



SOUTHERN AFRICAN BIOMANUFACTURING TRAINING HUB



**science, technology
& innovation**

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



CSIR

Touching lives through innovation



**SOUTHERN AFRICAN
BIOMANUFACTURING TRAINING HUB**



The CSIR-hosted **Southern African Biomanufacturing Training Hub (SA-BTH)** is pleased to announce the commencement of a course titled: "From Lab to Market: Formulating Microbes for Commercial Success" (I-BTH01), scheduled to start on Monday, **5 October 2026**. The course forms part of the Strengthening Biomanufacturing Capabilities in Southern Africa programme, which is supported by KfW Development Bank.

The programme aims to support training and development in the biomanufacturing sector, with a focus on developing a skilled and competent workforce across Africa.

FROM LAB TO MARKET: FORMULATING MICROBES FOR COMMERCIAL SUCCESS (I-BTH01)

The Biomanufacturing Training Hub's goal in offering this course is to support the growth and development of the biomanufacturing sector across the African continent through cutting-edge training delivered in partnership with local and international stakeholders.

The course is intended for African manufacturers, scientists and other key stakeholders involved in the development and scaling-up of biomanufacturing processes and products. A key objective of this programme is to provide theoretical and practical, hands-on training and skills development that will enable local manufacturing of biologics, vaccines, recombinant proteins and therapeutics. The programme aligns with several other initiatives aimed at establishing vibrant biomanufacturing industries in Africa.

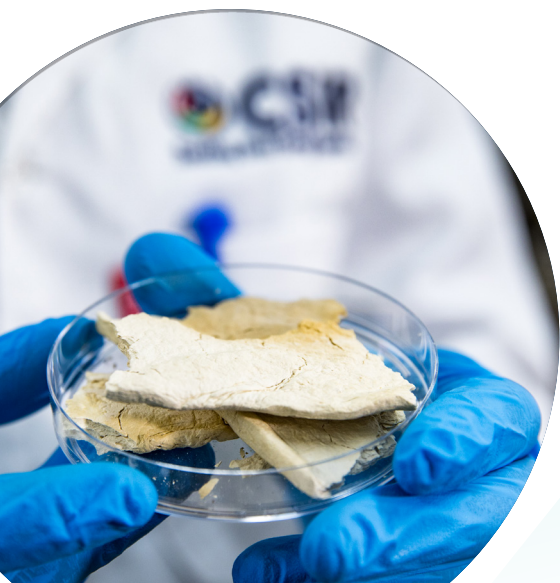
COURSE DESCRIPTION

This course equips scientists, technicians and biomanufacturing personnel with the theoretical knowledge and practical competencies required to transform microbial bioactives into stable, effective, products that meet end-user specifications. Participants will learn about the different formulation techniques used in the production of products for industrial, agriculture and environmental sectors. These products include, but are not limited to, enzymes, agricultural products and probiotics.

The course will be delivered in person through a model of applied and advanced knowledge transfer, combining classroom-based lectures and hands-on training.

KEY AREAS OF DEVELOPMENT INCLUDE:

- Key considerations for selecting microbial strains;
- Principles of product formulation;
- Stabilisation and preservation techniques specific to bio-based products;
- Designing production workflows for microbial formulations;
- Quality assurance; and
- Packaging, shelf life and delivery mechanisms for biobased products.





COURSE DATE AND DURATION

DATE: 5 – 9 OCTOBER 2026

DURATION: FIVE DAYS (IN PERSON AT THE CSIR, PRETORIA CAMPUS, SOUTH AFRICA)



COURSE DELIVERY

The course is delivered in person through a combination of:

- Hands-on training; and
- Classroom-based lectures.



COST AND FINANCING

Please note that a maximum of 20 candidates will be selected. For South African candidates, the funding package includes:

- Full course fees;
- Travel expenses (flights for up to 10 participants from outside Gauteng) and accommodation for the duration of the on-site training;
- One return ground transport between the airport and the accommodation; and
- Daily ground transport between the accommodation and the CSIR (designated course venue)

Scholarships will be awarded to five participants from Africa based on the motivations submitted.

Please note that subsistence and travel allowances will not be covered.

WHO SHOULD ATTEND?

Preference will be given to the following candidates:

- Current staff in the biomanufacturing sector requiring skills expansion/upgrading;
- New or developing staff in the biomanufacturing sector;
- Identified staff or new recruits for a biomanufacturing facility; and
- Staff from biomanufacturing facilities currently under construction that will require a skilled workforce.

APPLICATIONS from qualified persons from all African Union member states will be accepted. Young African women are encouraged to apply. Participation will only be available to candidates holding a biological science or related engineering degree or diploma. For enquiries, please email **BIDC@csir.co.za**.

IMPORTANT DATES

- **Deadline** for submission of applications: **4 September 2026**
- **Selected candidates** will be notified by: **14 September 2026**

Applications should be submitted by completing the application form available [here](#).

