

BioSkills @ Box Hill Institute



The Specialist Centre for Biotechnology Training

BioSkills, the Specialist Centre for Biotechnology Training, based at Box Hill Institute in Melbourne provides training solutions and expertise to develop technical and operational skills in the Australian and international workforce.

BioSkills offers:

- Customised training programs
- Industry based short courses
- Workplace based training
- Workforce development services

BioSkills is pleased to offer the following short courses during 2009:

Essential Basic Lab Techniques

Provides an understanding of the equipment and daily operations faced in a life sciences laboratory. This course is designed to improve the attendee's effectiveness in laboratory tasks, and impart confidence in frequently used calculations.

Dates: 10 Feb / 29 June / 27 November
Cost: \$660 / Full Day

Molecular Methods

This two day workshop provides practical hands-on experience for a range of essential molecular biology techniques. Methods include Nucleic Acid extraction, purification and quantitation, reverse transcription, PCR and electrophoresis.

Dates: 11 & 12 Feb / 30 June & 1 July
Cost: \$990 / 2 x Days

GLP and Laboratory OH&S

Attendees will gain an understanding of the requirements and methodologies of Good Laboratory Practice, as well as an awareness of OHS requirements, all contextualised to the operations of a biotechnology laboratory. Includes reference to key Australian and international standards.

Dates: 6 April / 20 July / 26 October
Cost: \$660 / Full Day

GMP

Good manufacturing practice (GMP) is a system for ensuring Government regulated products are consistently produced and controlled according to quality standards. This workshop introduces participants to current Good Manufacturing Practice (cGMP) for the biotechnology industry. Areas covered will include: GMP: Past, present and future; contamination control; personnel and procedures; materials management; production and process control; building and facilities; Quality Assurance; and change control.

Dates: 7 April / 21 July / 27 October
Cost: \$660 / Full Day

Tissue Culture Techniques I

This workshop will give an introduction to the latest technologies used in tissue culture. After an overview of the different host cell lines and their features, specific methods for their use will be discussed in detail, supplemented by practical work.

Dates: 16 April / 24 September
Cost: \$770 / Full Day

Tissue Culture Techniques II

A strong background on scale-up and large-scale cultivation of mammalian, hybridoma and insect/baculovirus cells. After an introduction to different host cells and their applications to large-scale protein production, specific methods and equipment will be discussed in more detail.

Date: 17 July / 29 September
Cost: \$770 / Full Day

Real Time PCR

The course is intended for those who have a fundamental background in PCR and will address the basic principles of Real Time PCR and its many applications. It will cover both theoretical and practical aspects of quantitative RT PCR assay development, hands-on instrumentation set up and data analysis.

Dates: 7 July / 29 September
Cost: \$660 / Full Day

Microscopy Techniques

This workshop provides a strong background and practical skills in the microscopy techniques required for monitoring and counting the most common host cell lines, such as mammalian, hybridoma, insect/baculovirus, bacterial and yeast cell cultures. Also, additional aspects such as selective staining methods to identify contaminants (for example mycoplasmas) will be discussed.
Dates: 26 June / 28 September
Cost: \$660 / Full Day

HPLC & Gas Chromatography

This workshop will go over the basic principles of HPLC and GC. The course will cover familiarisation with both instruments, including parts of the instrument and the different choices of instruments for different uses. It will then proceed to practical applications using the instruments and common procedures such as changing columns. Maintenance of the instruments and troubleshooting technical problems will also be covered.
Dates: 9 & 10 July / 1 & 2 October
Cost: \$1200 / 2 x Days

TGA Devices

Manufacture and marketing of medical devices in Australia is governed by federal legislation. Medical Devices have to be approved by the Therapeutic Goods Administration (TGA) before they can be sold, and companies have substantial responsibility for monitoring products in the marketplace. This one day introductory program exposes participants to both theoretical and practical elements of the role of a Regulatory Affairs Officer as it relates to the registration and marketing of Medical Devices. A workshop approach will be taken to give the participants hands-on experience in the navigational tools required to prepare, submit and monitor a product submission to the TGA.
Dates: 27 March / 21 August.
Cost: \$660 / Full Day

TGA Medicine/Biologicals

The Federal Government requirements for the registration of Prescription Medicines/Biologicals for the Australian marketplace are complex. This one day introductory program exposes participants to theoretical and practical elements of the role of a Regulatory Affairs Officer as it relates to the registration of Prescription Medicines/ Biologicals. A workshop approach will be taken to give participants hands-on experience in the navigational tools required to prepare, submit and monitor a product submission to the TGA.
Dates: 27 March / 21 August
Cost: \$660 / Full Day

Bioinformatics, Databases and Other Information Resources ** Revised**

This session will introduce the field of bioinformatics, and will focus on data retrieval and deposition at the two main global repositories of biological information: NCBI in the United States and EBI in Europe. New additions to this course are the inclusion of CLUSTAL Sequence Alignment, Pub Med, and Sequence Similarity Searching using NCBI BLAST.
Dates: 20 March / 7 August
Cost: \$660 / Full Day

OGTR

The Federal Government requirements for the registration of Genetically Modified (GM) products for the Australian marketplace are complex. This one day introductory program exposes participants to theoretical and practical elements of the registration of GM products. A workshop approach will be taken to give participants hands on experience in the navigational tools required to prepare, submit and monitor a product submission to the OGTR.
Dates: 1 May / 4 September
Cost: \$660 / Full Day