

# Postgraduate Certificate Dissemination of Research Results





## Postgraduate Certificate Dissemination of Research Results

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Global University
- » Credits: 12 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/dissemination-research-results](http://www.techtute.com/us/medicine/postgraduate-certificate/dissemination-research-results)

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# 01

# Introduction

Medical research has always been a fundamental activity in arriving at results that have allowed millions of scientists to advance diagnostic strategies as well as treatments for infectious diseases such as HIV. For this reason, the professionals involved in this area must master the techniques and new strategies for disseminating and publicizing the results, because without them the study would not be effectively envisioned. This is the last phase and one of the most important because it reaches the largest number of people. To explore the latest technology, TECH has developed a 100% online program for medical graduates and other healthcare professionals interested in the conversion of scientific work. This is a rigorous degree that includes 360 hours of content so that the physician can catch up by adapting the pace of study to his or her personal and professional needs.



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*Update your skills and explore the representation of results thanks to this Postgraduate Certificate in only 12 weeks”*

COVID-19 is an example of collaborative research that has made its way in the face of new epidemiological diseases. In this sector, outreach has been essential for the population to understand how the vaccine can control the symptoms of the virus. Perhaps without the field work to get the information to the individuals, they would not have agreed to wear it. However, new technologies have been fundamental in this task, as online platforms and digital applications such as Tik Tok, Twitter and Instagram have also provided a means of communication and are full of adapted health information.

Given the importance of converting scientific research into useful data for other experts and also for the rest of society, specialists working in this area must master all the most up-to-date tools to adapt their reports and memoirs, depending on the call they are faced with. For that reason, TECH has designed this Postgraduate Certificate in Dissemination of Research Results, a dynamic and comprehensive program that delves into the various formats of information, message targeting, data representation for short communications and much more. Thanks to this program, students will be able to update their competencies in a multidisciplinary way, but, above all, perfect their skills 100% online.

It is a degree that offers all the facilities to students, so that they are the ones who adapt their own pace of study. In addition, it has 360 hours of theoretical, practical and additional content including: detailed videos, research articles, complementary readings, self-knowledge exercises and dynamic summaries, among many others. All this, with the support of a teaching team experienced in the medical area and with its own research to help the informative work of specialists who enroll and bet on digital learning adapted to new technologies.

This **Postgraduate Certificate in Dissemination of Research Results** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Development of case studies presented by experts in Medical Research
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*You will work on honing your skills related to the dissemination method by producing successful scientific reports, memoirs and papers"*

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*An ideal program to get you up to speed on new platforms for dissemination and master the latest developments in adapting scientific results"*

