NSW-RRTN

UTS Biologics Innovation Facility

Biopharma Manufacturing Readiness Course

2-week intensive training program for RRTN PhD students

Develop practical skills in GMP compliant biopharmaceutical manufacturing to support the translation of research into real world applications.

Format	Placements	Location	Dates	Cost
2 weeks blended • 1 week online • 1 week in person	Limited 8 placements available	Biologics Innovation Facility (BIF), UTS City Campus	16 – 27 Nov 2026	Free for RRTN PhD candidates

Course Overview

This 2-week intensive course is delivered by the UTS Biologics Innovation Facility (BIF) and provides a foundational introduction to GMP compliant biopharmaceutical manufacturing. Designed for participants with limited exposure to GMP manufacturing environments, the program focuses on how biopharmaceutical products are manufactured, controlled, and documented under GMP regulations.

Training is delivered within the GMP like environment of the BIF, a pilot facility for the manufacture of advanced biopharmaceuticals, which comprises cleanrooms, industrial bioprocessing and analytical equipment, and compliant quality systems. Participants gain hands on exposure to upstream and downstream bioprocessing, quality control (QC) analytics, and GMP documentation within a biomanufacturing workflow.

Through focused online preparation and immersive, facility based training, participants develop a working understanding of how individual unit operations fit together to create an end to end biomanufacturing workflow, providing a strong foundation for future specialised training.

Week 1 – Self paced online learning

Foundational modules (8-10 hrs) introducing:

- Introduction to biologics
- GMP fundamentals
- Cleanrooms, aseptic behaviour and contamination control
- Upstream and downstream bioprocessing fundamentals
- Introduction to in process QC analytics
- Quality systems and documentation

Week 2 – Hands on training at the BIF

Delivered at the Biologics Innovation Facility (BIF) over 5 days:

- Facility orientation and manufacturing workflows
- Aseptic behaviours and cleanroom practices (Grade D B)
- Hands on operation of small and large scale bioprocesses
- Introduction to in process QC testing
- Completion of GMP documentation (e.g. batch records) during hands on activities
- Scenario based training (e.g. deviations, decision making) in a manufacturing context

Additional course details

- In person attendance at the BIF (10am – 5pm) is required for all 5 days of week 2
- Travel and accommodation costs are not included.
- RRTN PhD students may be eligible to use their RRTN travel and career development funds to cover these costs.

Register your EOI here

Growth in Australia's biopharma sector is driving demand for GMP capable talent, and this program supports NSW RRTN students in developing practical, industry relevant skills.

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