

# 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.techtute.com/pk/nutrition/postgraduate-certificate/bibliographic-positioning-medical-research](http://www.techtute.com/pk/nutrition/postgraduate-certificate/bibliographic-positioning-medical-research)

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# 01

# Introduction

Medical research is a broad field of action in which various experts and experts in the field seek to make and experts in the field seek, from their knowledge, to make significant contributions through practical methods and experimental processes. However, in order for these contributions to have relevance within the guild and serve as an update for other professionals, they must be properly positioned and registered. In the nutritional field this is especially sensitive, due to the advance of diseases, problems and lack of answers to new pathologies, which has caused nutritionists and specialists to become more and more involved in research processes. In response to this demand, TECH has designed this 100% online program.

It is a degree enriched with audiovisual material, complementary readings and practical exercises, all designed by specialists in the sector for the benefit of the professional.







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*This Postgraduate Certificate is an opportunity for you to update your knowledge in bibliographic positioning, which will allow you to know the proper research process for your future contributions”*

In order to provide a solid basis for medical research processes, professionals must identify the most recent articles and postulates in the field, which will allow them to argue their contribution to the medical field. Likewise, once they have carried out their research process, they must give credit to all the bibliographic material used for its development.

For the field of medical nutrition, professionals have to go through the same process, identify the basis of their research and give credit to the authors once it has been completed. On the other hand, the recent demands of the nutritional sector mean that the professional has to develop research techniques and methods, while consulting many others, so it becomes an arduous process of bibliographical positioning when consulting postulates, journals and theses.

It is for all these reasons that TECH has decided to launch this Postgraduate Certificate in Bibliographic Positioning in Medical Research, since it will serve the professional as a working tool to identify the proper and correct research process, using various collection techniques and making each argument a point in their favor for the development of their research.

This is a unique opportunity for the nutrition professional, because with such difficult schedules, this program offers a solution by being 100% online, which will allow you to take it in the time of your choice. In addition, it has audiovisual material, complementary readings and practical exercises designed by specialists in the field.

This **Postgraduate Certificate in Bibliographic Positioning in Medical Research** contains the most complete and updated scientific program in the market. Its most outstanding features are

- ◆ 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 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



*Use the best informative tools for the development of your research in the field of medical nutrition"*

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*Be part of new research that represents a significant advance in the nutrition sector”*

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.

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

*Update your knowledge and identify the proper bibliographic process for your research to have weighty arguments.*

*If you want your contributions to the field of medical nutrition to have validity and weight within the guild, this program will clarify all your doubts about it.*



# 02

# Objectives

TECH's main objective for this Postgraduate Certificate is to provide a solid foundation for the professional to identify the due process of medical research, which will allow them to make significant contributions in the future. On the other hand, the professional will be able to recognize which are the best documents to search for information and in the same way make evidence of them in the result of their process. A first level information for all nutritionists interested in medical research, taught in a 100% online format.