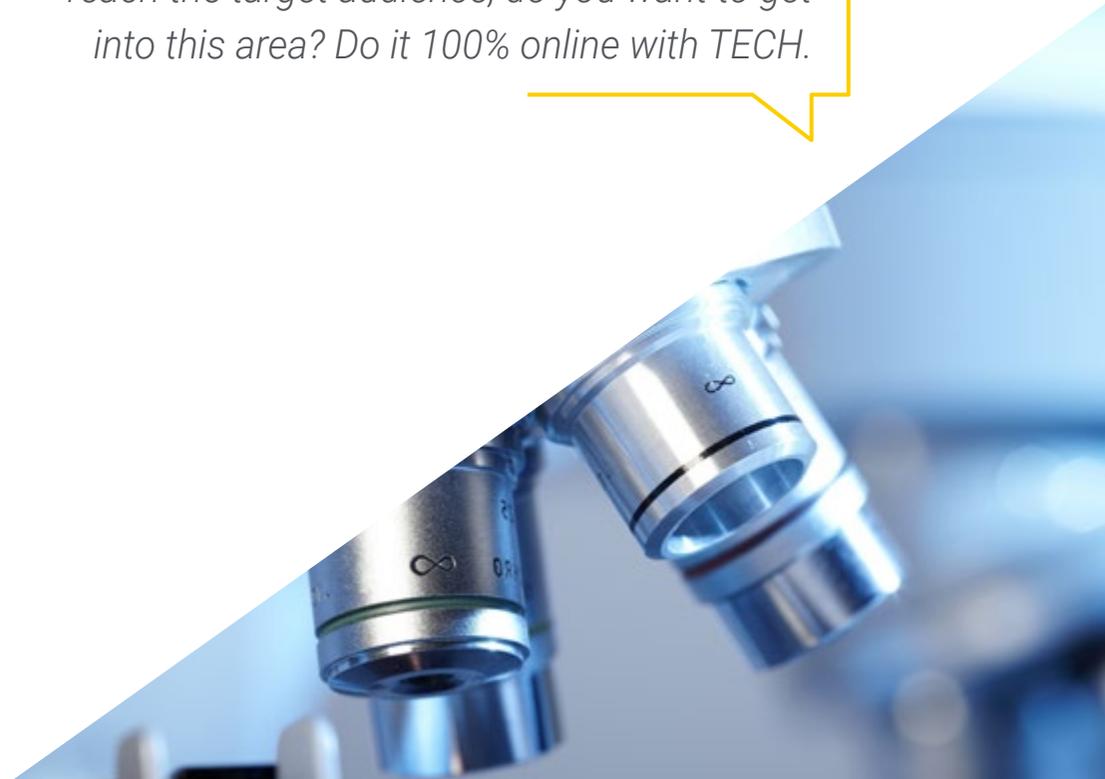
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Have you not yet mastered the principles of reproducibility? Then this program is perfect for you and for you to aspire to greater skill in sharing your knowledge.*

*The targeting of the message is essential to reach the target audience, do you want to get into this area? Do it 100% online with TECH.*



# 02 Objectives

The main objective of this Postgraduate Certificate on Dissemination of Research Results is to update the knowledge of graduates in Medicine and other health professionals interested in the dissemination and disclosure of their work. For that reason, and in order to enable them to use the latest tools in this field, TECH has developed this program that explores the adaptation of a scientific work in popularization material and literature. In addition, the graduate who accesses it will find the best academic technology and will deepen in the selection of the correct material for each type of public call.



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*With this Postgraduate Certificate you will learn about the cover letter so that you can master the presentation of your clinical studies and achieve your professional and personal goals”*



## General Objectives

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- ◆ Understand the appropriate approach to a question or problem to be solved
- ◆ Asses the state of the art of the problem through literature search
- ◆ Assess the feasibility of the potential project
- ◆ Study the drafting of a project in accordance with the different calls for proposals
- ◆ Examine the search for funding
- ◆ Master the necessary data analysis tools
- ◆ Write scientific articles (papers) for the daily magazines
- ◆ Generate posters relevant to the topics addressed
- ◆ Know the tools for dissemination to the non-specialized public
- ◆ Delve into data protection
- ◆ Understand the transfer of knowledge generated to industry or the clinic
- ◆ Examine the current use of artificial intelligence and massive data analysis
- ◆ Study examples of successful projects





## Specific Objectives

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- ◆ Learn the various ways of disseminating results
- ◆ Internalize how to write reports
- ◆ Learn how to write for a specialized journal
- ◆ Learn how to generate a poster at a congress
- ◆ Learn how to prepare different communications of different times
- ◆ Learning how to turn a scientific paper into dissemination material



*You will have the most innovative academic tools that will allow you to achieve your aspirations in a guaranteed way and in less than 12 academic weeks"*

# 03

# Course Management

TECH has selected an extensive team of physicians versed in the area of research. It is a group of specialists with a very broad human and professional quality and, above all, with extensive professional experience. For this reason, with their collaboration, the students will not only acquire theoretical knowledge, but will also be able to learn from their own advice and the keys that the experts transmit to them from their own field work in the real scenario. This is a unique academic opportunity, as students will have at their disposal a direct communication channel through which they will be able to discuss with teachers and solve all their questions.





