

# Postgraduate Certificate

## Protection and Transfer of Medical Research Results



## Postgraduate Certificate Protection and Transfer of Medical Research

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/protection-transfer-medical-research](http://www.techtute.com/us/medicine/postgraduate-certificate/protection-transfer-medical-research)

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# 01

# Introduction

The protection of medical research knowledge is fundamental given its possible transfer to socio-economic sectors interested in its exploitation. An example of this was the race to launch the COVID vaccine. In this sense, protection makes it possible to safeguard scientific creations against plagiarism and copyright. Retaining the patents also ensures that the results are secure and, therefore, are not eliminated. Therefore, specialists in the research area must also master this phase and be up to date with patent exploitation license agreements. For this reason, TECH offers a 100% online degree that explores the protection of results, the transfer of data to industry and the generation of spin-off companies. All this, through a dynamic and rigorous teaching aimed at physicians and other health science professionals.





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*With this Postgraduate Certificate you will learn about in the valorization of the results of a research project in only 6 weeks”*

The objective of protecting the results of a study is based on the control of the findings against plagiarism. To this end, it is essential to subject scientific research to quality standards and international guidelines on good clinical practice. Appropriations in this field are an ethical problem that must also be faced by specialists dedicated to this area. Nowadays, the transmission of knowledge uses the Internet as the main channel, so experts must be aware of all the intricacies that await danger on the Net.

For this reason, TECH offers a complete and rigorous program designed to update students' knowledge of patents and the valorization of the results of a research project, as well as the technology transfer contract, industrial secrecy and the generation of spin-off companies from a research project. In addition, this program focuses on the transfer of results to industry and clinical practice. All this, with the support of a teaching team versed in the area and with its own medical in the area and with its own medical research.

In addition, TECH applies the latest learning methodology and the best audiovisual content in different formats to make teaching a flexible and simple experience. At the same time, thanks to its Relearning learning system, the Technological University aims to relieve students of long hours of study and facilitate the assimilation of content in a gradual and constant manner. In addition, the program is 100% online, so that students can adapt the pace of study to their professional and personal needs.

This **Postgraduate Certificate in Protection and Transfer of Medical 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 eminently practical contents with which it is conceived provide medical information on those disciplines that are indispensable for the practice of medicine. for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions for experts, discussion forums on controversial issues and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Expand your knowledge to master the search for investment opportunities in spin-off companies and lead this field"*



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*Be part of the new era of up-to-date professionals who are at the forefront of Medical Research so that you can act with guaranteed success”*

The program includes, in its teaching staff, professionals from the sector who contribute to this training with their work experience, as well as renowned specialists from reference societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train 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, it will be assisted by an innovative interactive video system created by renowned experts. .

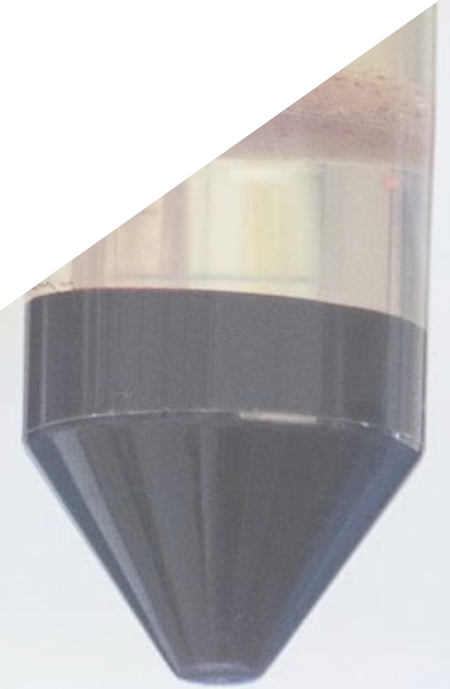
*Renew your knowledge in Medical Research to approach new methods of transferring results to clinical practice.*

*Delve into the protection of results in a general and specific way depending on the type of research you conduct or collaborate on.*

