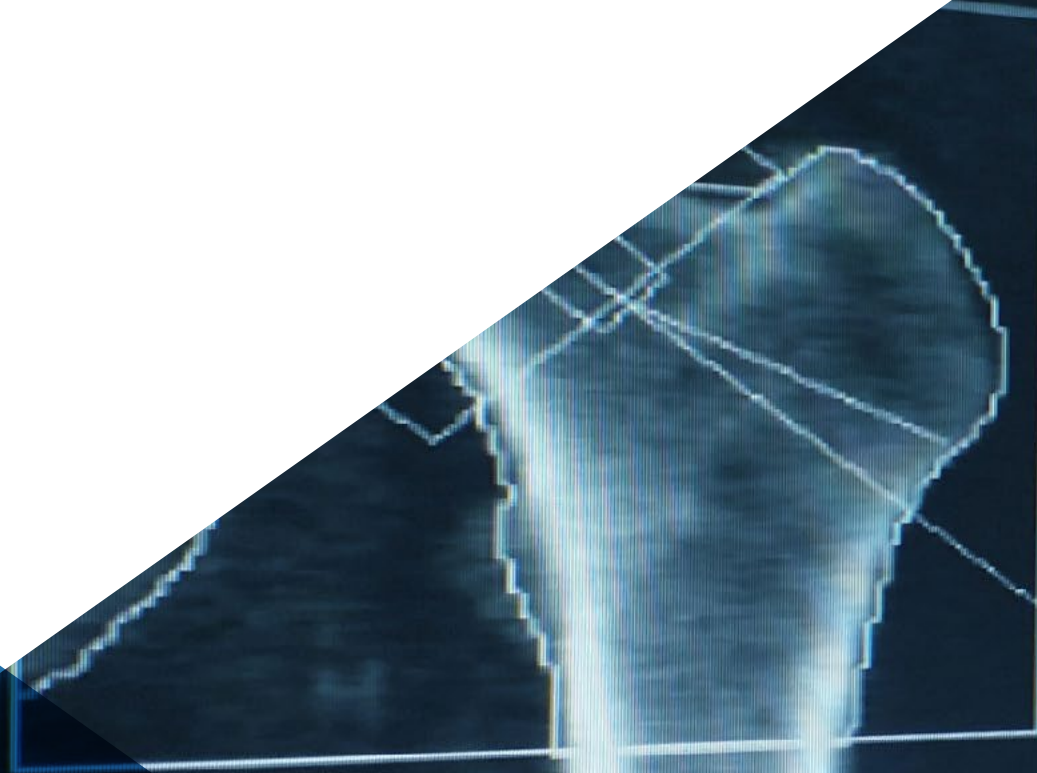
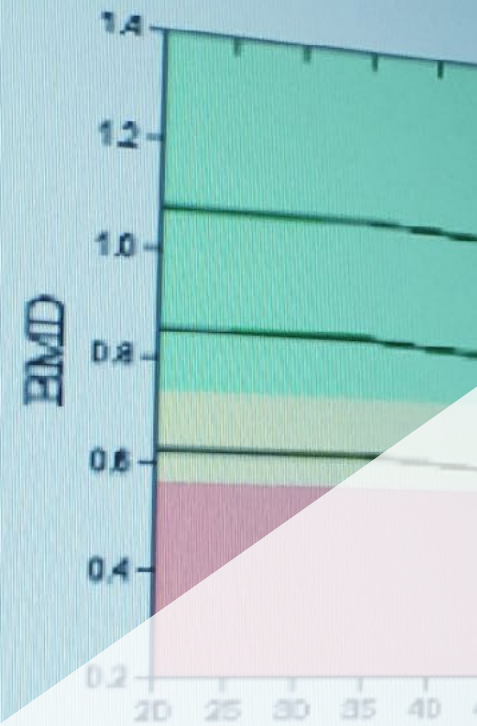


# Postgraduate Certificate

## Bibliographic Positioning in Medical Research



- (??)





