

Postgraduate Certificate Applied Neurosciences





Postgraduate Certificate Applied Neurosciences

- » Modality: Online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedicated: 16 hours a week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/medicina/curso-universitario/neurociencias-aplicadas

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01

Introduction

In recent years, Neurosciences have become in a reference for the development of different branches of applied knowledge, whether in clinical practice, education, linguistics or marketing, but also in other innovative areas such as economics, leadership or politics, and all this thanks to the progress of neuroimaging techniques, which have surpassed



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This training helps professionals in this field to increase their ability to succeed, which results in better practice and performance that will have a direct social benefit for the whole community"

This program offers a broad and complete vision of the complex world of Neurosciences from an applied perspective. Starting from biological bases and Neuroimaging techniques, the different practical approaches are collected, so that any interested professional will know, first of all, what Neurosciences are, how to interpret them and, above all, how to apply them to their job..

This is an advance over the eminently biological programs, centered on the neural bases and genetics of the brain, or the exclusively clinical programs, which focus on the problems associated with pathologies affecting the brain and neurodegenerative diseases.

This vision allows a better understanding of the functioning of the brain from different fields, so that the professional can have different options for its application in his job according to his interest.

This Postgraduate Certificate addresses the new branches of neuroscience that are currently under development, both theoretical and applied, so that there are still no specific training programs in this regard, beyond the practice of individual professionals and the discoveries that are made in isolation from research laboratories.

That is why this program has become a reference for such new topics as Neuromarketing or Neuroeducation, while introducing the new branches that will

be demanded by different sectors in a few years, such as Neuroeconomics

or Neuroleadership.

Students of the Postgraduate Certificate will have access to the latest advances in Neurosciences at a theoretical level, in addition to learning how to apply it in their present or future profession, therefore offering a qualitative advantage over other

This **Postgraduate Certificate in Applied Neurosciences** contains the most complete and up-to-date scientific program on the market. It's most outstanding features are:

- Practical cases presented by experts in Neurosciences
- The graphic, schematic and practical contents of the course are designed to provide all the essential information required for professional practice.
- The Latest Developments in Neurosciences
- The practical exercises where the self-evaluation process can be carried out to improve learning.
- Its special emphasis on innovative methodologies in Neurosciences
- 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



Update your knowledge through the Postgraduate Certificate program in Applied Neurosciences"

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This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Applied Neurosciences, you will obtain a postgraduate Certificate from TECH Technological University”.

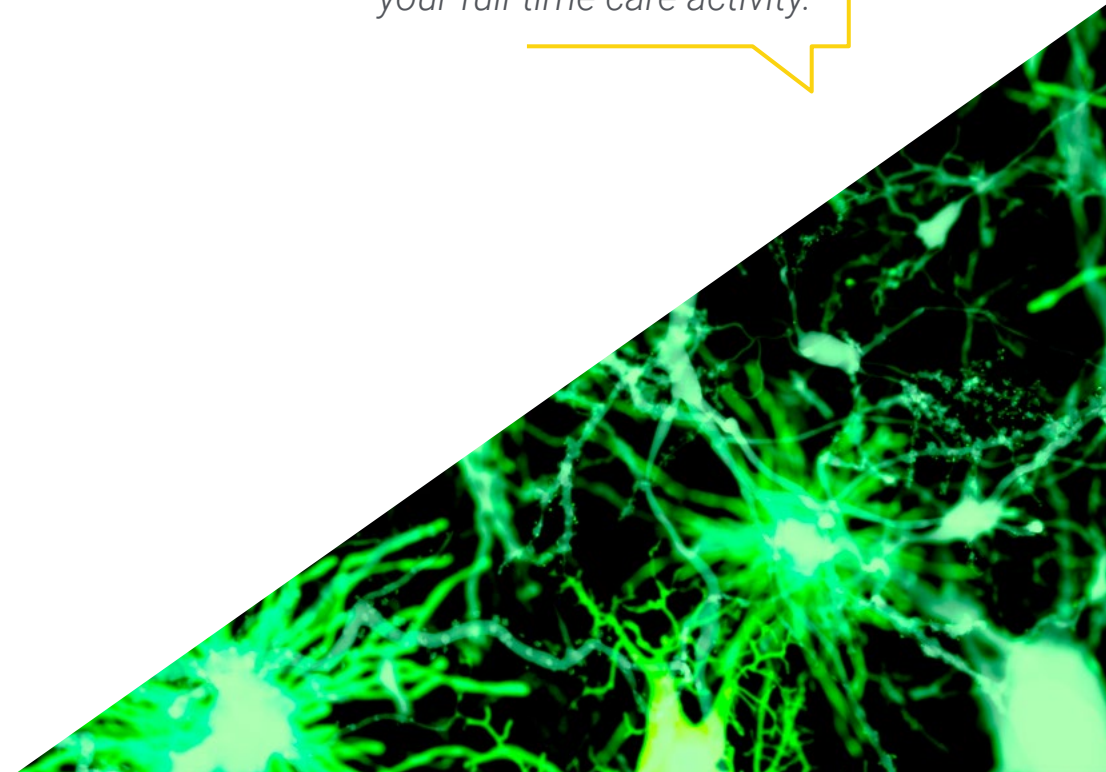
The teaching staff includes professionals from the field of Neurosciences, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 deliver an immersive learning experience, programmed to train in real situations.

