

# Postgraduate Diploma

## Genomic Medicine and Advances in Integrative Medicine



## Postgraduate Diploma Genomic Medicine and Advances in Integrative Medicine

Course Modality: **Online**

Duration: **6 months**

Certificate: **TECH Technological University**

Official N° of hours: **600 h.**

Website: [www.techtute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-genomic-medicine-advances-integrative-medicine](http://www.techtute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-genomic-medicine-advances-integrative-medicine)

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# 01

# Introduction

Advances related to Genomic Medicine have allowed clinical specialists to accurately and early detect the suffering of certain diseases based on the study of DNA mapping, giving them the opportunity to design diverse and highly effective therapeutic guidelines based on the characteristics of the individual. In addition, it is a specialty that has served as a basis for the advancement of integrative care in chronic patients, providing them with alternatives to conventional treatments and considerably improving their quality of life. It is precisely the novelties in both areas and their correlation that are the focus of this program. This is a modern, intensive and dynamic academic program that will allow graduates to update their practice in relation to gerontology and pathologies related to oxidative stress through the advances of Integrative and Genomic Medicine all 100% online.

“

*Would you like to know what's new in Genomic and Integrative Medicine in a 100% online program? Then you are looking at the perfect educational program. Don't let it pass you by”*



Integrative Medicine and Genomics have become a significant asset in the fight against chronic and/or genetic diseases, among which cancer, AIDS or those related to the coronary area stand out. Through the insertion of functional genes into the patient's cells after an exhaustive study of their DNA and the structure of their pathology, it has been possible to correct certain genetic defects that have contributed to a considerable improvement in the health of millions of people, providing them with a better guarantee of life and even contributing to their cure. It is, therefore, a technique that, although still in the experimental phase, promises a promising future for the treatment of diseases that cause millions of deaths worldwide every year.

And so that the specialist in this field can implement the most avant-garde techniques in their practice, TECH and a clinical team of the highest level have designed the program in Genomic Medicine and Advances in Integrative Medicine, an academic program of 600 hours through which you can learn in detail the latest developments in this field in a 100% online way. It will work intensively with the most cutting-edge information related to nutritional genomics, biomedicine and pharmacogenomics, focusing also on the factors that influence neural therapy and phytotherapy. You will also be able to delve into the advances in Gerontology and pathologies related to oxidative stress, focusing on the most innovative and effective measures for active and healthy aging.

Therefore, for 6 months, you will have the opportunity to perfect your medical skills through a program that is up to the best medical assistance, using a variety of material, in addition to the syllabus: detailed explanatory videos, research articles, complementary readings, self-knowledge questionnaires, news, dynamic summaries of each unit. Everything will be available in a state-of-the-art Virtual Campus, which can be accessed from any device with an internet connection. In this way, TECH offers a tailor-made academic program that adapts to the needs and demands of its graduates in a guaranteed way.

This **Postgraduate Diploma in Genomic Medicine and Advances in Integrative Medicine** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical cases presented by experts in Integrative Health
- ♦ 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 work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Enrollment in this Postgraduate Diploma includes 600 hours of the best theoretical, practical and additional content so that you can get the most out of your academic experience"*

“

*The best program on the current educational market to update you on the latest developments in biomedicine through its generalities and clinical advances”*

The program's teaching staff includes professionals from sector who contribute their work experience to this 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 learn in real situations.

This program's design focuses on Problem-Based Learning, through which the professional must try to solve the different professional practice situations that arise during the academic program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*The Postgraduate Diploma includes a specific section focused on the advances in Integrative Nutrition: anti-inflammatory and ketogenic diets, diet therapy for the rebalancing of the microbiota.*

*You will work on the basis of the most cutting-edge information in the medical field, so that you can implement the best and most innovative clinical strategies in your practice.*



02

# Objectives

Continuous research in the field of medicine has contributed to the advancement of specialties such as genomics and integrative medicine, which has resulted in more targeted and effective clinical care. In view of this, TECH has developed the program with the aim of providing physicians with the most complete and cutting-edge information on the subject, which will help them to update their practice and to implement the most innovative medical techniques and strategies for the clinical management of patients with chronic diseases.



