

2022 • 2023

MASTER IN MANUFACTURING OF ATMPs

ISCT MASTER PROGRAMME SCHOLARSHIPS EUROPE REGION • UNIVERSIDAD DE GRANADA, SPAIN

VIRTUAL PROGRAM WITH PRACTICAL HANDS-ON MODULE

A Joint Initiative by *ISCT-EU, ANd&tAT & Universidad de Granada*
Made Possible in Part by an Educational Grant from *Miltenyi Biotec*

Scholarship Application Instructions

The International Society for Cell & Gene Therapy (ISCT) is proud to offer **full tuition scholarships for 3 ISCT European Members** to enroll in the 2023/2024 Master Degree or Specialization Degree in Manufacturing of Advanced Therapy Medicinal Products, offered by the University of Granada/ Andalusian Network for the design and translation of Advanced Therapies (ANd&tAT)

The following scholarships will be awarded:

- **Two (2) Scholarships** for the **Master Degree in Manufacturing of Advanced Therapy Medicinal Products**
- **One (1) Scholarship** for the **Specialization Degree in Manufacturing of Advanced Therapy Medicinal Products**

These scholarships are made possible in part by an educational grant from Miltenyi Biotec.

Master/ Specialization Program Information

This pioneering Master's programme is designed for professionals presently working (or intending to do so) in Good Manufacturing Practice (GMP)-compliant facilities producing cell therapy, gene therapy, or tissue engineered products for human use. More specifically, for technologists who will develop advanced therapy medicinal products (ATMPs) in different laboratories and institutions (hospitals, academia, or industry) within Europe, such as:

- Technical Directors or Qualified Persons of ATMP's Pharmaceutical Laboratories
- Manufacturing Managers of ATMP's Pharmaceutical Laboratories
- Quality Control Managers of ATMP's Pharmaceutical Laboratories
- Quality Assurance Expert of ATMP's Pharmaceutical Laboratories

Note, this programme is quite unique in that it is not intended for biomedical students pursuing a PhD in regenerative medicine or related subjects.



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The University-Specific Degrees Offered:

Both Degrees will include **theoretical training** composed of 12 sections that will be completed online by students at their convenience and with the support from instructors through a dedicated e-learning platform.

- **Master Degree in Manufacturing of Advanced Therapy Medicinal Products**
(1,500 hours / 60 ECTS)

Provides participants with the knowledge, skills and hands-on technical expertise necessary to face the challenges of manufacturing ATMPs for clinical use. This innovative Master combines the general fundamentals of ATMP regulation with specific knowledge necessary to deal with the development of medicinal products of cell therapy, gene therapy, and tissue engineering.

The Master Degree also includes:

- **3-week period of practical training** at Línea IAVANTE's (Fundación Progreso y Salud) headquarters in Granada, Spain. This will complement the acquired theoretical knowledge by making use of a fully equipped GMP facility specifically built for training purposes and dedicates expert tutors.
 - **Supervised individual work** to compile a GMP facility dossier (site master file) as final project (dissertation) of the Master Degree.
- **Specialization Degree in Manufacturing of Advanced Therapy Medicinal Products**
(970 hours / 38.8 ECTS)

Programme Specific Requirements:

Applicants should hold a University Degree following at least 4 years of study or a Bachelor Degree with a Major or Specialism in the biomedical field (pharmacy, medicine, veterinary medicine, biology, biochemistry, or biotechnology).

Applicants for the Master Degree should also have acquired practical experience in cell culture.

For more information on the 2023/2024 Master Degree or Specialization Degree in Manufacturing of Advanced Therapy Medicinal Products at the University of Granada/ ANd&tAT please view the programme [brochure](#) and [website](#).



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**Scholarship applications open August 17, 2022
and will be accepted until October 31, 2022.**

To apply, please submit the following (3) items:

- (1) A 1-2 page letter of application (maximum 1,000 words, Arial, font size 10). The letter should provide the applicant's background, training, interest/ experience in cell and gene therapy production, and career goals. Particular attention and weighting will be placed on the applicant's reasons for attending the programme.
- (2) A current curriculum vitae (CV), preferably in the NIH Biographical Sketch format.
- (3) A 1 page letter of recommendation.