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

Increase your confidence in decision making by updating your knowledge through this program.

You will be able to complete the Postgraduate Certificate 100% online, adapting it to your needs and making it easier for you to study while you carry out your full-time care activity.



02 Objectives

The Applied Neurosciences program is oriented to facilitate the work of the professional, based on the latest trends and scientific evidence, to ensure quality



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This program will provide you with a sense of confidence in your professional practice, which will help you grow both personally and professionally”

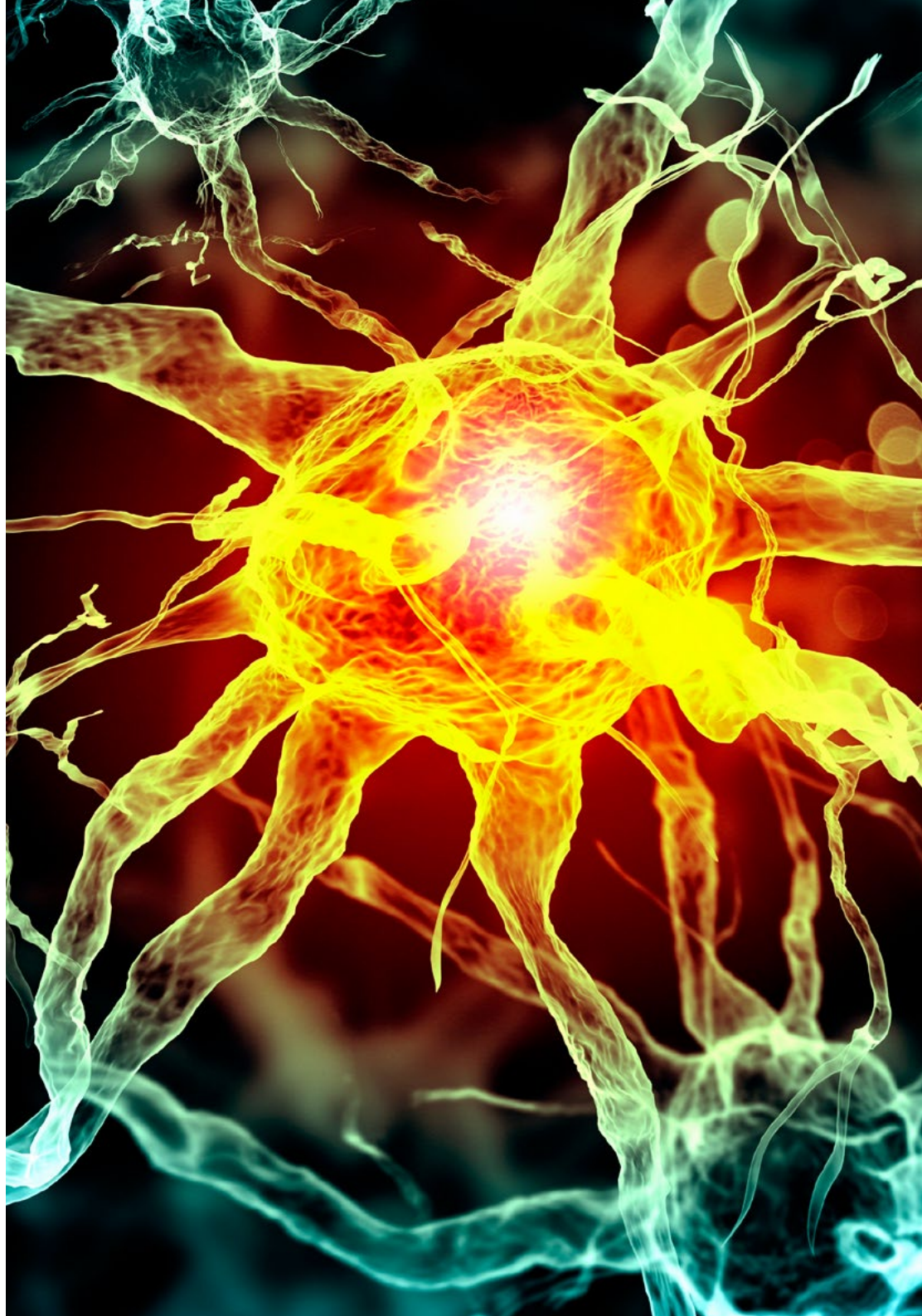


General Objective

- Update knowledge on Neurosciences in their different fields of application, whether from the clinical, educational or social area, in order to increase the quality of the professional's praxis in their performance