## Postgraduate Certificate Bibliographic Positioning in Medical Research

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

Website: [www.techtitute.com/in/physiotherapy/postgraduate-certificate/bibliographic-positioning-medical-research](http://www.techtitute.com/in/physiotherapy/postgraduate-certificate/bibliographic-positioning-medical-research)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

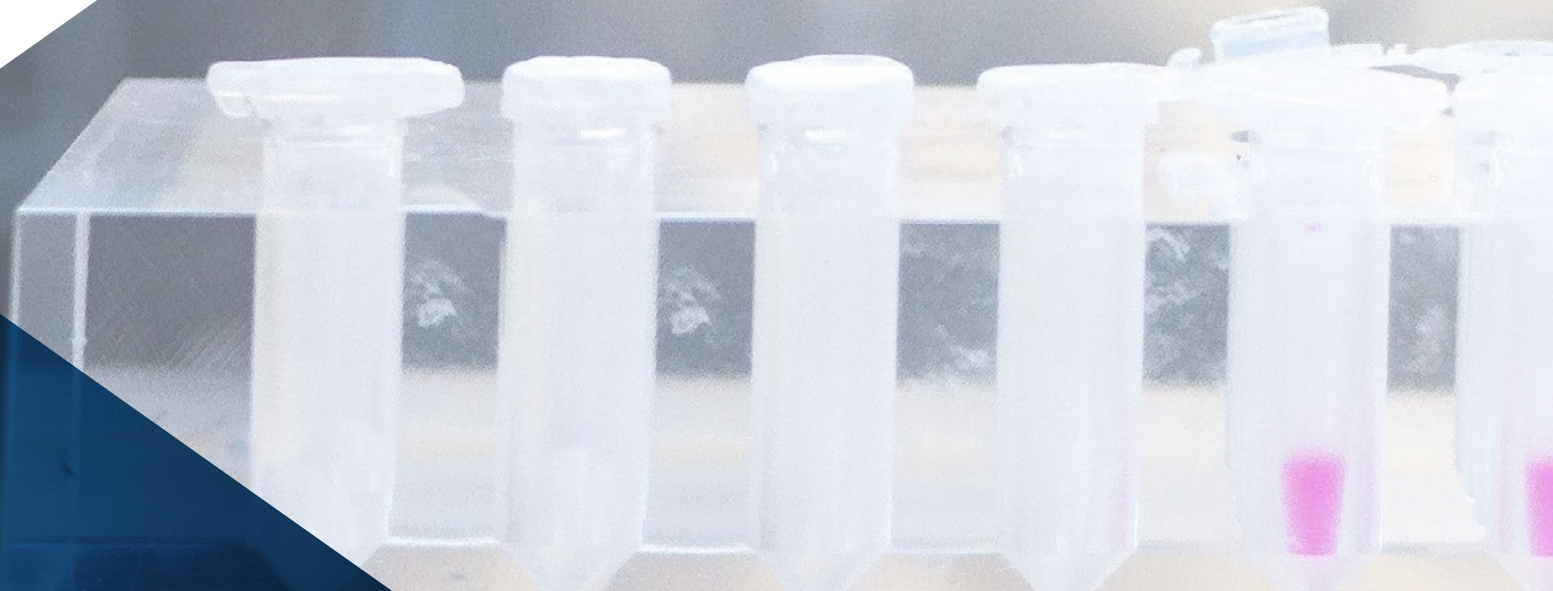
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*p. 28*

# 01

# Introduction

Bibliographic positioning is not only key for the correct preservation of research processes, but it is also an advantage for the rest of the professionals who investigate in the same line. Thanks to this system, experts can perform much more concise and direct searches than if they were to delve into the pages without specifying keywords. Recording the results is, therefore, a key task for the development of research projects in any Health Science. Therefore, physical therapists must master the extraction of metadata in bibliographic searches, the treatment of sources and the generation of reference bases for multiple use. All this has been compacted in this program offered by TECH, which aims to update the knowledge of students to increase the performance of their research projects, through a 100% online academic experience.