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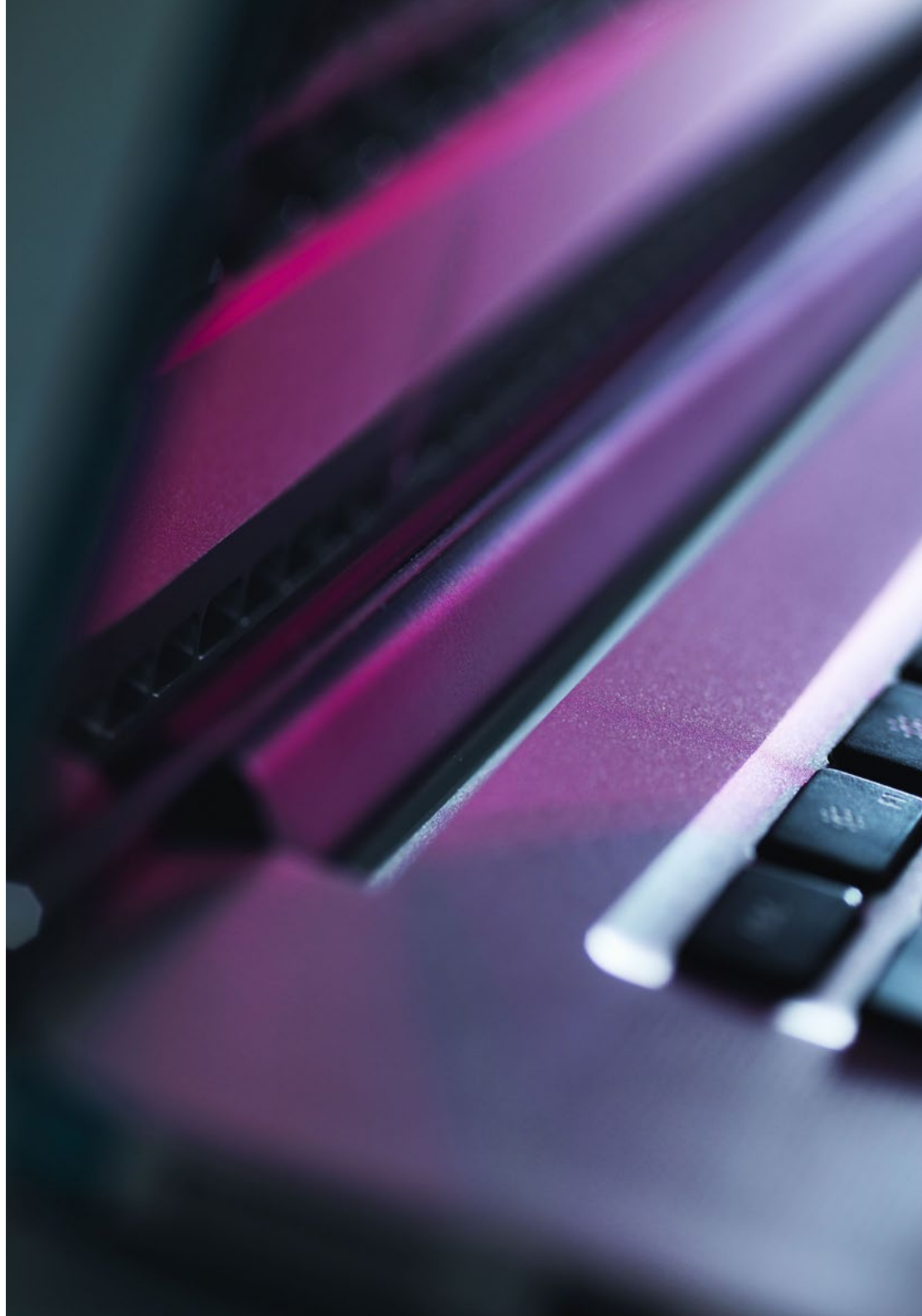
*Learn how to filter your searches using tools and keywords to find the relevant and accurate information you need”*



## 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
- ◆ 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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- ◆ 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

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*It makes significant contributions to the field of medical nutrition from first level postulates and articles”*



03

# Course Management

In its commitment to academic excellence, TECH has selected for this opportunity a first class teaching staff. Active professors with more than 10 years of experience in the medical sector, which will enrich the research process of their projects. It is for this reason that the professional nutritionist will expand his field of knowledge in bibliographic and documentary material that will more than justify his postulate or scientific article.





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*TECH brings together the best professionals in a single program so that you can solve your doubts and update your information based on medical research and bibliographic positioning”*

## 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







# 04

# Structure and Content

The content of this program was designed by TECH together with its teaching staff and brings together a series of knowledge, techniques and methodologies that seek to strengthen the foundations of the research process and data collection. Nurtured by a well-versed and effective syllabus, this program aims to be one of the most complete worldwide in terms of bibliographic positioning. In addition to this, the professional will be able to download the content of the program to review it as many times as they want, and thus solve doubts and concerns that may arise throughout the degree.