- To introduce students to the vast world of neurosciences from a practical perspective, so that they learn about the different disciplines involved in the study of the brain in relation to human behavior and its possibilities
- Learn the tools used in Neuroscience research and practice
- Enable the development of skills and abilities by encouraging continuous training and research



Take the step to get up to date on the latest developments in Applied





Specific Objectives

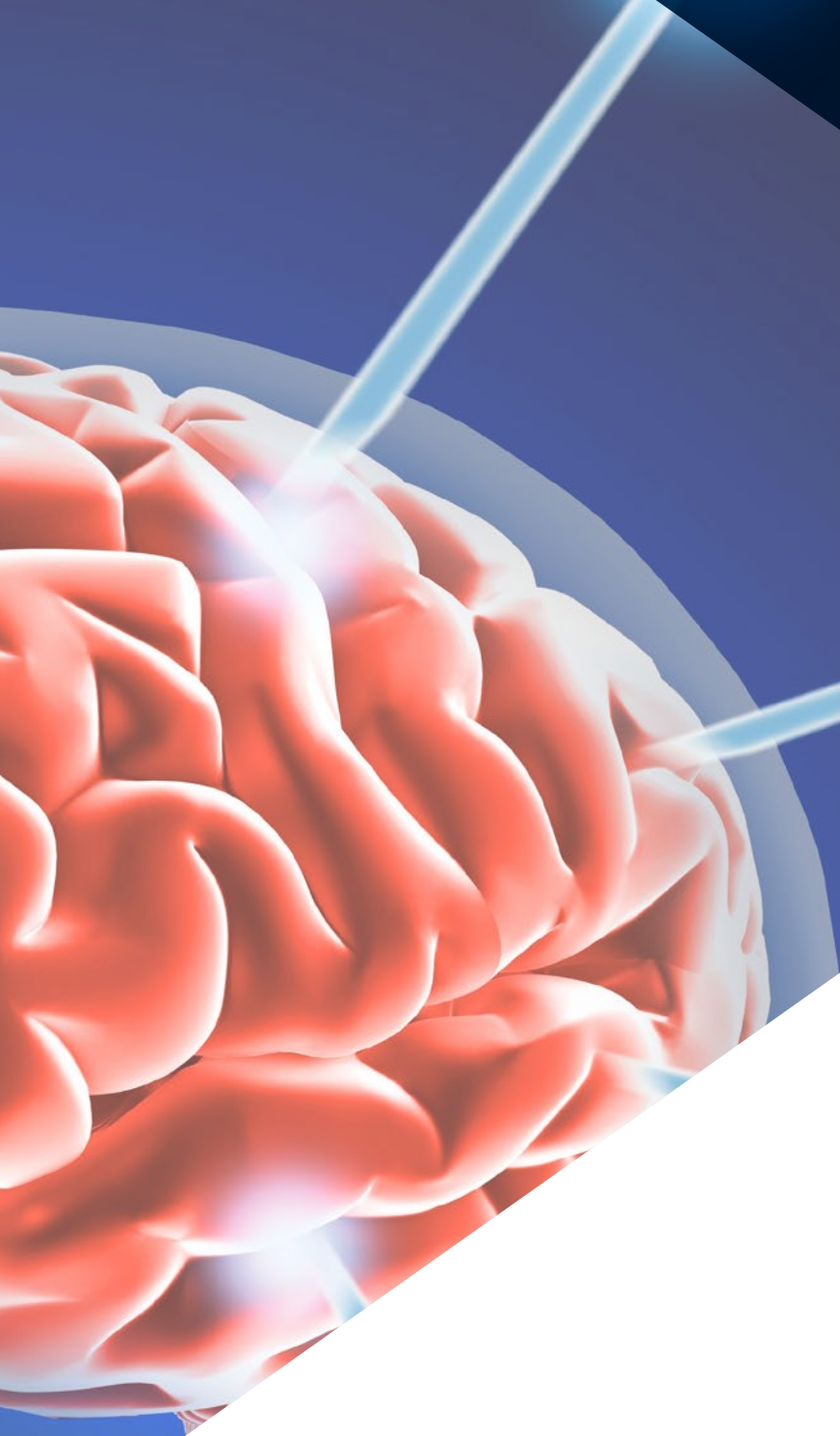
- Further study of Neurobranding
- Know the concept of Neuroarchitecture and how it works.
- Study Neurotechnology in depth
- Know the limits of Neuroscience research.
- Further study of the concept of Neuroethics
- Study in depth the relationship between the brain and taste: Neurogastronomy.
- Learn more about Neurocriminology and its implication in psychopathic personalities.