“

*Thanks to this Postgraduate Certificate, documentary and bibliographic sources will be a strength of yours. Sign up now and find out how you will investigate the positioning of your studies with TECH"*

Locating items on the Internet in a simple and straightforward manner is key to reducing project costs. This will also help us to gain recognition for our research work, since the more people cite it or use it as a basis for their own study, the more prestigious it will be. These are benefits that digital platforms offer now more than ever. In this way, experts benefit from specific Physiotherapy websites and avoid having to search through a large number of addresses that do not provide them with any further benefit in the end. It is essential for the performance of an investigation that this phase is perfectly respected and mastered.

For this reason, TECH has developed a complete and rigorous degree that delves into the bibliographic positioning of the question or problem to be solved and the search for information, as well as pubmed and other repositories of scientific articles. In addition, this Postgraduate Certificate in Bibliographic Positioning in Medical Research has been designed by a teaching team versed in Medical Research, 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 the knowledge of physiotherapists, so that they can promote their research projects in the area. In addition, TECH has designed this program under academic excellence so that, being 100% online, it adapts to the circumstances of graduates and other interested professionals and complements their professional development. 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, an opportunity to train as a specialist and to be involved in the design of positive and negative controls in an investigation.

This **Postgraduate Certificate in Bibliographic Positioning in Medical Research** 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 assignments
- ◆ The availability of access to content from any fixed or portable device with an Internet connection



*Explore the advantages of using scientific article repositories to position information thanks to the theoretical and practical knowledge of this Postgraduate Certificate"*

“

*An academic program that adapts to you and your personal and professional needs thanks to its 100% online modality”*

*Positively influences the development of research projects by mastering the generation of reference bases for multiple use.*

*Renew your skills thanks to the instruction of experts in Medical Research who collaborate with TECH for the development and care of students.*

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.



# 02 Objectives

This program aims to educate Physiotherapy graduates who wish to broaden their knowledge of the most innovative strategies and techniques for the extraction of metadata in bibliographic searches and the scientific method applied to health research. All this, with a contextualized vision and the most efficient pedagogical methodology adapted to the needs of specialists. A program aimed at increasing the avidity in the performance of physical therapists enrolled in the program who are engaged in the research of your Science.





