



## Postgraduate Certificate

# Biological Basis of Schizophrenia and Other Psychotic Disorders

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/psychology/postgraduate-certificate/biological-basis-schizophrenia-other-psychotic-disorders

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## tech 06 | Introduction

Mental health professionals will find in this Postgraduate Certificate a broad and renewed knowledge on the Biological Basis of Schizophrenia and other Psychotic Disorders. All of this is provided by a lecturer with extensive experience in the field of psychiatry and academic teaching at the highest level.

During the six weeks of this program, the psychologists will delve into the biological aspects of psychotic disorders, inflammatory changes and their influence on this pathology, risk factors and psychosis in the different stages of a person's life.

With the aim of offering an eminently practical and useful teaching for the day-to-day professional, this program contemplates the approach of recent scientific studies published in international and national journals on schizophrenia and other diseases that affect people's mental health.

An excellent opportunity for the professionals who wish to delve deeper into refractory psychotic disorders and the different methods and drugs used for their treatment. 100% online learning allows students to combine their personal responsibilities with the updating of knowledge, where they only need a device with an Internet connection to access the entire study plan from the first day. In this way, students can download the syllabus to be able to view it at any time, without fixed schedules or attendance by the students.

This Postgraduate Certificate in Biological Basis of Schizophrenia and Other Psychotic Disorders contains the most complete and up-to-date program on the market. The most important features include:

- The development of practical cases presented by experts in Psychology and Psychotic Disorders
- 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 self-assessment can be used 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 Postgraduate Certificate will give you a deeper understanding of the latest methods used in the treatment of refractory psychotic disorders"



The case studies provided by the teaching team of this program will allow you to apply the latest techniques and treatments with your patients"

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 professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

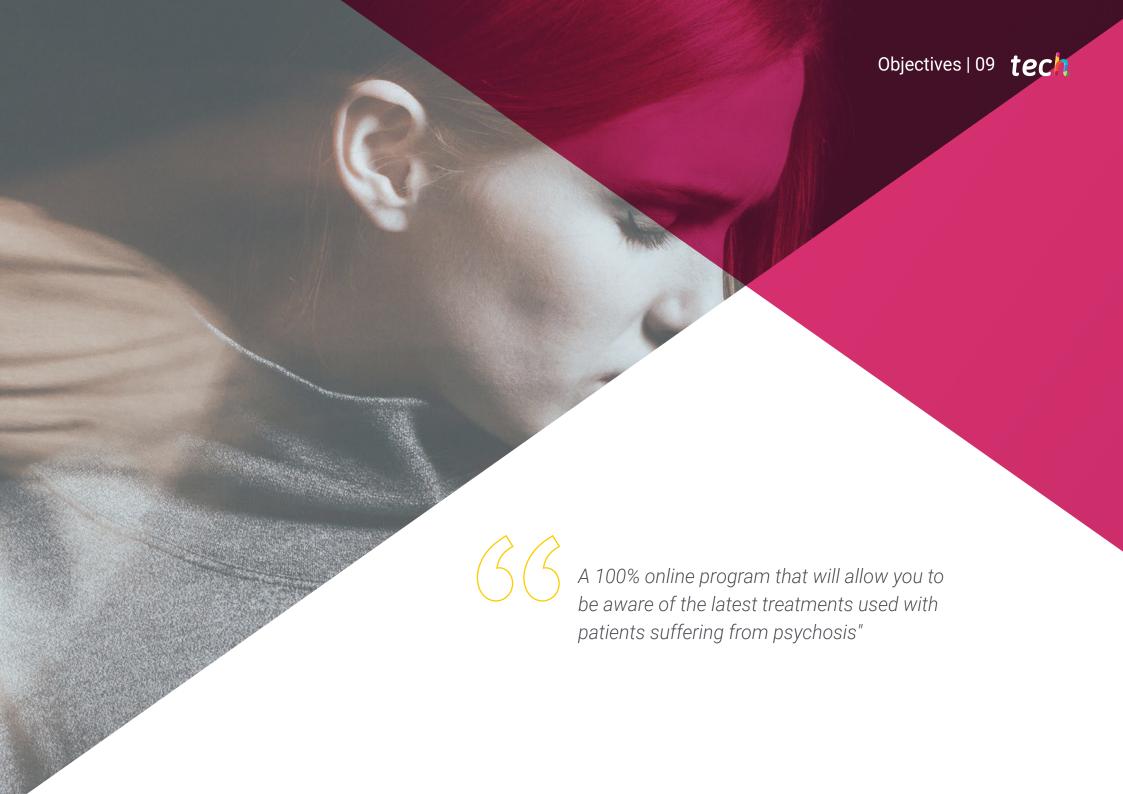
The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