03

Course Management

The program includes in its teaching staff leading experts in Applied Neurosciences who bring to this education the experience of their work. Additionally, other recognized experts participate in the design and preparation, completing the program in an interdisciplinary manner.





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Learn the latest advances in procedures in the field of Applied Neurosciences, from revered professionals”

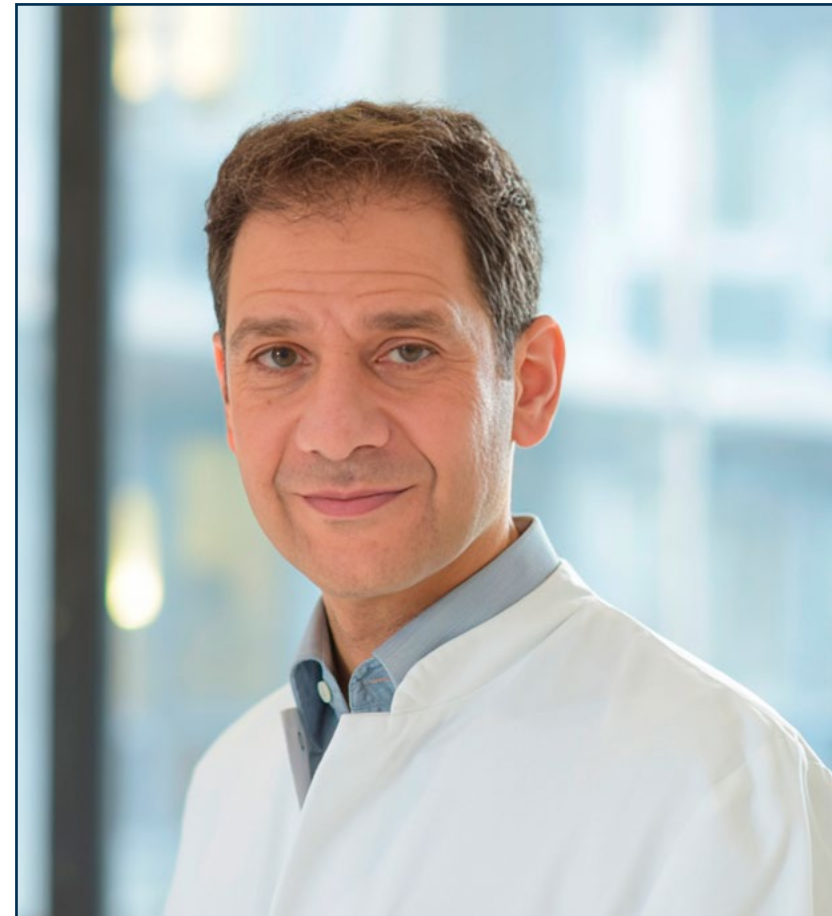
International Guest Director

Dr. Malek Bajbouj is a Psychiatrist and Neuroscientist, specialized in the areas of Global Health, Mental Health and Affective Sciences. He also has experience as a Sleep Physician and Social, Affective and Cognitive Neuroscientist. Together with an interdisciplinary team, his work has focused on research on stress, affect and emotions. In particular, to carry out these studies, some of his main work has focused on cell culture, imaging and brain stimulation, as well as humanitarian aid.

Most of his professional experience has been as Medical Director and Head of the Center for Affective Neuroscience at the Charité Universitätsmedizin Berlin. In addition, his main research focus in the field of Global Mental Health has been the development of tailored, low-threshold preventive and therapeutic interventions against stress and trauma-related disorders. To this end, he has made use of digital tools and clinical trials, conducting interventions focused on reverse-innovation electrophysiological and neuroimaging approaches to improve patient phenotyping.

Likewise, Dr. Malek Bajbouj's firm commitment to Mental Health worldwide has led him to develop a large part of his professional activity in countries in the Middle East, Far East and Ukraine. In this sense, he has participated in various international conferences such as the Ukrainian-German Conference on Mental Health, Psychosocial Support and Rehabilitation. He has also written more than 175 book chapters and has an extensive list of scientific publications in which he has investigated topics such as Emotional Neuroscience, Affective Disorders and Global Mental Health.