DNA



“

*Would you like to delve into the latest findings on cognitive impairment and Alzheimer's through gerontology? Then bet on a program like this one to give you everything you need"*



## General objectives

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- Provide the graduate with the most complete and cutting-edge information related to Genomic and Integrative Medicine in the current clinical context
- Provide the specialist with all the tools they need to update their practice in a comfortable and exhaustive way, but, above all, in a guaranteed way



*Through real case studies, you will work on perfecting the design of integrative diets for nutritional rebalancing in an alternative way"*





## Specific objectives

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### Module 1. Genomic Medicine

- ♦ Analyze the efficacy of Genomic Medicine in clinical practice, pattern recognition, and evaluation of metabolic networks
- ♦ Interpret literature related to the module
- ♦ Describe the importance of isolating patterns of meaning within complex signals and the complexity of analyzing large datasets
- ♦ Develop customized, clinically meaningful omics-based solutions, with a focus on lifestyle and wellness-centered solutions

### Module 2. Advances in Integrative Medicine Techniques

- ♦ Analyze the relationship between the peripheral and central nervous system with the digestive tract and the immune system
- ♦ Review access to complementary medicine therapies in hospital settings
- ♦ Analyze Neural therapy and Ozone Therapy
- ♦ Learn the clinical advances in integrative nutrition such as the Anti-Inflammatory and Ketogenic Diets

### Module 3. Gerontology and Pathologies Related to Oxidative Stress

- ♦ Address advances in chronological ageing research and measures for healthy aging
- ♦ Analyze changes in the neurological diseases that have the greatest impact on this population, such as Alzheimer's or Parkinson's disease





03

# Course Management

TECH always tries to design the best academic programs, which include, of course, the participation of the highest-level faculty. An example of this is this Postgraduate Diploma, which will be managed and guided by a team of professionals versed in different areas of Genomic and Integrative Medicine who have a wide and extensive experience in the sector. In addition, they are characterized by their human quality, as well as by their clinical potential, aspects that will undoubtedly contribute to the graduate obtaining the best results from the program.



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*You will have the support of a teaching team versed in different areas of Integrative Medicine and Genomics, so that you can obtain different visions of the current situation of this profession"*



## Management



### **Dr. Menassa, Alejandra**

- President of the Spanish Society of Integrative Health and Medicine (SESMI)
- Head of CMI's Mental Health Unit
- Psychoanalyst and Professor at Grupo Cero School of Psychoanalysis
- Member of SEMI (Spanish Society of Internal Medicine).
- Expert in ozone therapy in Internal Medicine from the University of Havana.
- Master's Degree in Evaluation of bodily and psychosocial damage by the European Institute



### **Dr. Rodríguez Picazo, Pedro**

- Nurse
- Director of Medintegra
- Partner of Biomédica Sc.
- Educational partner of the G-SE international team
- Head of sanitary area C.A.I. Alicante City Council
- Director of the Therapeutic Yoga postgraduate course at the CEU Cardenal Herrera
- Board member of the Spanish Association of Integrative Health and Medicine
- Member of the Spanish Association of Community Nursing
- Member of the International Association of Yoga Therapist
- Member of the Expert Team of the European Foundation of MTC
- Master's Degree in Mental Health, Catholic University Valencia
- Master's Degree in Nutrition, University of the Balearic Islands
- Expert in Immunonutrition, Catholic University of Valencia
- Specialist in Natural Medicine (Osteopathy, Kinesiology and Acupuncture), Faculty of Medicine, University of Murcia
- Diploma in Acupuncture by ADEATA and FEDINE

## Professors

### Dr. García Gutiérrez, Rosario

- ♦ Director of the Clinical Department at Grupo Cero
- ♦ Physician Specialist in Rheumatology and Family Medicine
- ♦ Psychoanalyst of the Grupo Cero School of Psychoanalysis
- ♦ Member of SESMI

### Dr. Rigau, Josepa

- ♦ President and Trainer at the Spanish Association of Microimmunotherapy
- ♦ Doctor of Medicine and Surgery, Rovira i Virgili University of Tarragona
- ♦ Specialist and Master's Degree in Biological and Antiaging Medicine from the University of Alcalá
- ♦ Master's Degree in Pharmacogenetics, Pharmacogenomics and Personalized Medicine from the University of Barcelona
- ♦ Master's Degree in Environmental Medicine

### Dr. Salgado, Carmen

- ♦ University expert in Naturopathy
- ♦ Master's Degree in Orthomolecular Nutrition
- ♦ Bachelor's Degree in Traditional Chinese Medicine
- ♦ Degree in Biochemistry and Molecular Biology

