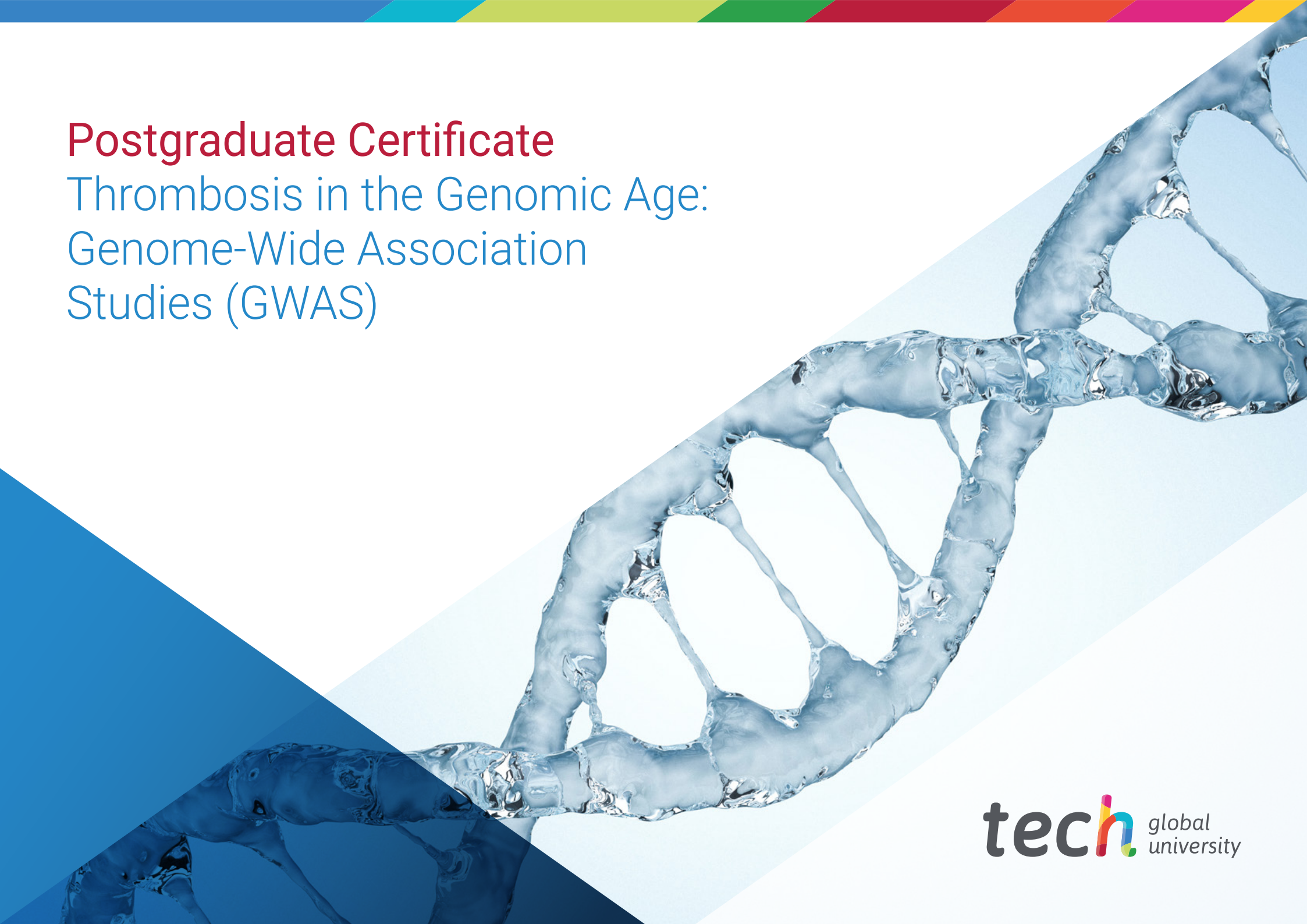
Postgraduate Certificate

Thrombosis in the Genomic Age: Genome-Wide Association Studies (GWAS)



tech global university

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Postgraduate Certificate

Thrombosis in the Genomic Age: Genome-Wide Association Studies (GWAS)

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

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/thrombosis-genomic-era-genome-wide-association-studies-gwas**