In fact, his contributions in Psychiatry and Neuroscience have been awarded several times. One of them was in 2014, when she was awarded the Else Kröner-Fresenius Prize, recognizing her outstanding scientific research. And it is that his tireless work to strengthen the mental health of people around the world has positioned him as one of the best professionals in his field.



Dr. Bajbouj, Malek

- Medical Director of the Center for Affective Neuroscience at Charité
- Universitätsmedizin, Berlin, Germany.
- Visiting Research Fellow at the Department of Psychiatry, Columbia University and the New York State Psychiatric Institute, New York, New York, USA
- Physician and Assistant Researcher at the Free University of Berlin
- Specialist in Sleep Medicine
- Specialist in Psychiatry and Psychotherapy
- Master of Business Administration from Steinbeis-Hochschule University
- Graduate in Medicine from the Johannes Gutenberg University
- Member of:
 - Research Group Languages of Emotion at the Freie Universität Berlin

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Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Dr. De la Serna, Juan Moisés

- ◆ Psychologist and Writer expert in Neurosciences
- ◆ Writer specializing in Psychology and Neurosciences
- ◆ Author of the Open Chair in Psychology and Neurosciences
- ◆ Scientific disseminator
- ◆ PhD in Psychology
- ◆ Degree in Psychology. University of Seville
- ◆ Master's Degree in Neurosciences and Behavioral Biology Pablo de Olavide University, Seville
- ◆ Expert in Teaching Methodology. La Salle University
- ◆ University Specialist in Clinical Hypnosis, Hypnotherapy. National University of Distance Education - UNED.
- ◆ Diploma in Social Graduate, Human Resources Management, Personnel Administration. University of Seville
- ◆ Expert in Project Management, Administration and Business Management. Federation of Services U.G.T
- ◆ Trainer of Trainers. Official College of Psychologists of Andalusia



Ms. Jiménez Romero, Yolanda

- ♦ Pedagogical advisor and external educational collaborator
- ♦ Academic Coordinator Online University Campus
- ♦ Territorial Director of the Extremeño-Castilla La Mancha Institute of High Abilities
- ♦ Creation of Educational Contents INTEF. Ministry of Education and Science
- ♦ Degree in Primary Education, English specialization
- ♦ Psychopedagogy. International University of Valencia
- ♦ Master's Degree in Neuropsychology of High Abilities
- ♦ Master's Degree in Emotional Intelligence. Specialist in NPL.

Professors

Ms. Pellicer Royo, Irene

- ♦ Expert in Emotional Education at the Jesuitas-Caspe School
- ♦ Master's Degree in Medical Sciences applied to Physical Activity and Sport by the University of Barcelona
- ♦ Master's Degree in Emotional Education and Well-being from the University of Barcelona
- ♦ Degree in Physical Activity and Sport Sciences from the University of Lérida

04

Structure and Content

The structure of the syllabus has been designed by a team of professionals knowledgeable about the implications of specialization in medicine for their performance in the educational center and in the community, aware of the relevance of current training and committed to quality teaching through new educational technologies.



