

WORKSHOP | 14 -25 Aug 2017

CSIR BIOPROCESSING

OVERVIEW: The CSIR bioprocessing workshop course runs for two weeks and will cover the key aspects of bioprocess product development and process technology. The first week will cover the theoretical aspects of bioprocess and product development as well as the associated equipment and control philosophy. This will be followed by a week of intensive hands on practical training, data handling and reporting. Training includes a full production batch from cryopreserved culture to fermentation, down-stream processing and final product packaging.

THE FOLLOWING ASPECTS WILL BE COVERED

- An introduction to bioprocessing;
- Upstream process development – theory;
- Downstream process development – theory;
- Fermentation operations and equipment training;
- Control systems;
- Industrial microbiology;
- Hands on production of a biotechnology product.

This course will be presented in an interactive manner with a list of tasks and group activities. Individuals involved in bioprocess and product development and bio-manufacturing who are at the more advanced stages of their careers would be suitable candidates. Participants need at least an intermediate level of knowledge and expertise in fermentation technology and industrial microbiology and must be willing to work long hours and shifts for the duration of the course.

FACILITATOR: The course will be presented by Dheepak Maharajh and members of the CSIR bioprocessing team. Maharajh holds an MSc degree in bioprocess engineering from Stellenbosch University and has developed several technologies for commercialisation. He is currently a research group leader for the CSIR bioprocessing group, with more than 19 years of experience in research, development, piloting and full-scale manufacture of various products.

ACCOMMODATION: Any travel and/or accommodation arrangements are the responsibility of the delegates or their employers.

COSTS: **R25 000** per participant (refreshment and lunch included for the first week). *Course will only be presented for a minimum of 15 participants. For payment please contact Hope Netshiya for a proforma invoice.

BANKING DETAILS: For payment use reference code 44BIOWS and your surname. **Account name:** CSIR; **Account number:** 5-4000-2258; **Branch code:** 632005; **Account type:** Cheque account

FOR REGISTRATION AND GENERAL EQURIES CONTACT:

RSVP date: 14 July 2017 | Hope Netshiya | HNetshiya@csir.co.za | Tel: 012 841 3952

WHO SHOULD ATTEND

Biotechnologists, scientists, product and process engineers. Please note that seats are limited and applicants will be selected on a first come first serve basis.



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