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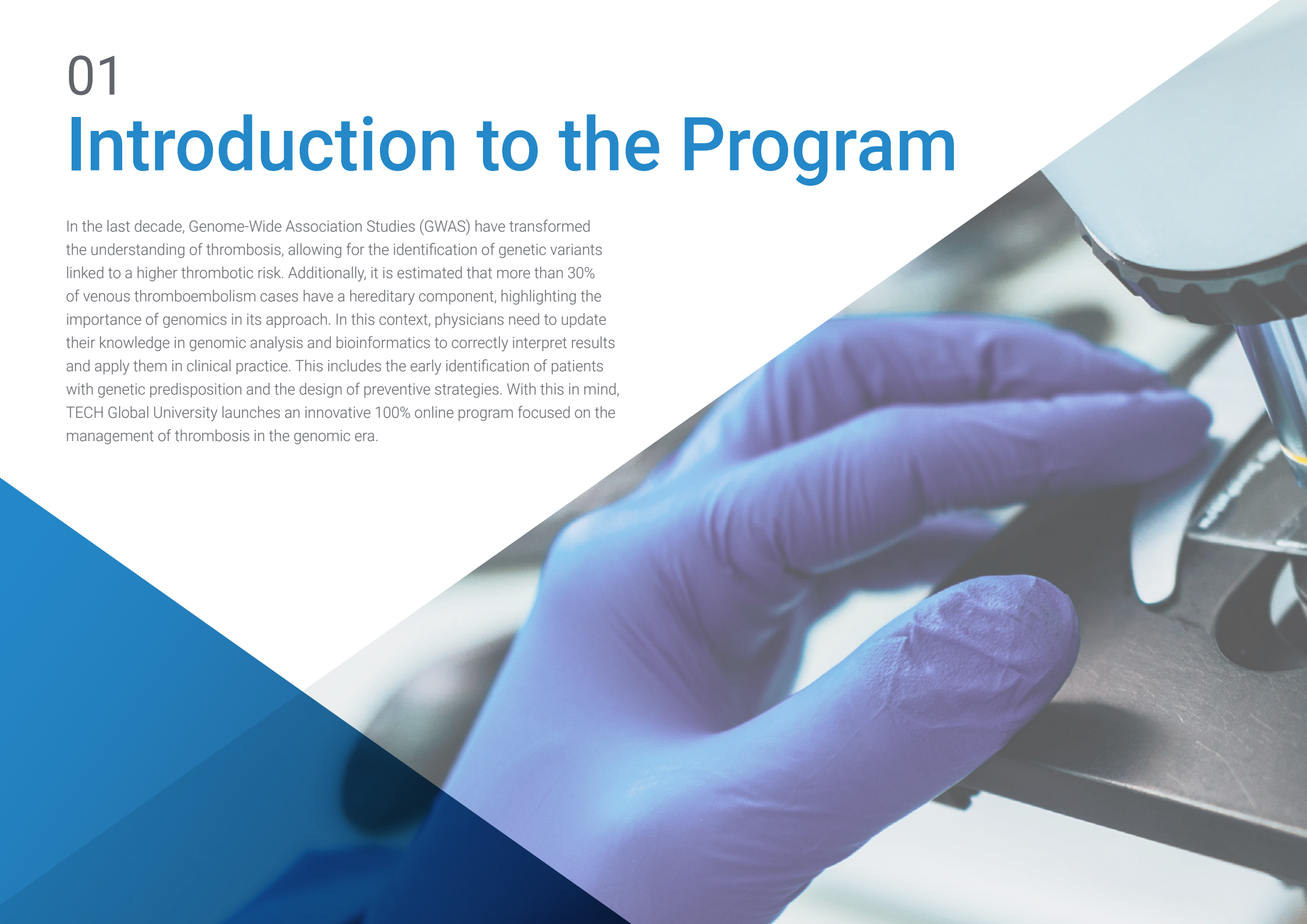
01

Introduction to the Program

In the last decade, Genome-Wide Association Studies (GWAS) have transformed the understanding of thrombosis, allowing for the identification of genetic variants linked to a higher thrombotic risk. Additionally, it is estimated that more than 30% of venous thromboembolism cases have a hereditary component, highlighting the importance of genomics in its approach. In this context, physicians need to update their knowledge in genomic analysis and bioinformatics to correctly interpret results and apply them in clinical practice. This includes the early identification of patients with genetic predisposition and the design of preventive strategies. With this in mind, TECH Global University launches an innovative 100% online program focused on the management of thrombosis in the genomic era.



Through this entirely online Postgraduate Certificate, you will design highly personalized preventive and therapeutic strategies based on genetic profiles"

According to a study by the World Health Organization, Venous Thromboembolism affects 10 million individuals annually. In response, Genome-Wide Association Studies (GWAS) have identified more than 50 genetic variants associated with thrombotic risk. These findings allow for better individualized prediction and the design of personalized preventive and therapeutic strategies. This highlights the importance of healthcare professionals continuously updating their knowledge in genomics and bioinformatics. Only by doing so can they optimize the early identification of patients with genetic predisposition.

