



Atlantic Technological University Sligo
PROGRAMME VALIDATION PANEL REPORT FORM

Date of Evaluation	24 th May 2023
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Programmes Title(s)	<p>Master of Science in ATMP Technology and Manufacturing</p> <p>Master of Science in ATMP Cell Manufacturing</p> <p>Master of Science in ATMP Vector Manufacturing</p> <p>Postgraduate Diploma in Science in ATMP Technology and Manufacturing</p> <p>Postgraduate Certificate in ATMP Cell Manufacturing</p> <p>Postgraduate Certificate in ATMP Vector Manufacturing</p>
Award Title(s):	<p>Master of Science in ATMP Technology and Manufacturing</p> <p>Master of Science in ATMP Cell Manufacturing</p> <p>Master of Science in ATMP Vector Manufacturing</p> <p>Postgraduate Diploma in Science in ATMP Technology and Manufacturing</p> <p>Postgraduate Certificate in ATMP Cell Manufacturing</p> <p>Postgraduate Certificate in ATMP Vector Manufacturing</p>
Programme Code(s)	<p>SG_SATMP_M09</p> <p>SG_SATMR_M09</p> <p>SG_SATMQ_M09</p> <p>SG_SATMP_S09</p> <p>SG_SATMQ_S09</p> <p>SG_SATMP_S09</p>
NFQ Level	Level 9 (All)
ECTS credits	<p>Master programme 90ECTS</p> <p>Postgraduate Diploma 60 ECTS</p> <p>Postgraduate Certificate 30 ECTS</p>

Evaluation Panel Member:

Name & title	Job title & place of work	Role on panel
Prof James Houghton	Emeritus Professor of Microbiology, University of Galway	Chair
Dr Donal Eardly	Lecturer, TUS Athlone	Academic/ Discipline Specific
Dr Donal Coveney	Director of TopChem Pharmaceuticals in Ballymote.	External Industry/Third Mission
Dr Elaine Harris,	Lecturer, Chemical and Biopharmaceutical Sciences, Technological University Dublin	Academic/ Discipline Specific
Dr Aodhmar Cadogan	Assistant Registrar, ATU, Sligo	Recording Secretary

Declaration Regarding Any Conflicts of Interest: The members of the Panel signed a form confirming that they did not have any conflict of interest.

Meeting groups

Institute Management: Dr Jerry Bird, Prof Neville McClenaghan

Programme development team: Dr Ailish Breen

Persons met by validation panel:

Name & title	Role in Institute	Rationale for presence at validation.
Dr Jerry Bird	Head of Faculty of Science	Head of Faculty
Prof Neville McClenaghan	Head of Department of Life Science	Head of Department
Dr Ailish Breen	Lecturer	Development Team Lead
Mary Butler	Lecturer	Development Team
Margaret Doherty	Lecturer	Development Team
Rachel Coyle	Lecturer	Development Team
AnnMarie Larkin	Lecturer	Development Team
Macdara Bodeker	Lecturer	Development Team
Karina Litinova	Lecturer	Development Team
Melissa Hoare	National Institute for Bioprocessing and Research and Training (NIBRT)	Collaborative Partner
Áine Hopkins	PTC Therapeutics	Collaboration on QP module

Note: In the context of this report, a condition indicates an action or amendment which in the view of the validation panel must be undertaken prior to the commencement of the new (or revised) programme. Conditions are mandatory for Approval of the Programme(s). A recommendation indicates an action or amendment which in the view of the panel should be given serious consideration by the programme development team for implementation.

Validation criteria	Comments
<p>Rationale for the programme</p> <ul style="list-style-type: none"> • Philosophy underpinning the programme e.g. market for programme in the region and its relevance to the region • Graduate profile and employment opportunities for graduates • Rationale for the programme e.g. School's/Institute's strengths/opportunities • Programme Aims and Objectives • Expected intellectual development and Programme learning outcomes • Related existing programmes. 	<p>The new programmes are very cognate with other programmes in the Life Science department and are in alignment with, and builds on, the existing suite of programmes.</p> <p>The ATMP area is vey new and is predicted to grow significantly and rapidly in the future.</p> <p>Programme is targeted at international students and scientific professionals who wish to increase their understanding of the ATMP area.</p>
<p>Programme structure</p> <ul style="list-style-type: none"> • Delivery type (semesterised or stage-based) • Proposed mode of delivery (i.e. in-class, on-line, blended, full time and/or part time) • Planned intake numbers (over the full duration of the programme) • Role of placement N/A 	<p>Sufficient Evidence provided.</p> <p>The programme structure is one that has been used by other programmes in the department and has a clear pathway for the student to build up to and including a Master L9 qualification if they so choose.</p>
<p>Resources (over the full duration of the programme)</p> <ul style="list-style-type: none"> • Facilities and human and material resources available to mount the programme • Clarification of any staffing requirements • Location of the delivery • Specific s requirements: lecture rooms, laboratories, library, Information technology and other student supports • Confirmation regarding any new facilities and staffing requirements • Special requirements (e.g. remote access for distance learners) 	<p>Sufficient Evidence provided</p> <p>The programme confirmed that resourcing is committed by the University.</p>