Applicant selection will be based on criteria including, but not limited to:

- (1) Applicant must reside in Europe, hold a current ISCT membership, and maintain their ISCT membership throughout the duration of the Master/ Specialization programme
- (2) Applicant must satisfy the requirements/ student profile as outlined in Section 2 of the Master Programme 2023/2024 [brochure](#).
- (3) Applicant training, productivity and experience as indicated in the curriculum vitae, letter of application and letter of recommendation.
- (4) Commitment to a career in ATMP manufacturing as outlined in the letter of application.
- (5) All other considerations being equal, regional representation.

Successful applicants must submit CV, Passport, and University Degree Certificate to the University of Granada/ Andalusian Network for the design and translation of Advanced Therapies as a condition of acceptance.

E-mail Applications and Attachments to Meagan Pasternak (meagan@isctglobal.org)

Subject: ISCT Scholarship Program for EU Members Application



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Scholarship Application Selection Criteria

Applicants will first be assessed for screening criteria, including current ISCT membership and eligibility to enroll into the Master Programme associated with the award they are applying for (see Appendix I), conflicts of interest, and completion of application by the specified deadline. Final selection of applicants is contingent upon confirmation of a given applicant's registration into the program for which their award is intended.

Following this, primary scoring will be based on three categories: Applicant Profile, Support, and Impact Factor. Each category will be scored from 1 (Exceptional) to 9 (Poor) as outlined in the table below.

Following completion of the scoring process, the ISCT Europe Regional Executive Committee will make final determination of awardees based on the selection criteria below.

The Applicant (Aggregate score from 1-9) - 60%

Training:

- How well suited is the applicant to the programme?
- Is there evidence of appropriate experience and training?
 - Does the applicant demonstrate a history of academic excellence?
 - Does the applicant demonstrate a relevant work history?

Accomplishments:

- As much as can be determined for individuals in an early stage of their career, have they demonstrated an ongoing record of practical competence or accomplishments that have advanced their field?
- Are there notable achievements by the individual that speak to soft skills and personality traits that would benefit their career prospects and ability to impact the field?

Career Prospects:

- Is the applicant likely to continue working in the field of Cell and Gene therapy?
 - More specifically, are they likely to work in GMP-compliant facilities producing cell therapy, gene therapy or tissue engineered products for human use?



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- Does the applicant demonstrate qualities suitable to a professional environment working with advanced therapy?

Support (Aggregate score from 1-9) - 20%

Mentorship:

- Does the applicant demonstrate a history of seeking appropriate and adequate mentorship?
- Does supporting documentation demonstrate a history of collaborative engagement on the part of the applicant?

Impact Factor (Score from 1-9) - 20%

Applicant Impact Factor:

- Overall, does the applicant demonstrate the ability to successfully utilize the teachings of this course to positively impact and advance the field of cell and gene therapy?
- Would this course provide unfulfilled training the applicant does not already have access to through their institution/mentors?
- Does the applicant demonstrate potential for leadership, autonomy, relevant community involvement, or outreach?

Rationale for Scoring Summary:

Score	Descriptor	Additional Guidance on Strengths/Weaknesses
1	Exceptional	Exceptionally strong with essentially no weaknesses
2	Outstanding	Extremely strong with negligible weaknesses
3	Excellent	Very strong with only some minor weaknesses
4	Very Good	Strong but with numerous minor weaknesses
5	Good	Strong but with at least one moderate weakness
6	Satisfactory	Some strengths but also some moderate weaknesses
7	Fair	Some strengths but with at least one major weakness
8	Marginal	A few strengths and a few major weaknesses
9	Poor	Very few strengths and numerous major weaknesses

Minor Weakness: An easily addressable weakness that does not substantially lessen impact
Moderate Weakness: A weakness that lessens impact
Major Weakness: A weakness that severely limits impact

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Second Tier of Selection:

In the case of multiple suitable applicants, selection may be influenced by:

- Regional representation

Successful applicants must submit CV, Passport, and University Degree Certificate to the University of Granada/ Andalusian Network for the design and translation of Advanced Therapies as a condition of acceptance.