In this context, TECH presents an innovative Postgraduate Certificate in Thrombosis in the Genomic Era: Genome-Wide Association Studies (GWAS). Designed by renowned specialists, the academic curriculum will delve into the identification of genetic variants associated with thrombotic risk. The syllabus will also address the analysis of genomic data using state-of-the-art bioinformatics tools. Furthermore, the educational materials will cover the integration of clinical, environmental, and genetic factors for individualized risk stratification. In this way, graduates will develop advanced skills to apply genomics in clinical practice and optimize the wellbeing of patients predisposed to thrombosis.

Additionally, this university qualification is delivered through the disruptive Relearning methodology. This system involves the strategic repetition of key concepts, promoting a gradual and natural knowledge update. As such, healthcare professionals will no longer need to spend long hours studying. Moreover, they will only need an electronic device with internet access to engage in the Virtual Campus. On this platform, they will have access to various multimedia resources such as detailed videos, case studies, or specialized readings. Additionally, a prestigious International Guest Director will offer an in-depth Masterclass.

This **Postgraduate Certificate in Thrombosis in the Genomic Era: Genome-Wide Association Studies (GWAS)** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of practical case studies presented by experts in Medicine
- 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 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

A prestigious International Guest Director will deliver an exclusive Masterclass on the latest Genome-Wide Association Studies (GWAS)"

You will integrate scientific evidence into clinical decision-making based on genetics"

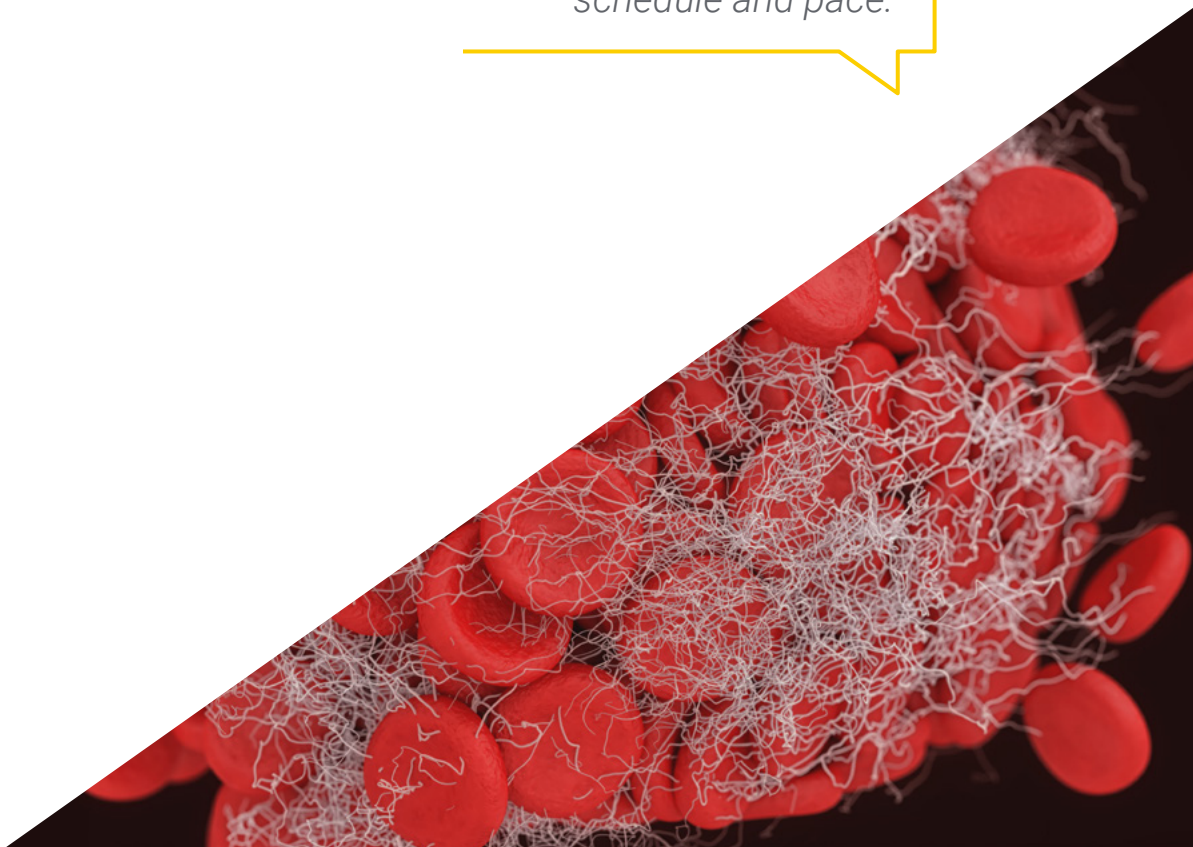
You will be able to interpret large volumes of genomic data to assess individual risks and personalize prevention strategies.