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*TECH is that kind of University that puts at your disposal a group of experts in what you do, so you can share the knowledge with real people who are passionate about what you are passionate about"*

## Management



### Dr. López-Collazo, Eduardo

- ◆ Scientific Deputy Director in the Institute for Health Research the Health Research Institute of La Paz University Hospital
- ◆ Head of the Department of Immune Response and Infectious Diseases at IdiPAZ
- ◆ Head of the Department of Immune Response, Tumors and Immunology at IdiPAZ
- ◆ President of the IdiPAZ Research Commission
- ◆ Sponsor of the External Scientific Committee of the Murcian Institute of Health Research
- ◆ Member of the Scientific Commission of FIDE
- ◆ Editor of the international scientific journal Mediators of Inflammation
- ◆ Editor of the international scientific journal "Frontiers of Immunology
- ◆ Coordinator of IdiPAZ Platforms
- ◆ Coordinator of Health Research Funds in the areas of Cancer, Infectious Diseases and HIV
- ◆ PhD in Nuclear Physics, University of La Habana
- ◆ Doctorate in Pharmacy from the Complutense University of Madrid



## Professors

### Dr. Avendaño, Jose

- ◆ Sara Borrell Researcher Foundation for Biomedical Research of the Ramón y Cajal University Hospital (FIBioHRC/IRyCIS)
- ◆ Researcher Foundation for Biomedical Research of La Paz University Hospital (FIBHULP/ IdiPAZ)
- ◆ Researcher HM Hospitals Foundation (FIHM)
- ◆ Graduate in Biomedical Sciences from the University of Lleida
- ◆ Master's Degree in pharmacological research from the Autonomous University of Madrid
- ◆ PhD in Pharmacology and Physiology from the Autonomous University of Madrid

# 04

# Structure and Content

The syllabus of this Postgraduate Certificate is backed by the endorsement of experts who have been involved in the development of the contents. In addition, TECH has developed this program in a 100% online format, to make it easier for students to follow, adapting it to their needs. In addition, 360 hours of additional material are included: detailed videos, research articles, complementary readings, and simulation of clinical cases to make this academic experience a dynamic degree that gets the most out of the students.



“

*TECH applies the innovative Relearning methodology to reduce your teaching load so that you do not have to invest long hours of memorization to assimilate the contents”*

## Module 1. Dissemination of Results I: Reports, memoirs and scientific articles

- 1.1. Generating a Scientific Report or Memory of a Project
  - 1.1.1. Optimal Approach to the Discussion
  - 1.1.2. Presentation of the Limitations
- 1.2. Generation of a Scientific Article: How to Write a Paper on the Basis of the Data Obtained?
  - 1.2.1. General Structure
  - 1.2.2. Where Does the Paper Go?
- 1.3. Where to Start?
  - 1.3.1. Adequate Representation of the Results
- 1.4. The Introduction: The Mistake of Starting with this Section
- 1.5. The Discussion: The Cusp Moment
- 1.6. The Description of Materials and Methods: The Guaranteed Reproducibility
- 1.7. Choice of the Journal where the Paper is to be submitted
  - 1.7.1. Choice Strategy
  - 1.7.2. Priority List
- 1.8. Adaptation of the Manuscript to the Different Formats
- 1.9. The "Cover Letter": Concise Presentation of the Study to the Editor
- 1.10. How to Respond to Reviewers' Doubts? The Rebuttal Letter

## Module 2. Dissemination of Results II: Symposia, congresses, dissemination to society

- 2.1. Presentation of Results at Congresses and Symposia
  - 2.1.1. How is a Poster Generated?
  - 2.1.2. Data Representation
  - 2.1.3. Focusing the Message
- 2.2. Short Communications
  - 2.2.1. Data Representation for Short Communications
  - 2.2.2. Focusing the Message
- 2.3. The Plenary Lecture: Notes on How to Keep the Attention of the Specialized Audience for More than 20 Minutes