Get closer to the latest lines of research on the neuroendocrinological basis of psychotic disorders.

Access the most recent developments in neuroimaging in young and adult patients.







## tech 10 | Objectives



## **General Objectives**

- Delve into the current classification of Psychotic Disorders in the different manuals: DSM-5 and ICD-11
- Consolidate the fundamental clinical aspects of Psychotic Disorders
- Gain knowledge about the evolution of Psychotic Disorders over time
- Identify the different types of Psychotic Disorders, their clinical characteristics and diagnosis
- Delve into the different diagnostic techniques and their new developments in Psychotic Disorders
- Perform a correct diagnostic approach to Psychotic Disorders
- Master the different pharmacological and psychotherapeutic approaches to Psychotic Disorders
- Detail and know the bio-psycho-social influence of Psychotic Disorders in children and adolescent, adult and elderly stages
- Learn about new approaches to intervention in the rehabilitation of schizophrenia and psychotic disorders
- Delve into new lines of scientific research in psychotic disorders





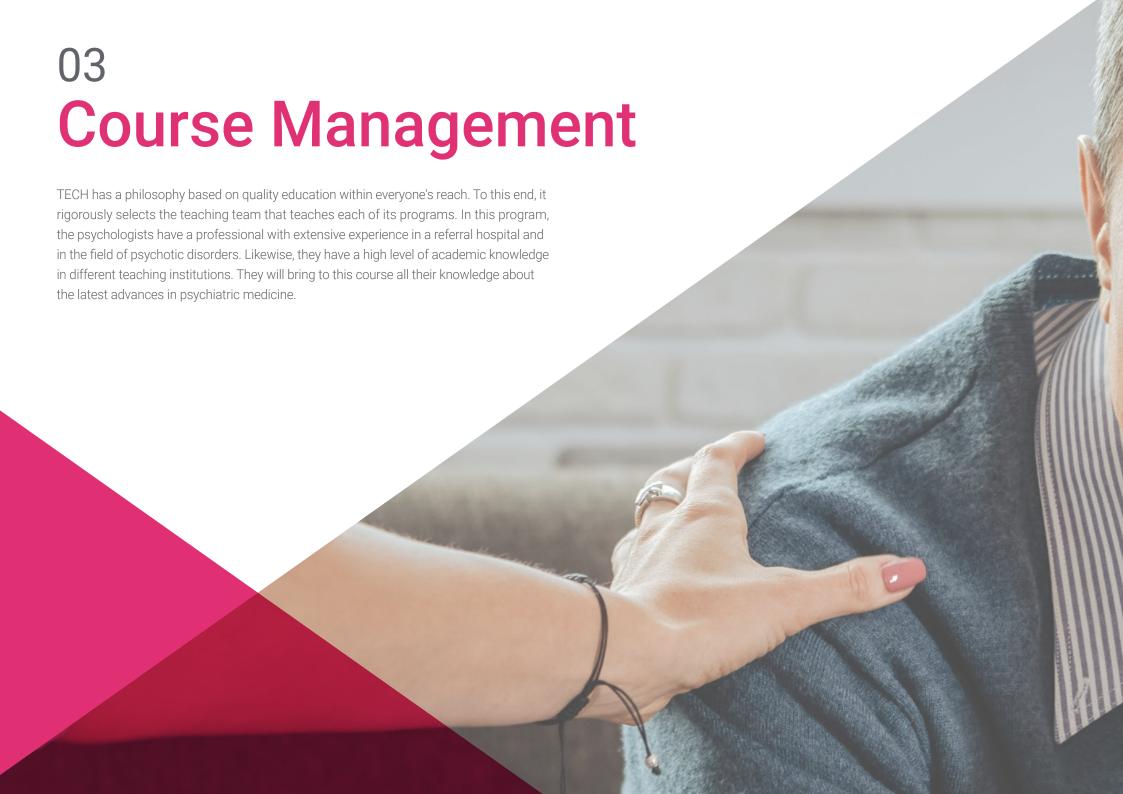
## **Specific Objectives**

- Understand the most relevant epidemiological aspects of psychotic disorders
- Analyze the biological factors that influence psychotic disorders
- Delve into the most relevant genetic, immunological and inflammatory aspects of from Psychotic Disorders



Access without fixed schedules to a syllabus that brings you recent research on etiopathogenesis of psychotic disorders"







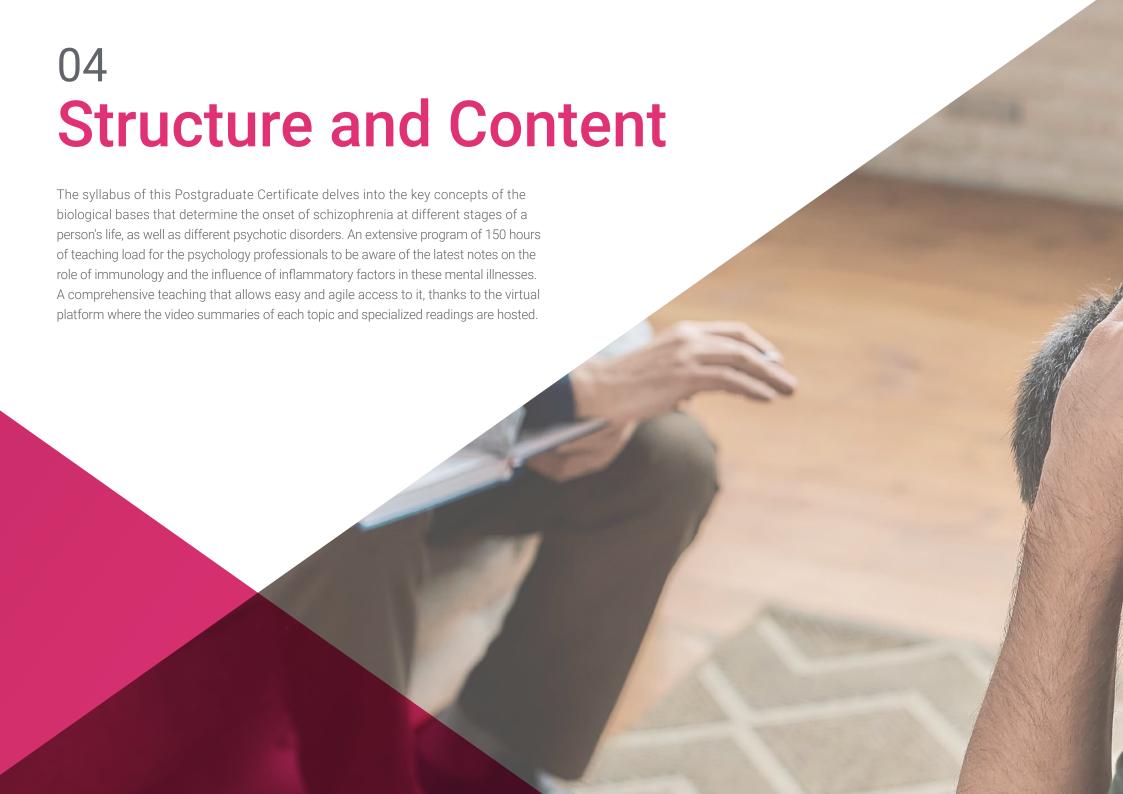
## Management



### Dr. Soto Laguna, Marta

- Psychiatrist Expert in Anxiety Disorders
- Psychiatrist at Enova Medical Cente
- Author and co-author of book chapters related to Psychiatry
- Co-author of articles for scientific journals
- Speaker at congresses and conferences in her specialty
- Master's Degree in Legal Psychiatry from the Complutense University of Madrid