You will benefit from TECH's disruptive Relearning methodology, which will allow you to set your own study schedule and pace.

The teaching staff includes professionals belonging to the field of medicine, who contribute their work experience to this program, as well as renowned specialists from reference societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will enable professionals to engage in situated and contextualized learning—creating a simulated environment designed to provide immersive study, preparing them for real-world situations.

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



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.

Study at the largest online university in the world and ensure your professional success. The future begins at TECH"

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.

Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.

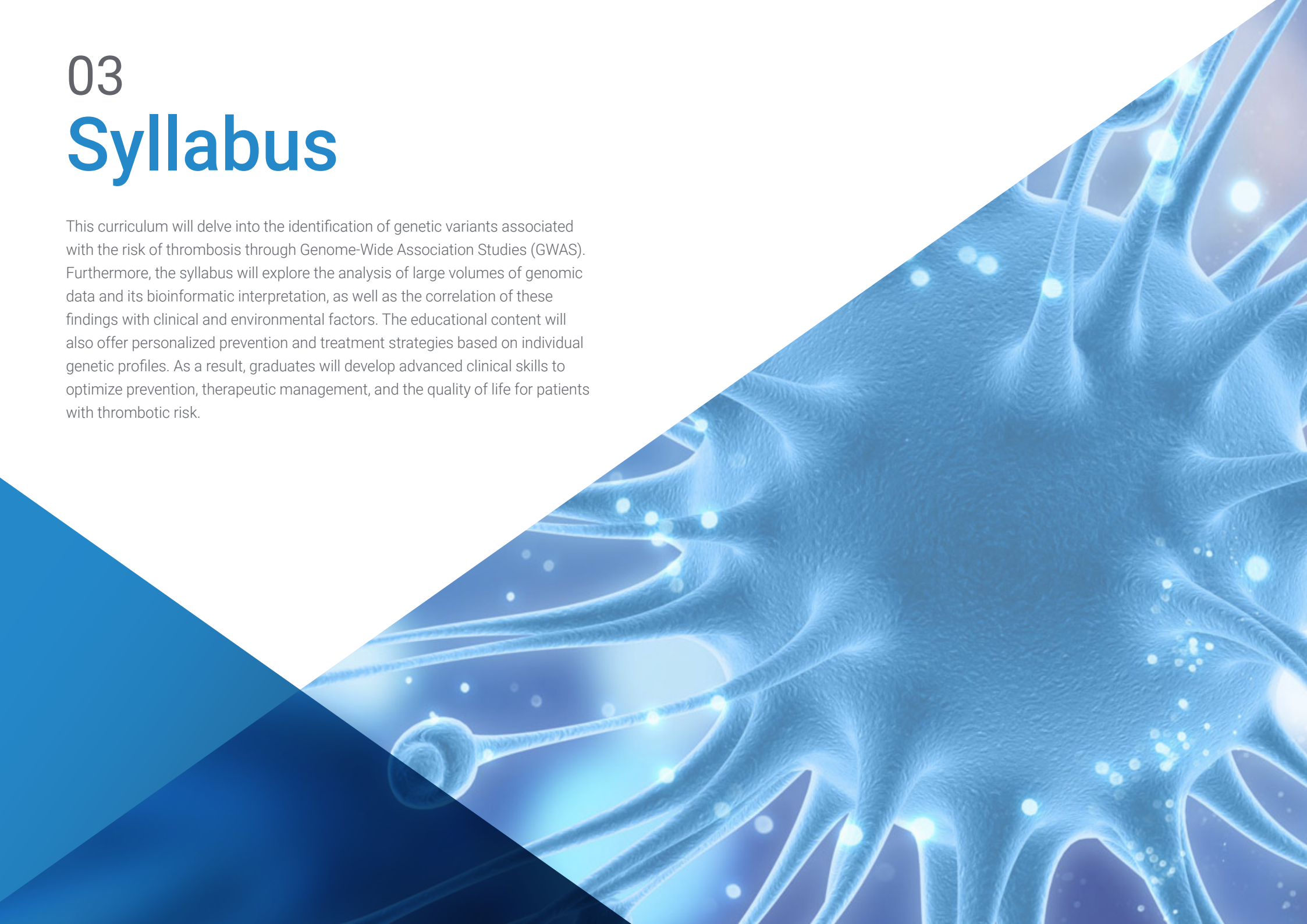
The top-rated university by its students