- 2.4. Dissemination to the General Public
  - 2.4.1. Need Vs. Opportunity
  - 2.4.2. Use of References
- 2.5. Use of Social Networks for the Dissemination of Results
- 2.6. How to Adapt Scientific Data to the Popular Language?
- 2.7. Hints for Summarizing a Scientific Paper in a Few Characters
  - 2.7.1. Instant Dissemination via Twitter
- 2.8. How to turn a Scientific Paper into a Popularization Material
  - 2.8.1. Podcast
  - 2.8.2. YouTube Videos
  - 2.8.3. Tik Tok
  - 2.8.4. Comic Book
- 2.9. Popular Literature
  - 2.9.1. Columns
  - 2.9.2. Books

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*A 100% online program that will immerse you in the latest trends in human drug research"*

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

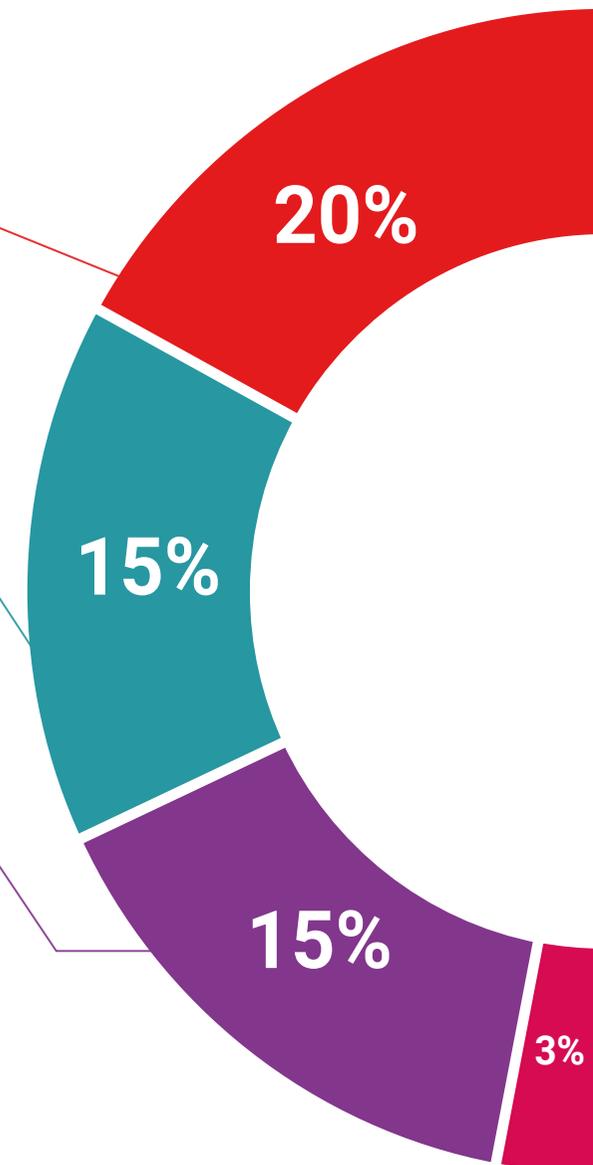
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