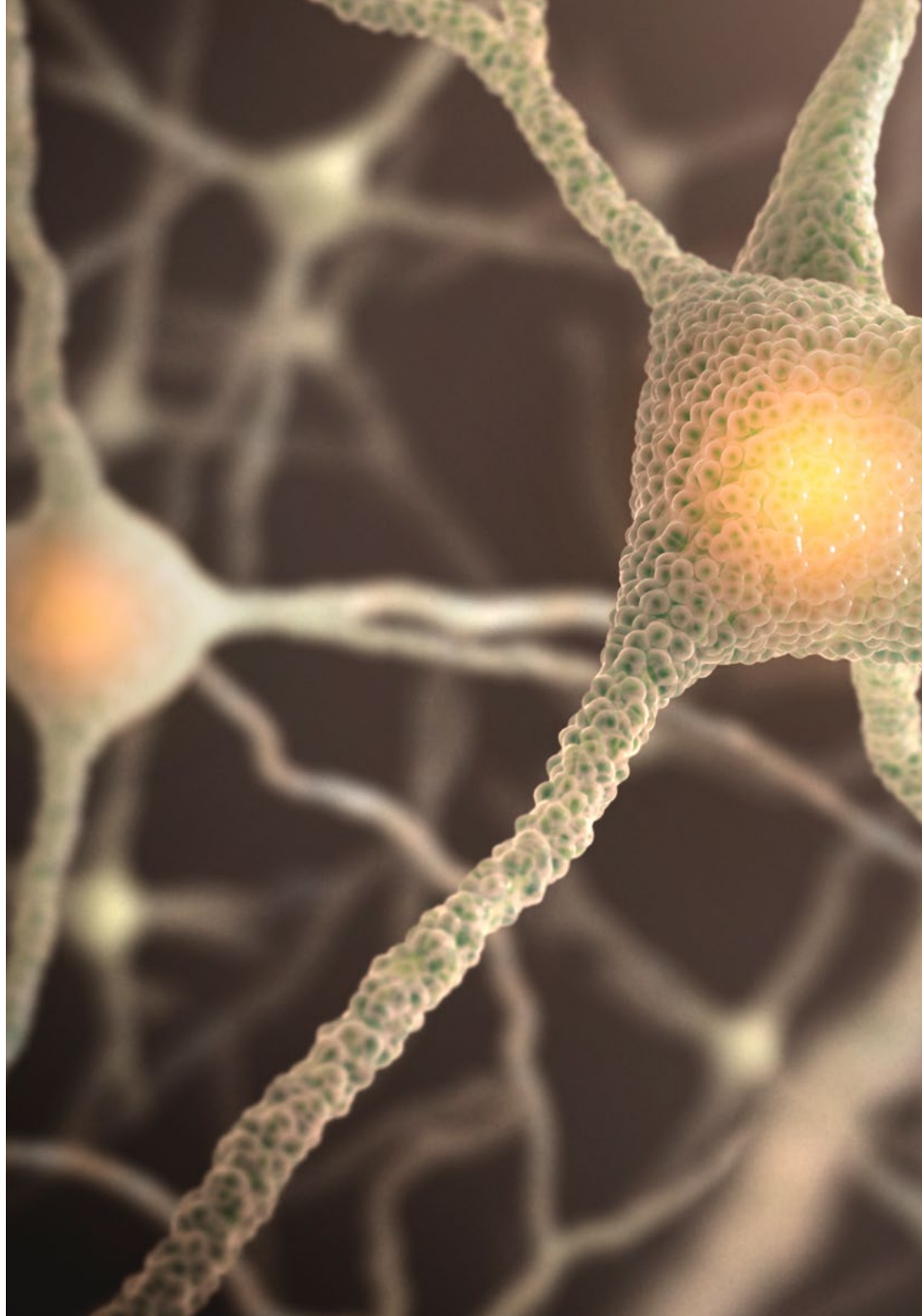


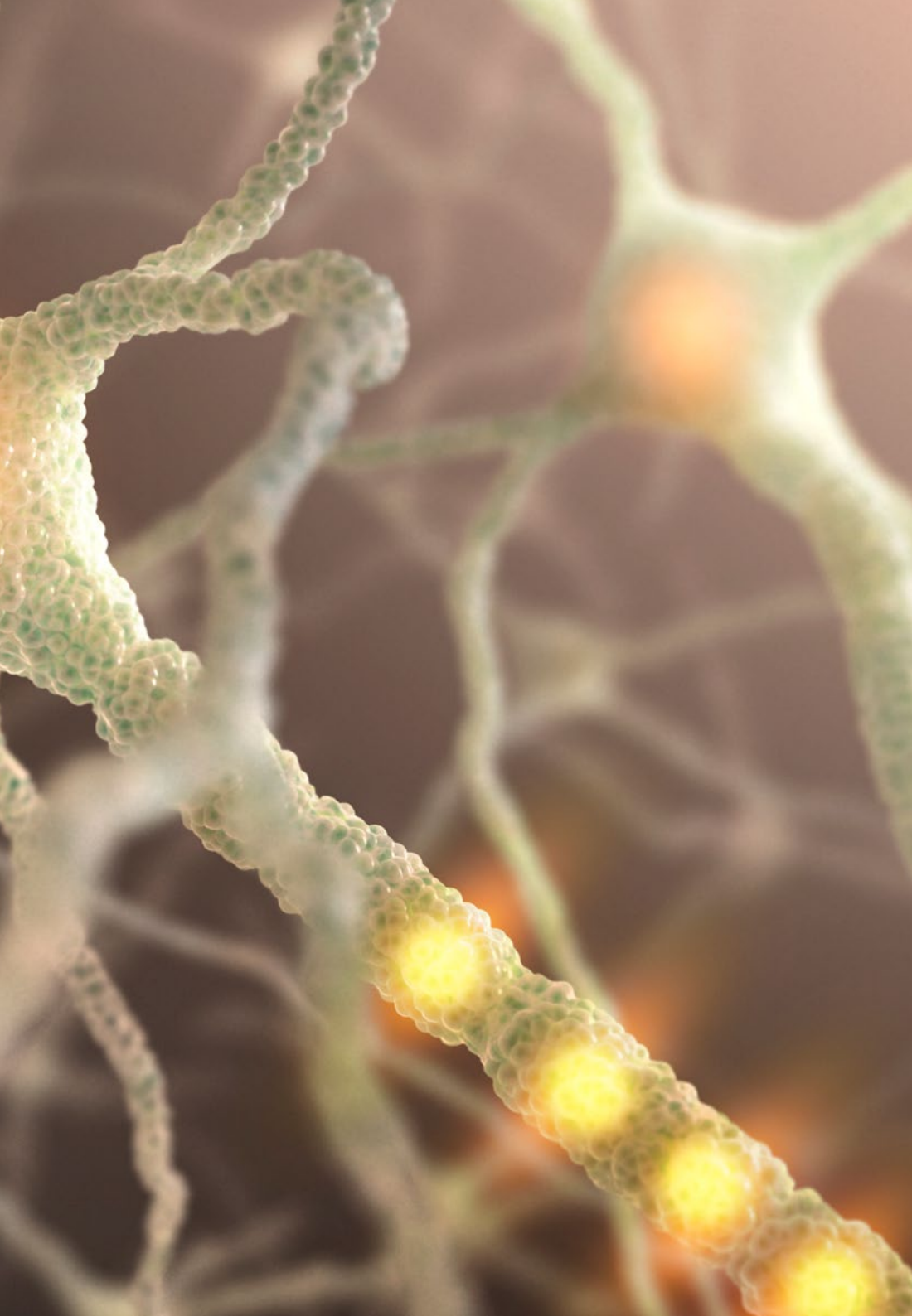
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This Postgraduate Certificate in Applied Neurosciences contains the most complete and up-to-date scientific program on the market”