### Dr. Serrano Gandía, Juan

- ♦ Degree in Pharmacy
- ♦ Specialist in Biochemistry and Molecular Biology
- ♦ Teacher on the Master's Degree in Integrative Supplements at the ESI
- ♦ Graduate in Biological Sciences
- ♦ OSMI Executive Committee Member

### Dr. Blázquez, Elisa

- ♦ Nutritionist
- ♦ Nutritional coach
- ♦ Head of the Nutritional and Dietary Department, Clínica Medicina Health

### Dr. Lajo Morales, Teresa

- ♦ Head of the department of endocrinology of the Moncloa University Hospital
- ♦ Physician specializing in endocrinology and nutrition
- ♦ Professor of Endocrinology at the European University
- ♦ Master's Degree in Health Services Management and Administration
- ♦ Master's Degree in Cognitive-Behavioral Therapy

### Dr. Díaz Díez, Camino

- ♦ Specialist in Family and Community Medicine
- ♦ Medical coordinator for Blue Healthcare
- ♦ Member of the Spanish Society of General Medicine (SEMERGEN)
- ♦ Member of the Spanish Society of Integrative Health and Medicine (SESMI)
- ♦ Master's Degree in evidence-based Supplements and Nutrition
- ♦ Master's Degree in Environmental Medicine
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

### Dr. Begara, Mar

- ♦ Intensivist at the Madrid-Montepíncipe-Torrelodones Hospital
- ♦ Specialist Pediatrician at La Paz Hospital
- ♦ Specialist in Intensive Pediatric and Neonatal Care at La Paz Hospital
- ♦ Specialist in bioregulatory medicine
- ♦ Specialist in Orthomolecular Nutrition
- ♦ Master's Degree in Homeopathic Therapeutics
- ♦ Degree in Medicine and Surgery from the UAM

**Dr. González Iñiguez, Mónica**

- ♦ Founder of the Atenea Association of Natural and Energetic Therapies
- ♦ Nurse
- ♦ Holistic Therapist
- ♦ Acupuncturist from the College of Nursing of Alicante
- ♦ Bioneuroemotion Assistant

**Dr. Faulin, Ayla**

- ♦ Head of the Department of Nursing in Integrative Medicine Clinic - CMI
- ♦ Diploma in Nursing at the University of La Rioja
- ♦ Bachelor's Degree in Natural Therapies, specializing in Naturopathy at Royal University Center "Escorial - María Cristina"
- ♦ Expert in Manual Therapies and Body-Mind Relaxation Techniques

**Dr. Cuevas, Manuela**

- ♦ Master's Degree in Biopathology and Preventive Gynecology by the UAB
- ♦ Postgraduate Diploma in Homeopathy
- ♦ International degree in anthroposophic medicine
- ♦ Degree in Medicine and Surgery from the UAB

**Dr. Maroto, María Jose**

- ♦ External collaborator from CMI - Integrative Medicine Clinic for the area of integrative aesthetic medicine
- ♦ Diploma in Homeopathy from the Spanish Center of Homeopathy, Boiron
- ♦ Diploma in Dermocosmetics from the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from the University of Oviedo

**Dr. Cruz, Héctor**

- ♦ Neurologist and Homeopathic doctor
- ♦ Specialist in Neurology from the Lozano Blesa Clinical Hospital (Zaragoza)
- ♦ Postgraduate degree in Naturopathic Medicine from the University of Zaragoza
- ♦ Master's Degree by the Medical and Homeopathic Academy of Barcelona
- ♦ Postgraduate in Naturopathic Medicine
- ♦ Degree in Medicine from the University of Zaragoza

**Dr. García, Daniel**

- ♦ Doctor in Health Sciences
- ♦ Nurse
- ♦ Physiotherapist
- ♦ Master's Degree in neuro-motor control
- ♦ Mind-body techniques such as meditation, Chi Kung and Tai chi

**Ms. Sánchez, Sonia**

- ♦ Expert in Clinical Psychology
- ♦ Training in EMDR (Eye Movement Desensitization and Reprocessing) European Association
- ♦ Training in Gestalt therapy
- ♦ Diploma in Social Education
- ♦ Psychology Graduate

**Dr. Rojas, Pilar**

- ♦ Physician Specialist in Rheumatology and Family Medicine
- ♦ Psychoanalyst of the Grupo Cero School of Psychoanalysis
- ♦ Director of the Clinical Department at Grupo Cero
- ♦ Member of SESMI

**Dr. Serra, Mireia**

- ♦ PhD in Clinical Psychology Medicine from the URL
- ♦ Degree in Philosophy and Letters from the UAB
- ♦ Music therapist by URL