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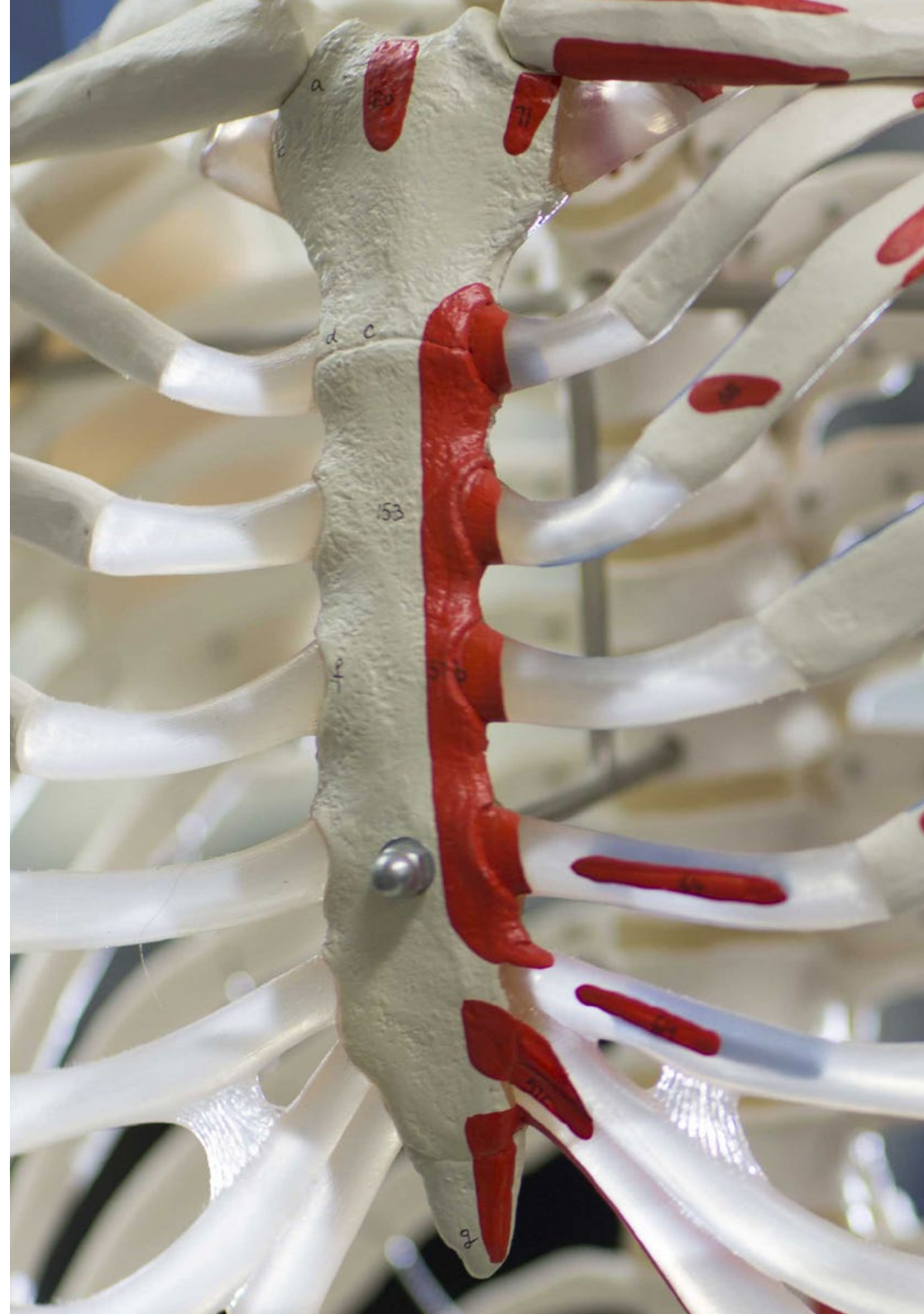
*Master all the phases of Medical Research and update your knowledge in the search for bibliographic methods that will be key in the development of your own research and that of other specialists"*



## 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
- ◆ Look for A Funding Model
- ◆ Master the necessary data analysis tools
- ◆ Writing scientific articles (papers) according to the target magazines
- ◆ Identify the main tools for dissemination to the non-specialized public





## Specific Objectives

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- ◆ Become familiar with the scientific method to be followed to carry out a health research
- ◆ Learn the correct way to ask a question and the methodology to follow to achieve the best possible answer
- ◆ Delve into learning how to search for bibliographic methods
- ◆ Master all the concepts of scientific activity

“

*Thanks to TECH you will become familiar with the scientific method to follow in a research related to Health”*

03

# Course Management

TECH has carefully selected professors who are currently working in the scientific field to instruct their students and develop all the content that appears in this program. In this sense, the Technological University has leaned the development of the degree to the human value that the experts and the practical knowledge in the real scenario that will be transmitted to the student. With this collaboration, a correct instruction of the Physiotherapy researcher is guaranteed, which, in turn, will give them the keys to apply it to the research praxis.



“

*Do you want to join a degree program that is taught by professionals who work in the real scenario in which you or the ones you want to join? This is the Postgraduate Certificate perfect for you”*

## Management



### Dr. Lopez-Collazo, Eduardo

- ◆ Deputy Scientific Director at the Healthcare Research Institute of the 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



# 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 update on the treatment of documentary sources, data management and strategies for bibliographic positioning, among many other issues. All this, in a simple way and thanks to the Relearning methodology. This pedagogical method achieves the development of a progressive and constant learning process that facilitates assimilation of the contents. In addition, students have a direct communication channel through which they can solve all their 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.