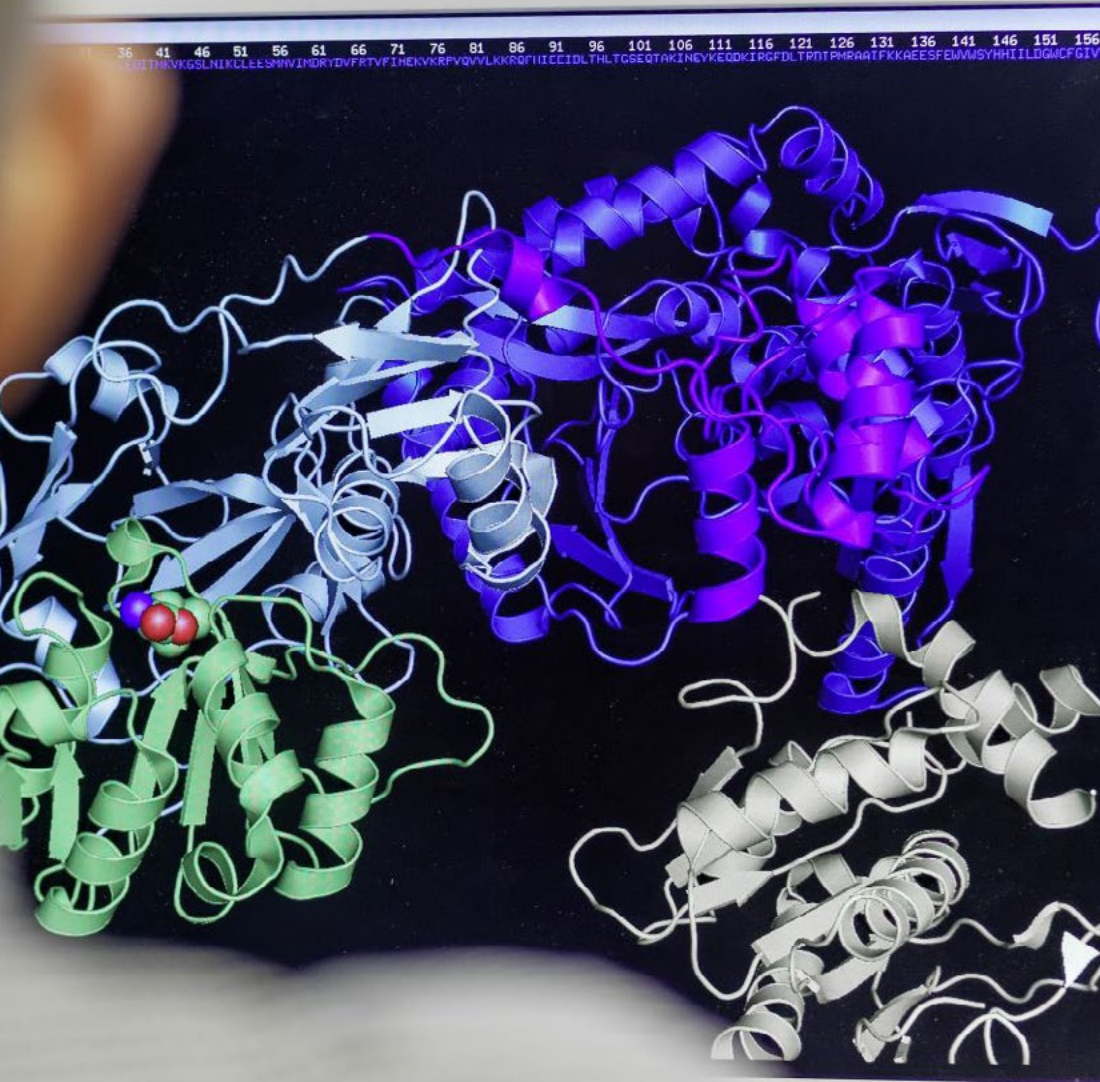
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*A program designed for you, with the most relevant and updated information in the medical and nutritional field”*

**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
    - 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





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*A program designed for specialists like you, who wish to promote scientific research in accordance with the protocols of action that benefit it”*