Module 1. Other Branches of Applied Neurosciences

- 1.1. Neurobranding
 - 1.1.1. Personal Brand and Personal Style in the Brain
 - 1.1.2. Improving Brain Branding With Neuroscience Techniques
- 1.2. Neuroarchitecture
 - 1.2.1. Amazement and Awe in Neuroscience
 - 1.2.2. Functionality and Environmental Development in Neuroscience
- 1.3. Neurotechnology
 - 1.3.1. The Use of Technologies in Neuroscience
 - 1.3.2. Neuroimplants
- 1.4. Neuroethics
 - 1.4.1. The Limits of Research in Neuroscience
 - 1.4.2. The Dangers of Neuroscience
- 1.5. Neurospirituality
 - 1.5.1. The Neural Center of Faith
 - 1.5.2. The Neural Center of Spirituality
- 1.6. Neurofashion
 - 1.6.1. Fashion and the Brain
 - 1.6.2. Style and Taste at the Cerebral Level
- 1.7. Neurogastronomy
 - 1.7.1. Taste and the Brain
 - 1.7.2. Improving Cerebral Gastronomy
- 1.8. Psychoneuroimmunoendocrinology
 - 1.8.1. Emotions and the Brain
 - 1.8.2. Oxidative Stress and the Brain
- 1.9. Neurocriminology
 - 1.9.1. Psychopathic Personality
 - 1.9.2. Neural Disorganized Behaviors
- 1.10. Neuroculture
 - 1.10.1. Culture and the Brain
 - 1.10.2. Society and the Brain





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

05 Methodology

This academic program offers students a different way of learning. Our methodology follows a cyclical learning process: **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.