**Dr. Matute, Ruth**

- ♦ Biochemistry
- ♦ Molecular Biology

**Ms. De la Flor, Irina**

- ♦ Professional Coach
- ♦ Management of the research project on the development of consciousness at the University of Alcalá
- ♦ Degree in Law and Business Administration

**Dr. Vargas Sánchez, María José**

- ♦ Medical specialist in Anesthesiology, Resuscitation, and Pain Therapeutics
- ♦ ACTP Coach by ICF at EEC (European School of Coaching) and collaborating member
- ♦ Mentor/coach in Cardiac Coherence, HeartMath Institute
- ♦ Vice President of the Spanish Reiki Federation (Reiki Master and Professional Reiki Therapist)
- ♦ University Diploma in Nursing

**Dr. Romero, Carolina**

- ♦ Director of the Mind-Body Therapy Center of the Canary Islands
- ♦ In charge of the Mind-Body Department in the Integrative Health program at San Roque Hospitals

- ♦ Art therapist, teacher of Samatha -Vipassana and therapeutic Yoga
- ♦ Trained in Tibetan Yoga, Dream Yoga and the Bardo
- ♦ Member of the Spanish Society of Integrative Health and Medicine (SESMI)
- ♦ Postgraduate degree in Neuropsychology and Education
- ♦ Postgraduate degree in Family Intervention and Mediation

**Dr. Díaz, Gualberto**

- ♦ Expert in Integrative Medicine with focus on homeopathy and oncology support
- ♦ Specialist MIR in Family and Community Medicine
- ♦ Diploma in Pediatrics for family physicians
- ♦ Degree in Medicine and Surgery

**Dr. Aldana Martínez, Natalia Sofia**

- ♦ Surgeon
- ♦ Specialist in Alternative Therapies - Traditional Chinese Medicine
- ♦ Researcher in MTCI
- ♦ Research teacher in MTCI, acupuncture and homeopathy
- ♦ Member of the MTCI Américas network
- ♦ General editor for BVS MTCI Américas
- ♦ Master's Degree in Alternative Medicine focused on Homeopathy

**Dr. González, Belén**

- ♦ Family physician and nutritionist

**Dr. Fernandez, Valle**

- ♦ Degree in Medicine
- ♦ Master's Degree in Integrative and Humanist Medicine
- ♦ Specialist in Family and Community Medicine, Southeast Healthcare Unit, Gregorio Marañón University Hospital



**Ms. González Martín, María del Carmen**

- ♦ Specialist in Clinical Infectious Diseases
- ♦ Vice-President of the Cosmetic Doctor Association of Granada
- ♦ Founding member and Board of Directors of SENMO (Spanish Society of Nutrition and Orthomolecular Medicine)
- ♦ Member of the Committee of Experts in Ozone Therapy of the ISCO3 International Society of Ozone Therapy
- ♦ Member of the Spanish Society of Integrative Medicine (SESMI)
- ♦ Master's Degree in Orthomolecular Medicine
- ♦ Master's Degree in Active Cell Nutrition by the French Association of Orthomolecular Medicine (AFMO)
- ♦ Master's Degree in Antiaging and Longevity Medicine
- ♦ University expert in Ozone Therapy

**Dr. Vinyes, David**

- ♦ Neurologist
- ♦ Director of the hybrid Master's Degree in Medical Neural Therapy and Dentistry
- ♦ Medical director of the Institute of Neural Therapy and Regulatory Medicine
- ♦ Director of the Master's Degree in Neural Therapy and Neuro-Focal Dentistry (University of Barcelona UB - Sant Joan de Déu Campus)
- ♦ Master's Degree in Neurosciences at the UAB
- ♦ Master's Degree in Anthropology of Medicine at the University of Tarragona
- ♦ Degree in Medicine and Surgery from the Autonomous University of Barcelona

**Dr. Pellicer, Cristina**

- ♦ Medical trainer in thoracic surgery
- ♦ Master's Degree in Clinical Oncology from the University of the Basque Country
- ♦ Master's Degree in Clinic Psychoneuroimmunology from the University of Salamanca and Psychoneuroimmunology in Europe

**Dr. Crespo de la Rosa, Juan Carlos**

- ♦ Doctor of Medicine and Surgery from the University of Sevilla
- ♦ Professor of the Department of Pharmacology, Pediatrics and Radiology at the University of Sevilla
- ♦ Master's Degree in Acupuncture from the University of Sevilla
- ♦ Master's Degree in Medical Biology, University of Seville
- ♦ Master's Degree in Homeopathy, University of Seville
- ♦ Master's Degree in Medical Anti-Aging, University of Seville and University of Alcalá de Henares
- ♦ Graduate in Medicine and Surgery from the Sevilla University