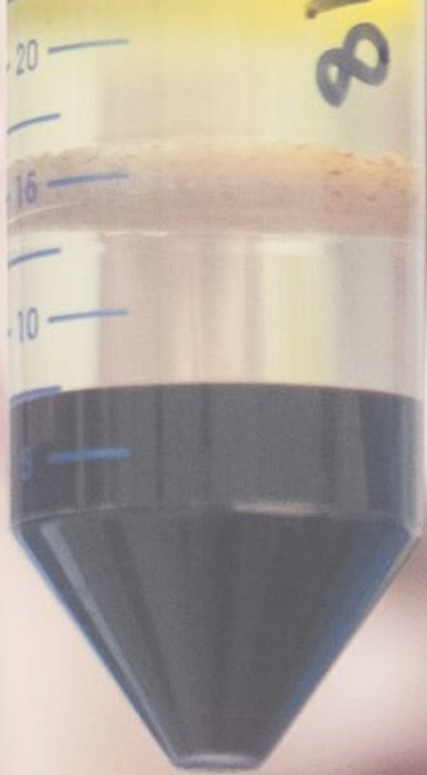


# 02 Objectives

This Postgraduate Certificate on Protection and Transfer of Medical Research Results aims to broaden and update the knowledge of medical graduates and other professionals interested in increasing their skills in the practice of patent generation. In this way, the student will be introduced to the world of protection of results through patents and the like. On the other hand, you will learn about the possibilities of creating companies as a result of a research project. This is achieved through TECH's pedagogical methodology and thanks to the support of a professional team versed in the medical-scientific area.







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*Get all the additional resources with which you can more confidently assess the results of a research project”*



## General Objectives

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- ◆ Understand the appropriate approach to a question or problem to be solved
- ◆ Assess 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
- ◆ Writing scientific articles (papers) according to the target 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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- ◆ Introduction to the world of results protection
- ◆ Know in depth about patents and similar
- ◆ You will learn in depth about the possibilities of creating companies

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*If you are looking for an upgrade on alternatives for the protection of your own research results, this Postgraduate Certificate is perfect for you"*



03

# Course Management

TECH has called on teachers who are currently working in the scientific field to instruct their students and develop the contents of this Postgraduate Certificate. Thanks to their collaboration, the medical professional will not only enjoy rigorous and quality knowledge, but will also be able to acquire practical advice from teachers based on their extensive professional experience. In addition, the specialists enrolled in the program will be able to contact the experts through a direct communication channel to resolve all their questions. In this way, the researcher's education is guaranteed, which, in turn, can be put into practice in their professional practice.



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*Are you going to miss out on the opportunity to dive directly into performance protection from industry experts? TECH offers you its apprenticeship so that you can apply all the knowledge in practice with guaranteed success"*

## 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 Inmune Response and Infectious Diseases at IdiPAZ
- Head of the Department of Inmune 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. del Fresno, Carlos

- ◆ Expert Researcher in Biochemistry, Molecular Biology and Biomedicine Expert Researcher in Biochemistry, Molecular Biology and Biomedicine
- ◆ "Michael Servetus" Researcher. Group Leader, Research Institute of the Hospital la Paz (IdiPAZ)
- ◆ Researcher Spanish Association Against Cancer (AECC), National Center for Cardiovascular Research (CNIC- ISCIII)
- ◆ Researcher, National Center for Cardiovascular Research (CNIC - ISCIII)
- ◆ "Sara Borrel" Researcher, National Biotechnology Center (CNIC - ISCIII)
- ◆ PhD in Biochemistry, Molecular Biology and Biomedicine, Autonomous University of Madrid
- ◆ Degree in Biology from the Complutense University of Madrid

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*A unique, key, and decisive educational experience to boost your professional development”*

# 04

## Structure and Content

The content of this Postgraduate Certificate on Protection and Transfer of Medical Research Results has been carefully designed by experts in the areas of Cancer, Infectious Diseases and HIV, among others. TECH has equipped its degrees with new pedagogical techniques to make them simpler and more effective. In this sense, the program has a 100% online format and the Relearning methodology, in order to enable a study free of long hours of memorization, which are common in other orthodox degrees. In this case, the students will assimilate the contents in a simple and gradual manner to guarantee their correct instruction without having to travel or to follow a pre-set timetable.





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*A program based on theoretical and practical materials that will make you study in a dynamic and simple way with the most innovative pedagogical tools"*



## Module 1. Protection and Transfer of Results

- 1.1. Protection of Results: General Aspects
- 1.2. Valorization of the Results of a Research Project
- 1.3. Patents: Pros and Cons
- 1.4. Other Forms of Protection of Results
- 1.5. Transfer of Results to Clinical Practice
- 1.6. Transfer of Results to Industry
- 1.7. The Technology Transfer Contract
- 1.8. Trade Secrets
- 1.9. Spin-Off Company Generation Based on Research Projects
- 1.10. Search for Investment Opportunities in Spin-Off Companies





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*A program designed for specialists like you, who wish to apply the technology transfer contract by mastering all its keys in order to promote the development of their 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 Protection and Transfer of Medical Research Results guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



A photograph of several black graduation caps (mortarboards) against a bright blue sky with light, wispy clouds. The caps are positioned at various angles, some in the foreground and others in the background, creating a sense of depth. The image is partially overlaid by a white diagonal shape in the bottom right corner.

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

This **Postgraduate Certificate in Protection and Transfer of Medical Research Results** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Protection and Transfer of Medical Research Results**

Official N° of Hours: **150 h.**



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



## Postgraduate Certificate

Protection and Transfer  
of Medical Research

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- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online



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