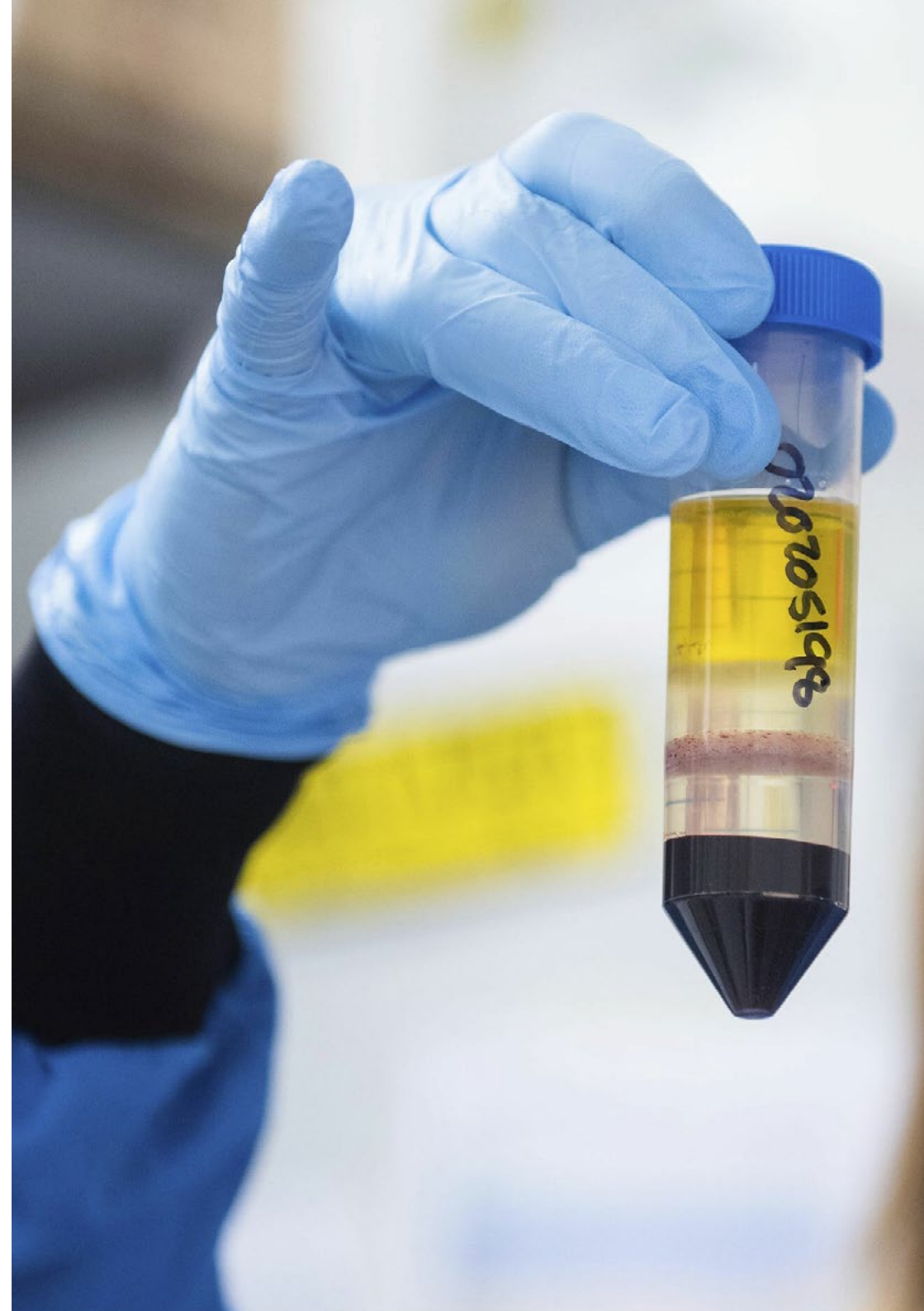


“

*Achieve your goals now with a 100% online degree that will not limit you when it comes to combining your studies with the rest of your personal and professional life"*