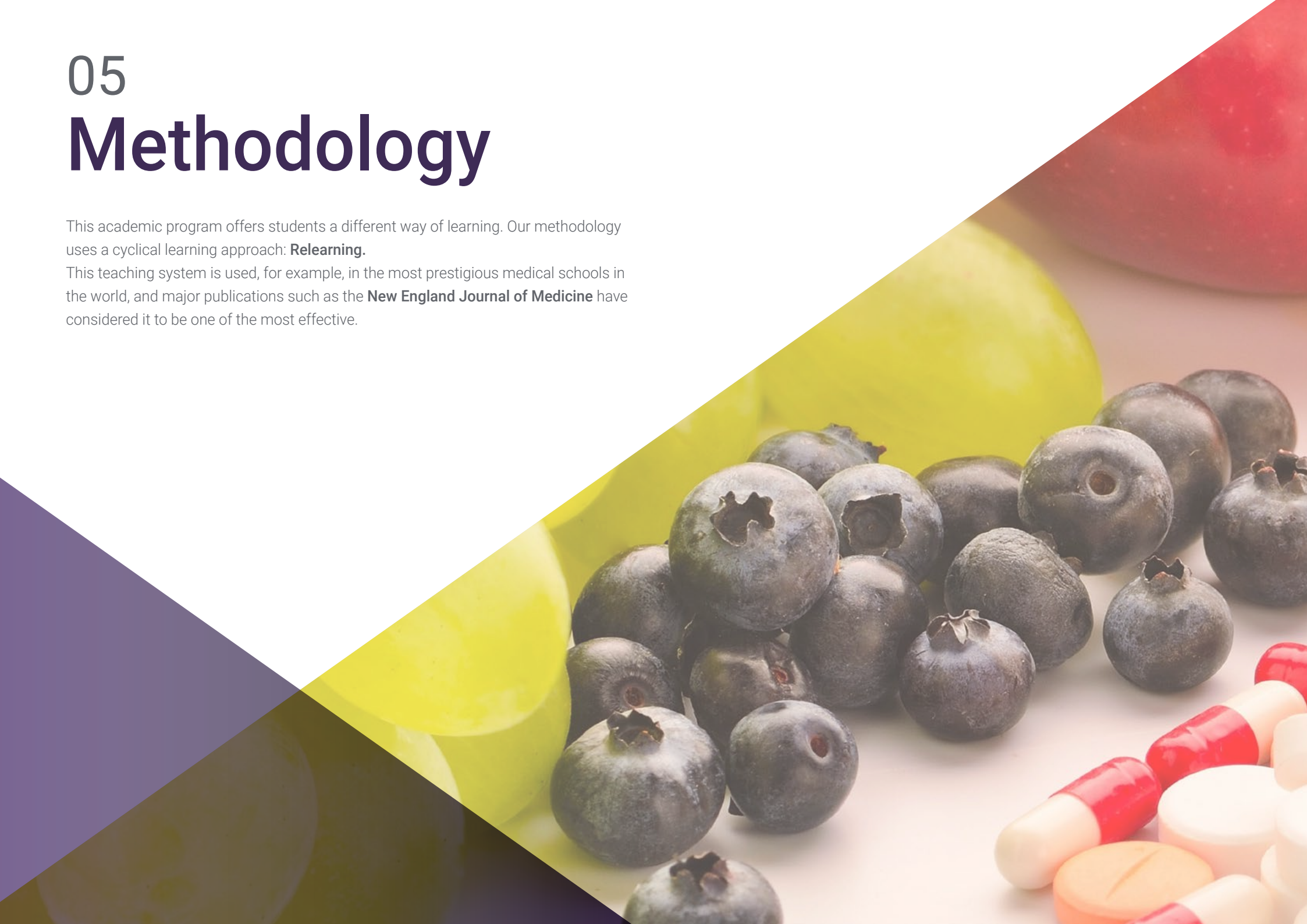


# 05

# 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.







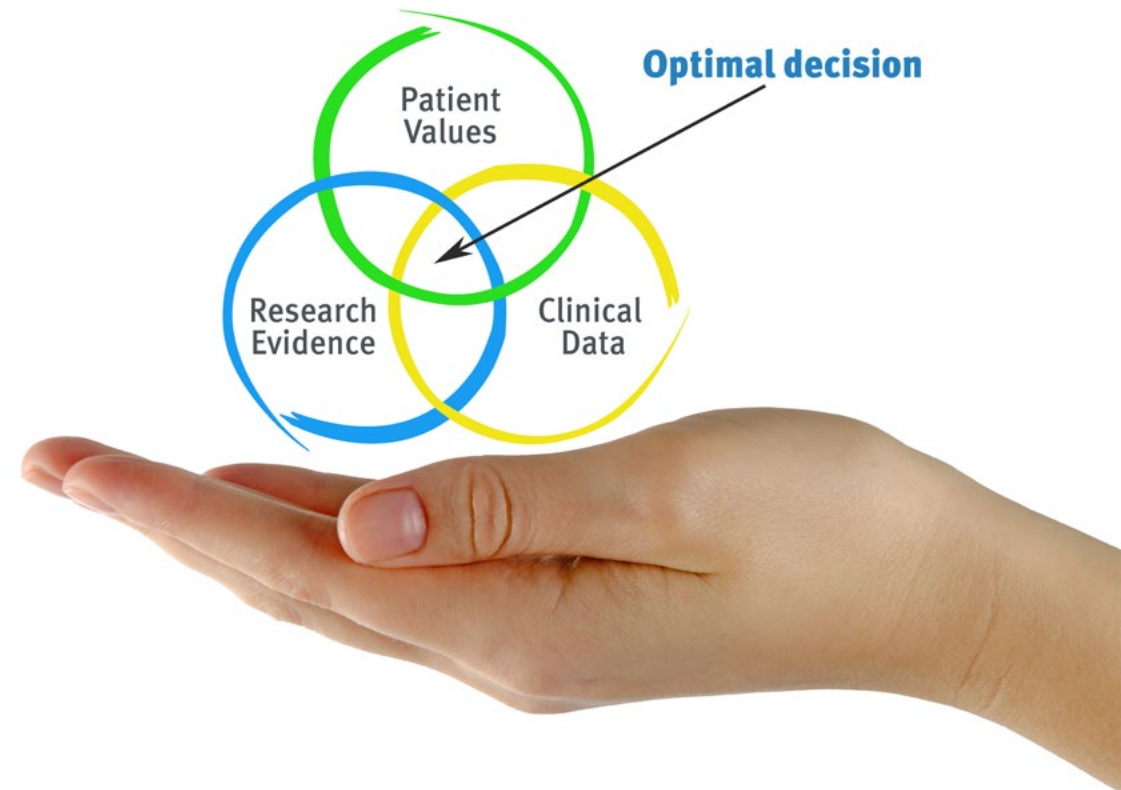
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

In a given situation, what should a professional do? 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, nutritionists can 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 nutritional 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. Nutritionists who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the nutritionist to better integrate knowledge into clinical practice.
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 nutritionist 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, more than 45,000 nutritionists have been trained with unprecedented success in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*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 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.



### Nutrition Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current nutritional counselling 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 the videos as many times as you like.