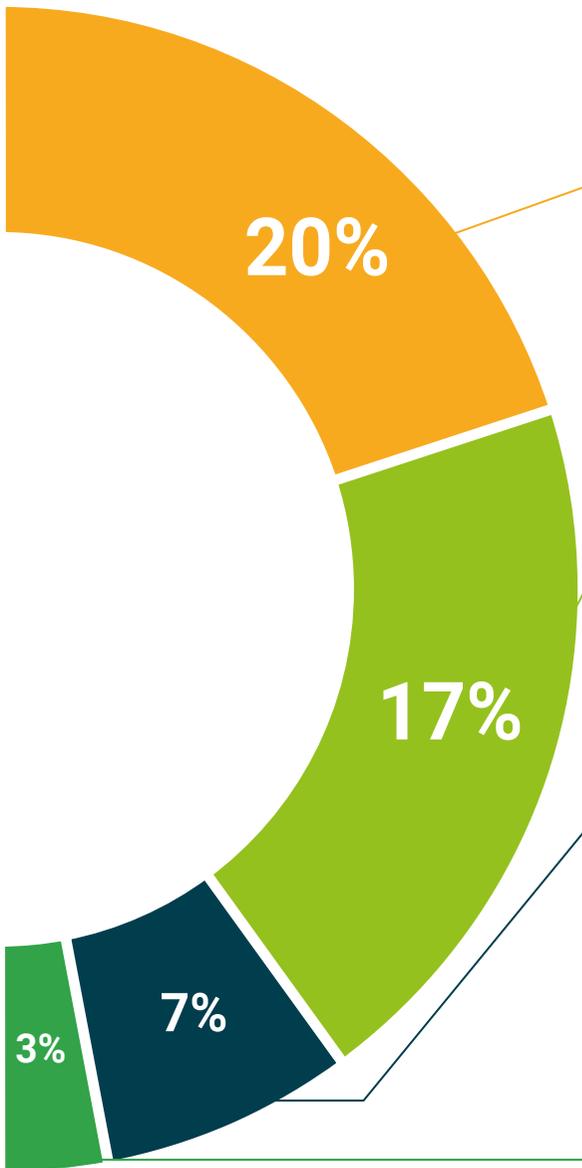
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Certificate in Dissemination of Research Results guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Dissemination of Research Results** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

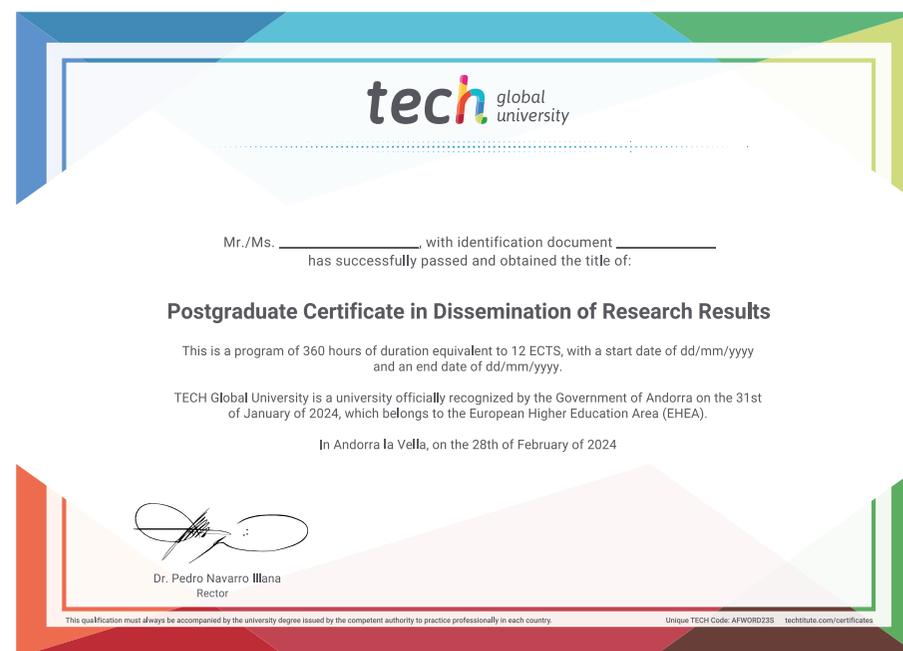
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Dissemination of Research Results**

Modality: **online**

Duration: **12 weeks**

Accreditation: **12 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.



## Postgraduate Certificate

### Dissemination of Research Results

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# Postgraduate Certificate

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