<p>Access, Transfer and Progression Criteria</p> <ul style="list-style-type: none"> • Student admission requirements • Progression criteria from one stage to the next and to higher levels on the NFQ • Non-standard entry (e.g. mature candidates and candidates with experiential learning) • Transfer policy into the programme and onto other programmes 	<p>Sufficient evident provided</p> <p>Standard entry requirements.</p>
<p>Curriculum</p> <ul style="list-style-type: none"> • A matrix exhibiting the academic pathway and the relationship between modules • The consistency between the programme content, teaching methods and the programme learning outcomes • Balance between the depth and breadth of the programme • Rigour of the academic standard in the final stage of the programme • Student workload • Practice: the role and management of placement or work-based projects. N/A 	<p>Sufficient evidence provided.</p> <p>There is a track record of delivery in conjunction with partners in NIBRT in programmes that are currently running. This is both in delivery of the theory and the availability of laboratories for practical training.</p>
<p>Assessment</p> <ul style="list-style-type: none"> • The appropriateness of the modes of assessment to be used • The balance between the marks awarded for different assessment modes (e.g. continuous assessment, projects, reports, sit-down examination) • Confirmation that all of the programme learning outcomes are appropriately and adequately assessed within the set of module assessments. 	<p>Sufficient evidence provided.</p>
<p>Staffing</p> <ul style="list-style-type: none"> • Quality and specialities of staff available to support the programme • Technical and administrative support 	<p>Sufficient evidence provided.</p>

<ul style="list-style-type: none"> • Staff development • Industrial/commercial profile of staff • Research and publications 	
<p>Programme Administration and Quality Assurance</p> <ul style="list-style-type: none"> • Procedure for managing programme • Student support student counselling and tutorial arrangements • Aspects of programme which highlight and foster study skills, independent learning and the inculcation of individual responsibility in students • EU and international aspects if appropriate • Feedback mechanisms e.g. use of surveys, focus groups and follow-up actions. 	<p>Sufficient evidence provided.</p> <p>Programme monitoring mechanism for gathering feedback will continue under the legacy QA procedure until superseded by ATU procedure.</p>
<p>Over all Conditions and Recommendations</p>	
<p>Commendations:</p> <ol style="list-style-type: none"> 1. The high standard and comprehensiveness of the documents that were submitted and the level of background data and research that was evident in the submission. 2. The track record of ATU Sligo in the delivery of education in the on-line area. 3. The proactive approach of the team to the development of the programmes and the interaction with the CGT forum. 4. The high degree of consultation with industrial sector stakeholders was evident in the development of the module content. <p>Conditions:</p> <ol style="list-style-type: none"> 1. None <p>Recommendations:</p> <ol style="list-style-type: none"> 1. Explore alignment with ISPE / PDA 2. Ethical and Societal Considerations - the team has indicated that Ethics will be addressed in various modules e.g. the Introduction to ATMP and the Nucleic Acid Therapy modules, ensure that this is more clearly listed in the module descriptors. 3. Explore possibilities of pooling opportunities across similar third level providers to enhance the interaction with industry in more efficient ways. 4. Continue to review the future possibility of integrating a practical element into the programme as an optional element and in collaboration with NIBRT or other partners. 	