### Interactive Summaries

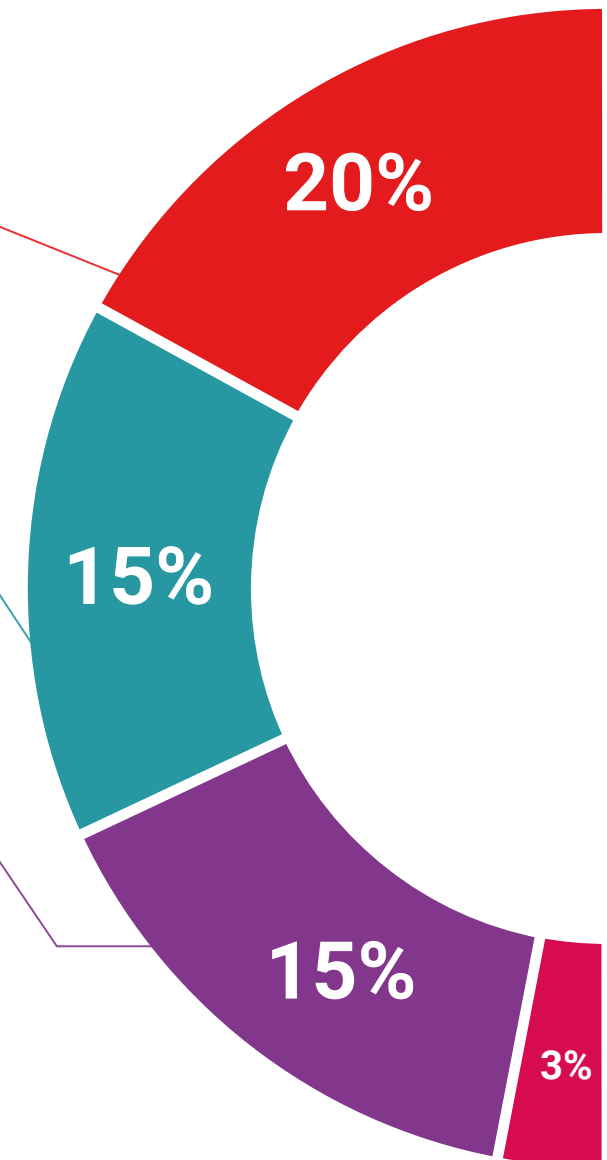
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

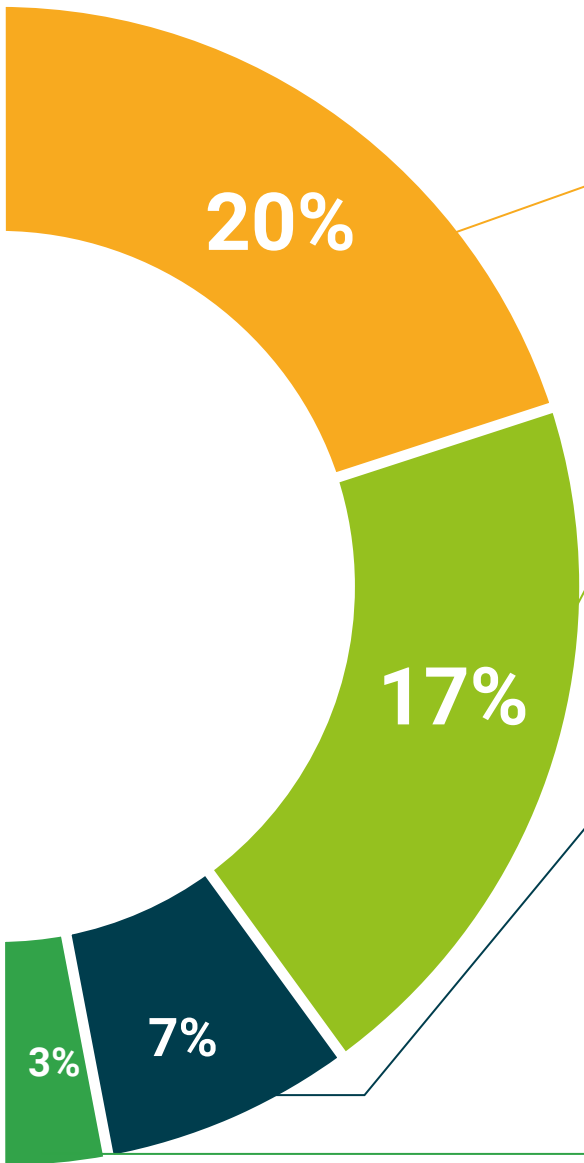


### Additional Reading

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 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 Bibliographic Positioning in Medical Research guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification 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 updated scientific program in 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.

Program: **Postgraduate Certificate Bibliographic Positioning in Medical Research**  
Official No. 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.



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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