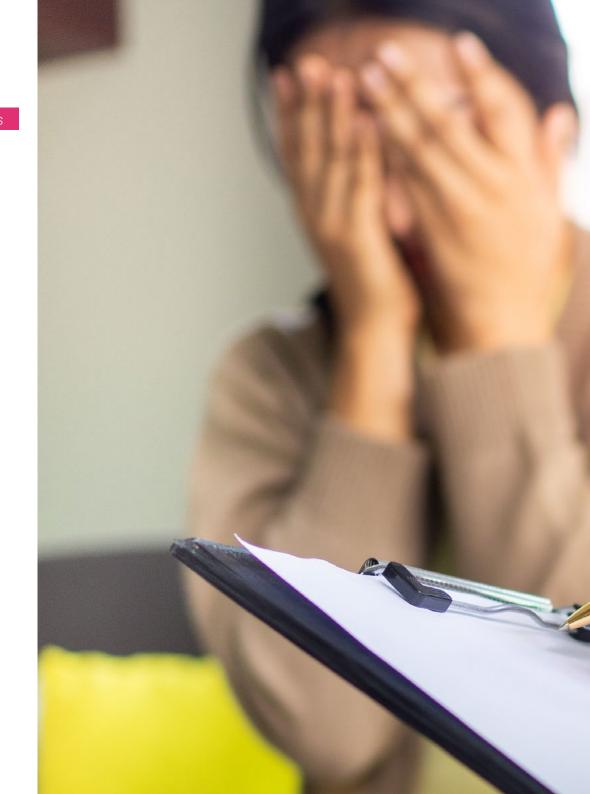




## tech 18 | Structure and Content

#### **Module 1.** Biological Principles of Schizophrenia and Other Psychotic Disorders

- 1.1. The Neurobiology of Psychosis
  - 1.1.1. The Brain and Psychosis
- 1.2. Genetic Aspects in Psychotic Disorders
- 1.3. Neuroendocrinological Bases in Psychotic Disorders
- 1.4. Role of Immunology in Psychotic Disorders
- 1.5. Influence of Inflammatory Factors in the Psychotic Spectrum
- 1.6. Neurobiological Aspects of Psychosis in the Different Stages of Life
  - 1.6.1. Children and Adolescents
  - 1.6.2. Adult
  - 1.6.3. Elderly
- 1.7. Etiopathogenesis of Psychotic Disorders and its Influence on the Evolution of the Disorder
  - 1.7.1. Risk Factors
  - 1.7.2. Protective Factors
- 1.8. Neuroimaging in Psychosis
- 1.9. Approach to Refractory Psychotic Disorders
- 1.10. Current Positioning of Psychotic Entities in the Biological Plane
  - 1.10.1. Scientific Developments









A program designed to update all your knowledge about psychosis in childhood, adolescence, adulthood and old age"





## tech 22 | Methodology

#### 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 the psychologist experiences 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 psychologist's professional practice.



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. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
- 2. Learning is solidly translated into practical skills that allow the psychologist 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.



## tech 24 | Methodology

### Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our 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, which is a real revolution compared to the simple study and analysis of cases.

The psychologist 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.



## Methodology | 25 tech

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).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. 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.

## tech 26 | Methodology

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.



#### **Latest Techniques and Procedures on Video**

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. 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.



## 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.







## tech 30 | Certificate

This Postgraduate Certificate in Biological Basis of Schizophrenia and Other Psychotic Disorders contains the most complete and up-to-date 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 Biological Basis of Schizophrenia and Other Psychotic Disorders

Official No of Hours: 150 h.



#### POSTGRADUATE CERTIFICATE

in

Biological Basis of Schizophrenia and Other

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

his qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each coun

que TECH Code: AFWORD23S techtitute.com/

<sup>\*</sup>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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