

# Postgraduate Certificate

## Protection and Transfer of Medical Research Results





## Postgraduate Certificate Protection and Transfer of Medical Research Results

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

Website: [www.techtute.com/pk/physiotherapy/postgraduate-certificate/protection-transfer-medical-research-results](http://www.techtute.com/pk/physiotherapy/postgraduate-certificate/protection-transfer-medical-research-results)

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# 01

# Introduction

The Internet has exponentially boosted the study and scientific trials on Physiotherapy. Thanks to this tool, dissemination to the masses is a global success. Without these advances, non-specialists would not be able to understand the results of research. However, it is also necessary for specialists to have technological data protection tools at their disposal when transmitting findings and key data on their development. This will not only allow knowledge to be preserved on the network in the long term and be useful for future advances, but will also make it possible to control attacks against patents and secure research copyrights. For this reason, TECH offers a 100% online program that focuses on the protection of results through dynamic and rigorous teaching.



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*With this Postgraduate Certificate you will learn how to evaluate the results of a research project in only 6 weeks”*

Health Science experts studying the new techniques to be incorporated in this field must master the risks of working online and transmitting knowledge with other experts via the Internet. This is a digital scenario that could cause problems when it comes to appropriating other people's research and not having secure technology transfer contracts. This is the reason why many companies ask for multidisciplinary professionals who master industrial secrecy and all the intricacies of the Web for the protection of scientific results.

For this reason, TECH has designed a complete and rigorous degree program that focuses on the evaluation of the results of a research project, as well as on the generation of spin-off companies from a research project. In addition, this Postgraduate Certificate in Protection and Transfer of Medical Research Results has been designed by a teaching team versed in Research and who have developed their own projects associated with Physiotherapy, in order to guarantee the students an optimal academic instruction. In this line, the specialists will be able to communicate with the teachers through a direct communication channel to solve all their doubts regarding the syllabus.

The main objective of this program is to update and improve the competencies of physical therapists, so that they can apply the latest advances in their research management and become much more competitive professionals in the labor market. In addition, TECH applies the latest learning methodology and the best audiovisual content in different formats to make teaching a flexible and simple experience in only 300 hours. Likewise, the Relearning methodology will prevent specialists from having to invest long hours of memorization to assimilate the contents, as occurs in other orthodox programs. It is, therefore, a unique opportunity to train as a researcher, through a 100% online program.

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 practical contents with which they are created, provide medical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Do you want to improve your skills to keep up with the demands of the industry and new digital techniques? You can get it thanks to TECH, sign up now"*



“

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

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. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*Are you not yet aware of the opportunities for generating spin-off companies from a research project? Dig into the ins and outs of your start-up with TECH.*

*Thanks to this program, you will be able to transfer the results of scientific research to clinical practice and industry with full guarantees.*



# 02

# Objectives

This program aims to educate graduates in Physiotherapy who are interested in Medical Research, in order to broaden their knowledge towards the praxis of patent generation. On the other hand, you will learn about the possibilities of creating companies as a result of a research project, among many other issues. All this, with a contextualized vision and future perspectives towards new digital technologies. A program expressly aimed at increasing the enthusiasm in the performance of researchers in the physiotherapeutic area.





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*Get more confidence to develop your work as a professional and explore the technology transfer contract, thanks to the materials offered by TECH”*



## General Objectives

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- ◆ Adequately formulate 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
- ◆ Draft projects in accordance with the different calls for proposals
- ◆ Get to know how to search for a Funding Model
- ◆ Master the necessary data analysis tools
- ◆ Write scientific articles (papers) for the daily magazines
- ◆ Identify the main tools for dissemination to the non-specialized public





## 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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*A program that will elevate you to the top of the research ranks to set you apart from other professionals in the job market”*

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 physiotherapy 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 training is guaranteed, which, in turn, can be put into practice in their professional practice.





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*TECH offers you learning through the qualification of experts versed in Physiotherapy Research, 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

- ◆ Researcher Specialist in Biochemistry, Molecular Biology and Biomedicine
- ◆ "Michael Servetus" Researcher. Group Leader, Research Institute of the La Paz Hospital (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)
- ◆ D. in Biochemistry, Molecular Biology and Biomedicine from the Autonomous University of Madrid
- ◆ Degree in Biology from the Complutense University of Madrid

# 04

## Structure and Content

The syllabus of this Postgraduate Certificate has been designed under the guidance of a group of specialists versed in Medical Research. It is a program that offers a great perspective on the keys to protection and transfers of results. All this, in a simple way and thanks to the Relearning methodology. This pedagogical method achieves the development of a gradual and constant learning process that facilitates the assimilation of the contents. In addition, students have a direct communication channel through which they can resolve all questions about the subject. In addition, TECH allows the downloading of the Virtual Campus reference guide, so that the student has the materials whenever needed.





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*TECH has incorporated a multitude of audiovisual materials in diverse and additional formats, so that you can learn in a dynamic and simple way"*

## 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. Generation of *Spin-Off* Companies from a Research Project
- 1.10. Search for Investment Opportunities in *Spin-Off* Companies







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*Are you going to miss the chance to upgrade? Every day there are changes in the research sector, reach them with TECH”*

# 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. Physiotherapists/kinesiologists 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 of professional physiotherapy 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. Physiotherapists/kinesiologists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the physiotherapist/kinesiologist 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*The physiotherapist/kinesiologist will learn through real cases and by solving 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 we enabled more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our educational 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 education, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 our 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 really specific and precise.

These contents are then adapted in 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.



#### Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, students can watch them as many times as they want.



#### 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 assess and re-assess 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 suggesting that observing third-party experts can be useful. 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.





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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 certificate 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 certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



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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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