daily sum for lunch, dinners and local transportation

***Please note*** that transportation costs in the country of origin are not included

**How to apply**

Applications must be submitted through email to CANTAM Secretariat : [info@fcrm-congo.com](mailto:info@fcrm-congo.com), and [nkahleo@gmail.com](mailto:nkahleo@gmail.com)

The Application package should contain the following:

- A motivational statement of not more than 300 words indicating the professional development plan of the applicant during and after the training.
- One page concept notes of the proposed research project
- A recent CV indicating previous and/or current employer(s) and position(s) held, as well as a list of peer reviewed publications (if any). Maximum of 2 pages.
- Copies of academic transcripts and relevant certificates
- Supporting letters from two professional referees, together with their telephone numbers, institutional addresses and e-mail addresses.
- Daytime contact details of the applicant including email, and telephone contacts.
- Valid passport.

**Closing date for receipt of applications is 5:00pm (WAT) on Tuesday 16<sup>th</sup> August 2024.**

**NB:** The selection of candidates will involve a 2-step process that will be based on review of motivational statement and assessment of the concept note. Shortlisted candidates will be invited for virtual or face-to-face interviews if conditions allow.