**Module 1.** The Scientific Method Applied to Health Research. Bibliographic positioning of the research

- 1.1. Definition of the Question or Problem to be Solved
- 1.2. Bibliographic Positioning of the Question or Problem to be Solved
  - 1.2.1. Information Search
    - 1.2.1.1. Strategies and Keywords Pubmed and Other Repositories of Scientific Articles
  - 1.2.2. Pubmed and Other Repositories of Scientific Articles
- 1.3. Treatment of Bibliographic Sources
- 1.4. Treatment of Documentary Sources
- 1.5. Advanced Bibliography Search
- 1.6. Generation of Reference Bases for Multiple Use
- 1.7. Bibliography Managers
- 1.8. Extraction of Metadata in Bibliographic Searches
- 1.9. Definition of the Scientific Methodology to be Followed
  - 1.9.1. Selection of the Necessary Tools
  - 1.9.2. Design of Positive and Negative Controls in an Investigation
- 1.10. Translational Projects and Clinical Trials: Similarities and Differences





“

*Don't wait any longer, this program is made for professionals like you, who are looking for perfection in their competences to boost the development of research projects in Physiotherapy”*

# 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.





“

*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. Gérvas, 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

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.

*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 trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. 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 training, 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 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.



#### 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, you can watch them as many times as you 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.

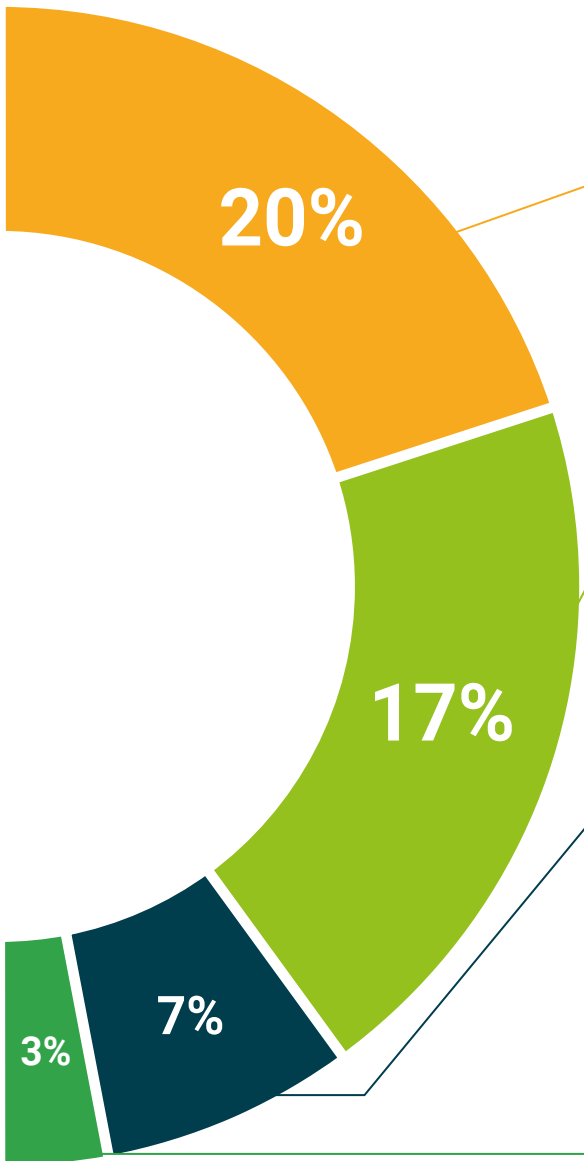
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### 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 Bibliographic Positioning in Medical Research 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 Bibliographic Positioning in Medical Research** contains the most complete and up-to-date scientific 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 Bibliographic Positioning in Medical Research**

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.



**Postgraduate Certificate**  
Bibliographic Positioning  
in Medical Research

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

# Postgraduate Certificate

Bibliographic Positioning  
in Medical Research