Overall decision of the panel

The panel agreed to recommend to the Academic council the approval of the following programmes,

Master of Science in ATMP Technology and Manufacturing

Master of Science in ATMP Cell Manufacturing

Master of Science in ATMP Vector Manufacturing

Postgraduate Diploma in Science in ATMP Technology and Manufacturing

Postgraduate Certificate in ATMP Cell Manufacturing

Postgraduate Certificate in ATMP Vector Manufacturing

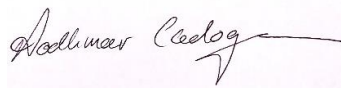
Chairperson:



Professor James A Houghton

Date: __ 24 May 2023 _____

Secretary:



Dr Aodhmar Cadogan

Date: __ 24/5/2023 _____

Master of Science in ATMP Technology and Manufacturing

SG_SATMP_M09

Module Code	Module Title	Stage	Semester	M/E	OL Hours	Credits	CA %	PROJ %	EXAM %
SCI09008	Introduction to Advanced Therapy Medicinal Products	Stage 5	Semester 9	Mandatory	2	5	100	0	0
SCI09009	Molecular Engineering	Stage 5	Semester 9	Mandatory	2	5	50	50	0
BIO09100	Cell Processing 1	Stage 5	Semester 9	Mandatory	2	5	100	0	0
BIO09099	Biocontamination Monitoring & Control in ATMP Manufacturing	Stage 5	Semester 10	Mandatory	2	5	50	50	0
BIO09101	Cell processing 2 with QC Analytical techniques	Stage 5	Semester 10	Mandatory	2	5	100	0	0
REGU09030	EU Qualified Person (QP) Certification of ATMPs	Stage 5	Semester 10	Mandatory	2	5	60	40	0
SCI09014	Nucleic Acid Therapies	Stage 6	Semester 11	Mandatory	2	5	100	0	0
SCI09015	Operations Excellence and Risk Management	Stage 6	Semester 11	Mandatory	2	5	100	0	0
REGU09029	ATMP Quality Systems and Regulatory Affairs	Stage 6	Semester 11	Mandatory	2	5	100	0	0
SCI09017	Viral and Non Viral vector Production Systems	Stage 6	Semester 12	Mandatory	2	5	100	0	0
SCI09018	Delivery Systems and Tissue Engineering Products	Stage 6	Semester 12	Mandatory	2	5	50	50	0
BIO09051	Research Methods Biopharma	Stage 6	Semester 12	Mandatory	0	5	100	0	0
BIO09098	ATMP Thesis (30 credit)	Stage 7	Year Long	Mandatory	0	30	30	70	0

Master of Science in ATMP Cell Manufacturing

SG_SATMR_M09

Module Code	Module Title	Stage	Semester	M/E	OL			
					Hours	Credits	CA %	PROJ %
SCI09008	Introduction to Advanced Therapy Medicinal Products	Stage 5	Semester 9	Mandatory	2	5	100	0
SCI09009	Molecular Engineering	Stage 5	Semester 9	Mandatory	2	5	50	50
BIO09100	Cell Processing 1	Stage 5	Semester 9	Mandatory	2	5	100	0
BIO09099	Biocontamination Monitoring & Control in ATMP Manufacturing	Stage 5	Semester 10	Mandatory	2	5	50	50
BIO09101	Cell processing 2 with QC Analytical techniques	Stage 5	Semester 10	Mandatory	2	5	100	0
BIO09051	Research Methods Biopharma	Stage 5	Semester 10	Mandatory	0	5	100	0
BIO09097	ATMP Thesis (60 Credit)	Stage 6	Year Long	Mandatory	20	60	10	90

Master of Science in ATMP Vector Manufacturing

SG_SATMQ_M09

Module Code	Module Title	Stage	Semester	M/E	OL			
					Hours	Credits	CA %	PROJ %
SCI09014	Nucleic Acid Therapies	Stage 5	Semester 9	Mandatory	2	5	100	0
SCI09015	Operations Excellence and Risk Management	Stage 5	Semester 9	Mandatory	2	5	100	0
REGU09029	ATMP Quality Systems and Regulatory Affairs	Stage 5	Semester 9	Mandatory	2	5	100	0
SCI09017	Viral and Non Viral vector Production Systems	Stage 5	Semester 10	Mandatory	2	5	100	0
SCI09018	Delivery Systems and Tissue Engineering Products	Stage 5	Semester 10	Mandatory	2	5	50	50
BIO09051	Research Methods Biopharma	Stage 5	Semester 10	Mandatory	0	5	100	0
BIO09097	ATMP Thesis (60 Credit)	Stage 6	Year Long	Mandatory	20	60	10	90