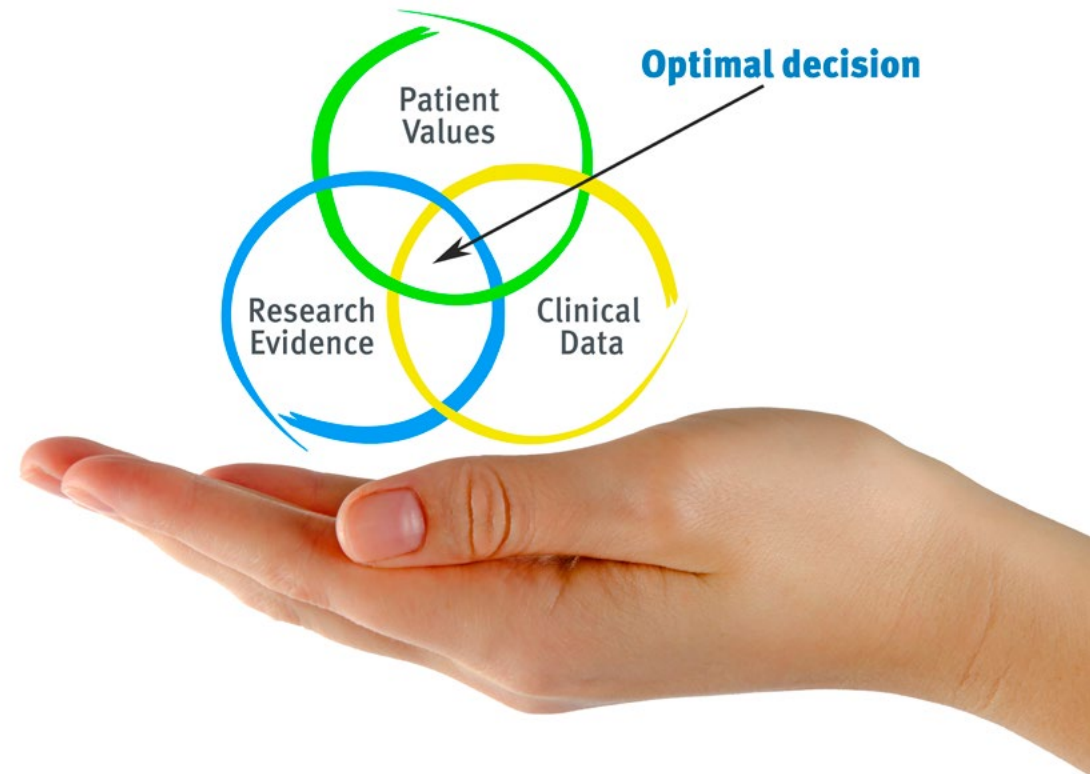
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Discover Relearning, a system that abandons conventional linear learning to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

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. 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 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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess 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

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.

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 prepared with unprecedented success in all clinical specialties regardless of surgical load. 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 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 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.



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

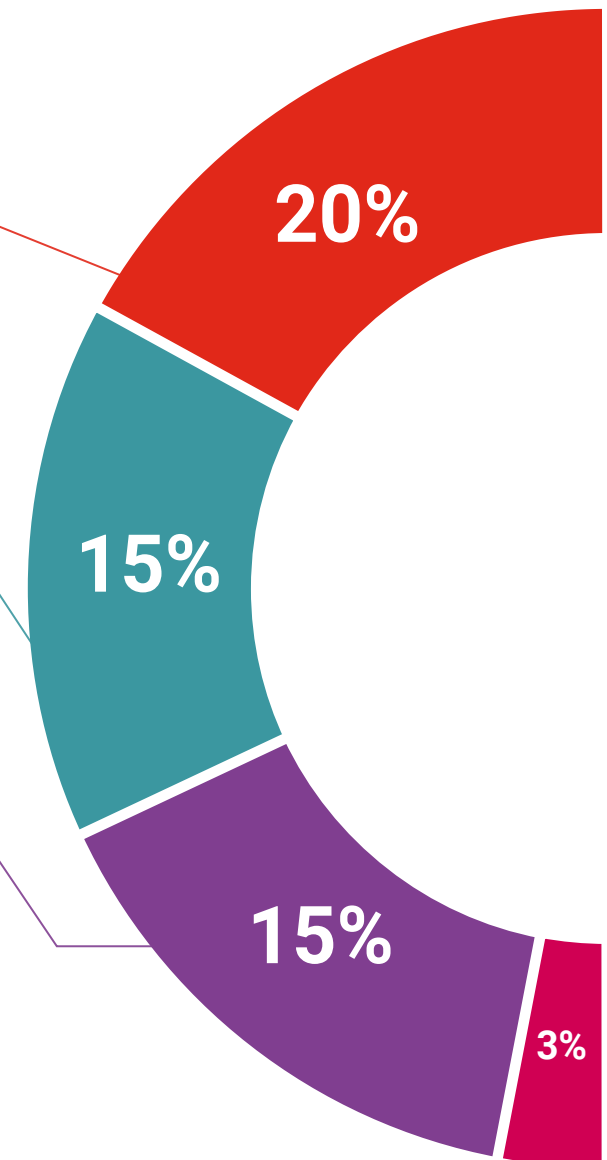
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 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 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 Applied Neurosciences guarantees, in addition to the most rigorous and up-to-date education, access to a 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*

This **Postgraduate Certificate in Applied Neurosciences** 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 Applied Neurosciences**

Official No. of Hours: **150 hours**.



*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.



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Applied Neurosciences

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Postgraduate Certificate

Applied Neurosciences