

Box Hill Institute is one of Australia's premier TAFE (Technical and Further Education) institutes delivering a broad range of vocational education and training services including:

- Accredited programs from certificate to bachelor degree levels
- Campus-based, workplace, distance, and international delivery
- Customised national and international training services for government & industry

Box Hill Institute was designated as the Specialist Centre for Biotechnology Training by the Victorian State Government, with a focus on the technical preparation of students, giving the biotech sector access to customised training with the infrastructure of a specialised training facility.

### Workplace skill development and training for the biotechnology industry

BioSkills offers tailored, workplace training modules in:

- |                                     |   |  |
|-------------------------------------|---|--|
| • Good Manufacturing Practice (GMP) | • Quality assurance (QA)  | • IP commercialisation and management  |
| • Good Laboratory Practice (GLP)    | • Cell and tissue culture   | • Regulatory affairs and documentation |
| • OH & S                            | • Microbiology  | • Project management                   |
| • Working in a clean-room           | • Manipulation, production and characterisation of nucleic acids and proteins | • Innovation and enterprise management |
| • Lean manufacturing                | • Bioinformatics  |  |
| • Quality control (QC)              | • Bioprocessing   |  |

### Industry coverage

BioSkills is dedicated to meeting the training requirements of the biotechnology industry as a whole, including sectors in:

- |                                   |                               |  |
|-----------------------------------|-------------------------------|--|
| • Agriculture                     | • Environmental biotechnology | • Scientific equipment and instrumentation |
| • Biomaterials                    | • Industrial biotechnology    | • Veterinary and animal health             |
| • Biomedical R & D                | • Pharmaceuticals             |  |
| • Diagnostics and medical devices |                               |  |



## biotechnology short courses for industry

BioSkills offers a range of short courses to industry, designed to meet skills gaps in the Australian biotechnology industry. BioSkills can deliver onsite (at your organisation) and can customise a training package to suit your needs.

Programs include:

- Lean Manufacturing
- GLP
- TGA Regulations
- GMP

*'In the past two decades more and more molecular methods have been used in traditional industries, like brewing and winemaking. Scientists monitor yeast metabolism in response to environmental changes such as nutrient limitation, osmotic stress and so on. Real Time PCR can be used for rapidly identifying microbial contamination during fermentation.*

*There is no doubt that participating in BioSkills short courses offers real opportunities for adopting new concepts and may even create new applications in industry.*

*As an industrial scientist, you do have to be an expert in molecular biology methods. However, you should speak the same language with the experts. BioSkills short courses are just perfect for this purpose.'*

**Dr David Duan**  
Project Scientist  
Fosters Group

## specialised training for the biomanufacturing sector

BioSkills offers tailored training programs in:

- Good Manufacturing Practice (GMP)
- Good Laboratory Practice (GLP)
- OH & S
- Working in a clean-room

### Flexible delivery

Training can be provided in BioSkills under full laboratory conditions thus minimising disruption to company activity. Alternatively, training can be delivered onsite to minimise down-time (subject to numbers).

### Tailored packages

BioSkills staff can work with you to validate company skill requirements and tailor the training to ensure it achieves the agreed individual and company performance targets.

## BioSkills – partnering with industry



Biotechnology students receive international training opportunities through US-based company PaleoTechnology International, who have based their Australian headquarters in the BioSkills centre.

## the specialist centre for biotechnology training

BioSkills, based at Box Hill Institute in Melbourne provides training solutions and expertise to the Australian and international biotech sectors, and students training for a career in biotechnology.

BioSkills focuses on developing **technical** and **operational** skills in the Australian biotech workforce in these areas:

- bio-processing including aseptic techniques, fermentation and protein purification
- cellular and molecular analysis and other laboratory based biotechnology skills
- business and management skills
- regulatory affairs.

As BioSkills is also a teaching department of a large College of Technical and Further Education clients can package customised training in other disciplines, in particular business, ICT and engineering skills if needed.

Examples of training available

- Customised training programs
- Industry based short courses
- Workplace based training
- Accredited Certificate, Diploma and-Advanced Diploma programs
- Associate and Bachelor Degree programs

## Build your greatest asset – your people

BioSkills offers expert advice to assist organisations establish their training needs and requirements. Take advantage of this free service by contacting BioSkills.



PaleoTechnology Australia is a subsidiary of PaleoTechnology International, a technology development and commercialisation company that creates products and processes that increase the value derived from natural resource environments. PaleoTechnology Australia and Melbourne-based Box Hill Institute have entered into a five-year research collaboration which includes a new state-of-the-art laboratory with proprietary extraction equipment, associated with the establishment of a company in residence / training workplace.