**Dr. Álvaro Morales, María del Pilar**

- ♦ Specialist Pediatrician
- ♦ Trained in Kinesiology
- ♦ Master's Degree in Homeopathy from the University of Las Palmas of Gran Canaria
- ♦ Degree in Medicine and Surgery from the Autonomous University of Las Palmas of Gran Canaria

**Ms. Rodríguez, Mónica**

- ♦ Attending pediatrician at the Quirón Hospital in Marbella
- ♦ Department of pediatrics

**Dr. García, Olga**

- ◆ Doctor at the Anderson Oncology Clinic in Madrid
- ◆ Specialist in Family and Community Medicine
- ◆ Training in Homeopathy and Acupuncture

**Dr. Lafaja, Juani**

- ◆ Doctor
- ◆ Specialist in Gynecology and Obstetrics
- ◆ Master's Degree in Sexology
- ◆ Expert in Active Cell Nutrition
- ◆ Studies in Environmental Medicine
- ◆ Expert in Premenstrual Syndrome/Premenstrual Dysphoric Disorder and sexual dysfunctions with organic causes

**Dr. Enríquez, Alexandra**

- ◆ Attending Physician at the Gynecology and Obstetrics Department of the Quirónsalud Hospital in Madrid
- ◆ Gynecologist/Obstetrician
- ◆ Specialist in integrative vision of pregnancy and childbirth

**Dr. Vásquez, Carlos**

- ◆ Surgeon
- ◆ Master's Degree in Alternative Medicine focused on Traditional Chinese Medicine and Acupuncture
- ◆ Researcher and professor in MTCl, ethnomedicine, phytotherapy and diet



**Dr. Sabater Tobella, Juan**

- ◆ President of Eugenic
- ◆ Director of the first center in Spain that focuses on researching and diagnosing metabolic diseases: Institute of Clinical Biochemistry-Barcelona
- ◆ Biochemistry Professor at the Faculty of Medicine of the Autonomous University of Barcelona
- ◆ Permanent Member of the Royal Academy of Medicine of Catalonia
- ◆ Corresponding Member of the Royal National Academy of Medicine, of the Institute of Spain
- ◆ President of honor of the Royal Academy of Pharmacies of Catalonia
- ◆ European Specialist in Laboratory Medicine (EC4)
- ◆ Member of the Pharmacogenomics Research Network

**Dr. Aldana Martínez, Sonia Cristina**

- ◆ Geologist
- ◆ D. in Earth and Environmental Science and Technology from the University of Cagliari
- ◆ Master's Degree of Science in Earth Sciences: Applied and Environmental Geology at the University of Salamanca
- ◆ Degree in Geology at the University of Santander

# 04

## Structure and Content

The content design and structuring of this Postgraduate Diploma has been carried out by the teaching team, which, following TECH's guidelines of quality, novelty and completeness, have created a curriculum of the highest level, perfect for specialists to catch up with the latest developments in Genomic and Integrative Medicine in a 100% online way. In addition, they have included dozens of hours of additional material, with which you will not only have the opportunity to contextualize the information in the syllabus, but you will be able to expand each section of it in a personalized way, based on your needs and requirements.







“

*The use of the Relearning methodology in the development of the content of this program will allow you to update your knowledge in a natural and progressive way, without even realizing it!"*



## Module 1. Genomic Medicine

- 1.1. Introduction to Genomic Medicine
  - 1.1.1. Advanced Genomic Medicine
- 1.2. Polymorphisms. Epigenetics
- 1.3. Pharmacogenomics
- 1.4. Nutritional Genomics
  - 1.4.1. Nutrigenomics
  - 1.4.2. Nutrigenetics. Gluten, Lactose and Fructose Intolerance
  - 1.4.3. Functional food
  - 1.4.4. Personalized Diet Therapy
- 1.5. Biomedicine. Biochemistry Overview

