

Postgraduate Certificate Collaborative Research



Postgraduate Certificate Collaborative Research

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/physiotherapy/postgraduate-certificate/collaborative-research

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01

Introduction

Collaborative research has brought new insights to the field of physiotherapy and, in this and other healthcare branches, cooperation between entities has been essential for the discovery of new methods and treatments. In this sense, specialists must be willing to share their advances and their performance with other professionals, as it will be reciprocal. Companies therefore insist on teamwork and joint work spaces. For this reason, TECH has developed a completely online program for Physiotherapists and other professionals interested in the keys to Collaborative Research. A specific and rigorous program that addresses team building, leadership and distribution of responsibilities in order for experts to update their knowledge and improve the performance of their research.





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Discover the keys to scientific cooperation thanks to this Postgraduate Certificate and master the management of several teams in less than 6 weeks"

In order to promote Collaborative Research, it is necessary for specialists to master hospital research teams, such as clinical, basic and translational research. Having greater knowledge in the area will make a more enriching contribution to the development of a joint research study. Companies are looking for experts who are familiar with collaborative networking tools for health research and who also have leadership skills.

For this reason, TECH offers a totally innovative program that delves into clinical, basic and translational observation and its new technological methods, among many other issues. All this, with a 100% online program, which has the support of a teaching team versed in Medical Research. In addition, thanks to the Relearning methodology applied by TECH, students will be exempted from investing long hours of study and will be able to assimilate the syllabus in a progressive and continuous way, thereby obtaining a more effective and enriching education.

It is a flexible program that allows the students to follow the course whatever their situation and time availability.

This Postgraduate Certificate is developed in only 6 weeks to speed up the learning process and provide students with skills, through theoretical and practical exercises and the simulation of real cases that prepare them for their practical application. This is an excellent opportunity for those physiotherapists who are dedicated to the research area and who are looking for a quality university certificate.

This **Postgraduate Certificate in Collaborative 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 scientific and practical 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
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



This program will not only provide you with knowledge about the distribution of responsibilities, but you will also develop leadership skills that will put you at the forefront of research work"

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Be part of the group of professionals who guide research work in Physiotherapy so that you will drive its development and the performance of specialists"

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.

The 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 immersive education programmed to prepare for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Discover the advantages of collaboration between different entities and the creation of collaborative networks thanks to the theoretical and practical knowledge offered by TECH.

Enjoy now 150 hours of audiovisual content in various formats that will be taught by professionals in the industry.



02 Objectives

This Postgraduate Certificate in Collaborative Research aims to update students on cooperativity in the research area. The aim is that physiotherapy graduates and other interested health professionals can improve their skills and apply them in the real scenario of action. In this way, students will be able to intervene in the creation of working groups and new methods and effective platforms within a modern perspective of the area.





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TECH will help you achieve your goals in International Collaborative Research in order to expand your research career globally”



General Objectives

- ◆ 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
- ◆ Gain knowledge about how to look 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

- ◆ Learn how to create working groups
- ◆ Create new biomedical research spaces
- ◆ Know how to permanently collaborate with other research areas

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With TECH you will create collaborative networks for health research that will provide new spaces for the development of emerging projects”

03

Course Management

TECH has selected a group of teachers specialized in each subject to follow the line of its academic rigor. In this case, they are researchers with years of experience in the physiotherapy sector. Thanks to the collaboration of the experts, the students will have expert teachers who will transmit the knowledge of the program to them. In addition, students will be able to acquire advice based on real, practical experience. They will also have a direct communication channel through which they will be able to solve all their questions regarding the subject in order to guarantee their correct instruction and the follow-up of the Postgraduate Certificate.