## Module 2. Advances in Integrative Medicine Techniques

- 2.1. Platelet Factors
- 2.2. Neural Therapy
- 2.3. Microimmunotherapy
- 2.4. Mycology and Immunomodulation
- 2.5. Ozone Therapy Clinical Evidence
  - 2.5.1. Biochemical Principles and Ozone Mechanism of Action
- 2.6. Orthomolecular Supplementation, Phytotherapy, and Interactions
  - 2.6.1. Phytotherapy
- 2.7. Advances in Integrative Nutrition
  - 2.7.1. Anti-Inflammatory Diet
  - 2.7.2. Ketogenic Diet
  - 2.7.3. Fasting
  - 2.7.4. Diet Therapy to Rebalance Microbiota



### Module 3. Gerontology and Pathologies related to Oxidative Stress

- 3.1. Advances in Chronological Age Research
- 3.2. Measures for Active and Healthy Aging
- 3.3. Neurology
  - 3.3.1. Alzheimer's Disease and Cognitive Deterioration
    - 3.3.1.1. Parkinson's Disease
    - 3.3.1.2. Sensory Dysfunction
  - 3.3.2. Biomechanics
    - 3.3.2.1. Muscles as a Metabolic Organ

“Enroll now in this program and do not miss the opportunity to be part of an international academic community such as the one TECH has created with its programs”





# 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.





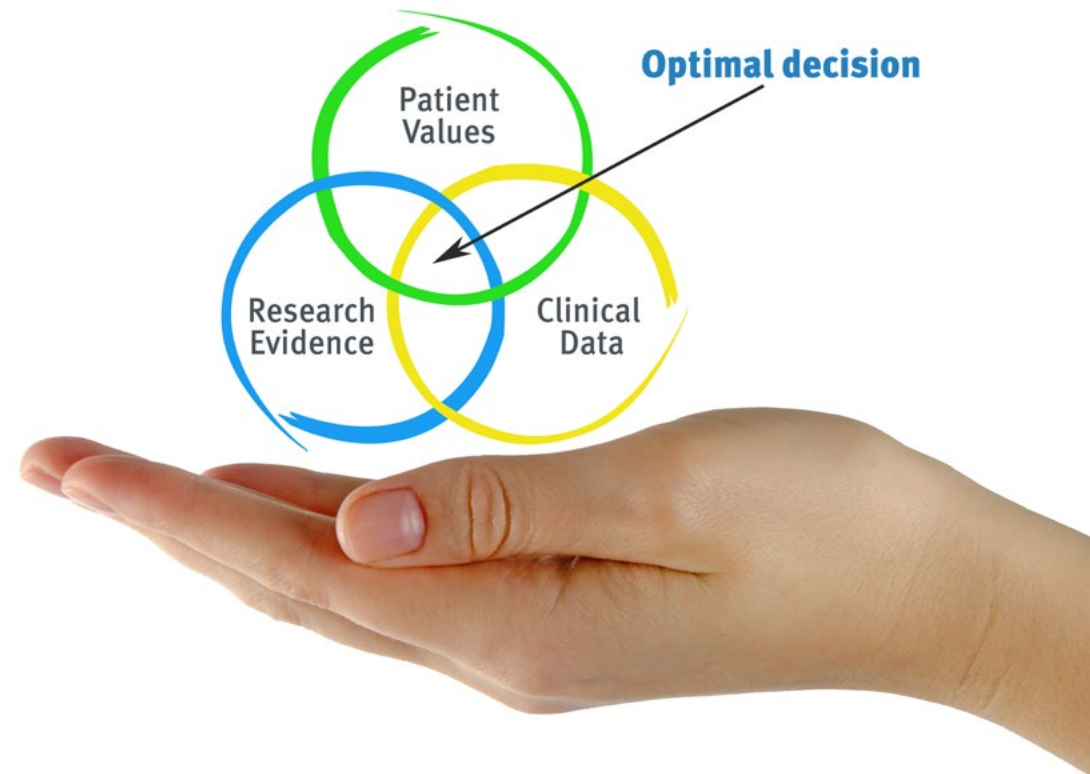
“

*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. 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. Gervas, 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 achievements:

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

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.

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



#### 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 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 Diploma in Genomic Medicine and Advances in Integrative Medicine guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.



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*Successfully complete this program and receive your university degree without travel or laborious paperwork”*



This **Postgraduate Diploma in Genomic Medicine and Advances in Integrative Medicine** 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 Diploma** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Genomic Medicine and Advances in Integrative Medicine**

Official N° of hours: **600 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.

health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



**Postgraduate Diploma**  
Genomic Medicine  
and Advances in  
Integrative Medicine

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of hours: 600 h.

# Postgraduate Diploma

## Genomic Medicine and Advances in Integrative Medicine