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Don't wait any longer and update yourself with experts who have been developing for years around Medical Research focused on Physiotherapy so that you can adopt all their advice and apply it in your professional practice"

Management



Ms. Sirera Pérez, Ángela

- ♦ Scientific Deputy Director at 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

Ms. Castellanos Cabezuelo, Ángela

- ♦ Researcher at the Health Research Institute of La Paz University Hospital
- ♦ Deputy Technical Director of the Health Research Institute of La Paz University Hospital
- ♦ Director of the Biobank of the Health Research Institute of La Paz University Hospital
- ♦ Collaborating Teacher of the Polytechnic University of Catalonia
- ♦ Doctorate in Psychology the Complutense University of Madrid
- ♦ Degree in Psychology from the Complutense University Madrid



04

Structure and Content

The content of this Postgraduate Certificate in Collaborative Research is based on the knowledge of experts in Medical Research, who have extensive experience in the field. Thanks to its contribution, TECH can offer an endorsed and rigorous study, which not only incorporates theoretical knowledge in the instruction of students, but also offers the keys to the practical experience of specialists. This knowledge in the technological innovations of Collaborative Research and the ins and outs of leadership will be transmitted to the students through a Relearning methodology. This innovative method applied by TECH will make possible the gradual study of the syllabus. All this, through a digital and totally flexible teaching, which adapts to the personal and professional needs of the student.



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The case simulation gives you the opportunity to learn how to distribute responsibilities to each department according to the teams available to the company"

Module 1. Creation of Working Groups: Collaborative Research

- 1.1. Definition of Working Groups
 - 1.1.2. Formation of Multidisciplinary Teams
 - 1.1.3. Optimal Distribution of Responsibilities
 - 1.1.4. Leadership
 - 1.1.5. Control of Activities Achievement
- 1.2. Hospital Research Teams
 - 1.2.1. Clinical Research
 - 1.2.2. Basic Research.
 - 1.2.3. Translational Research
- 1.3. Creation of Collaborative Networks for Health Research
- 1.4. New Spaces for Health Research
 - 1.4.1. Thematic Networks
- 1.5. Networked Biomedical Research Centers
- 1.6. Biobanks of Samples: International Collaborative Research





“ *A program designed for professionals like you, who want to promote the collaboration of heterogeneous entities on the same research to obtain efficient results through higher performance*”

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. 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.

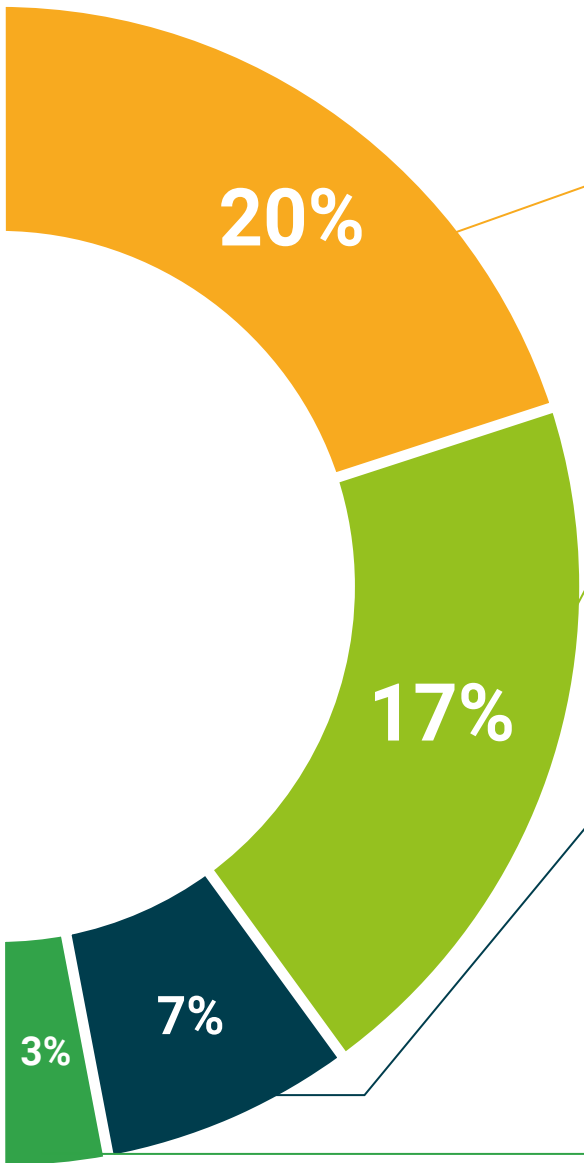
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 Collaborative Research 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 private qualification will allow you to obtain a **Postgraduate Certificate in Collaborative Research** 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** private qualification, 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 Collaborative Research**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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Postgraduate Certificate

Collaborative Research