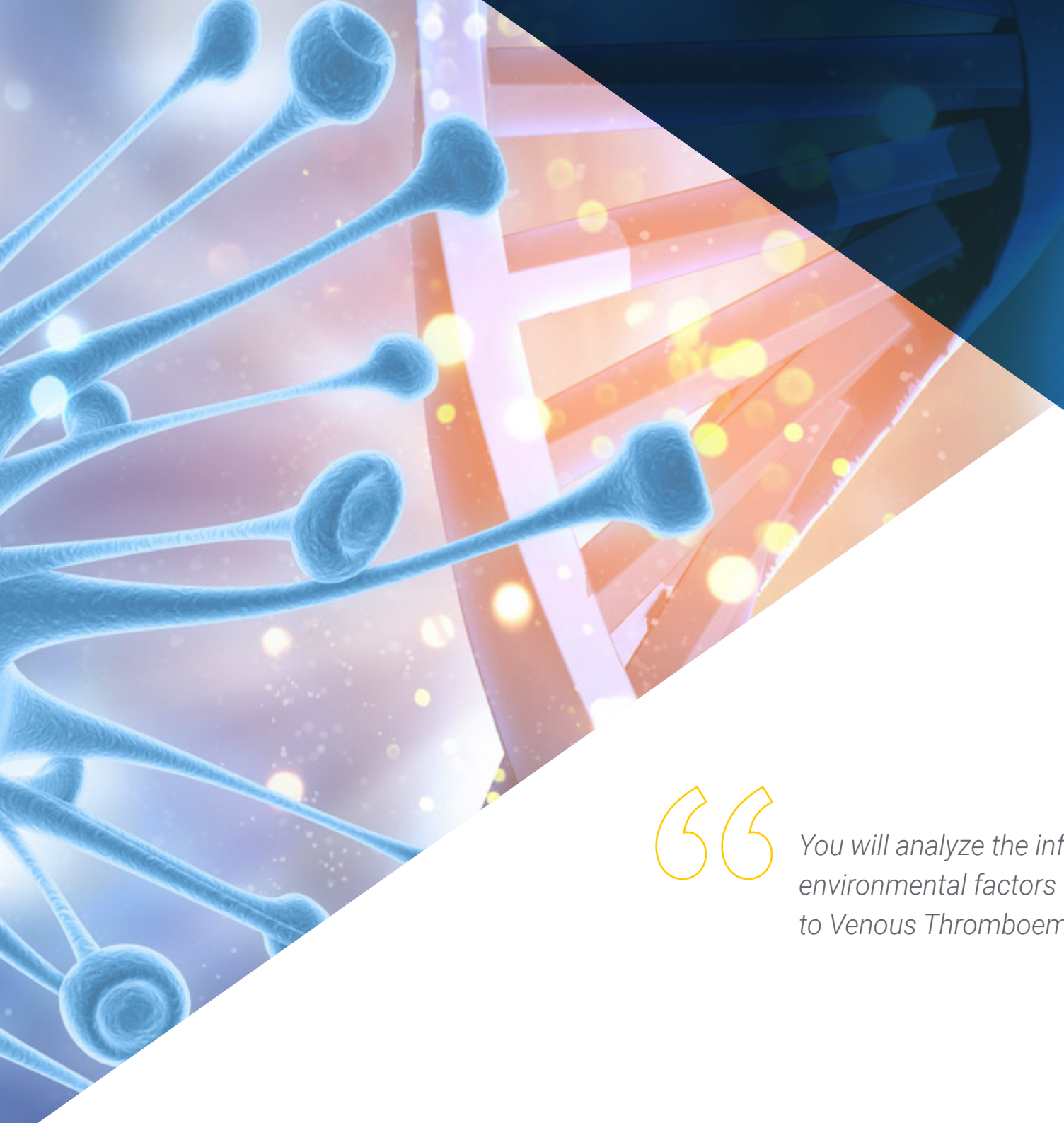
Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.

03

Syllabus

This curriculum will delve into the identification of genetic variants associated with the risk of thrombosis through Genome-Wide Association Studies (GWAS). Furthermore, the syllabus will explore the analysis of large volumes of genomic data and its bioinformatic interpretation, as well as the correlation of these findings with clinical and environmental factors. The educational content will also offer personalized prevention and treatment strategies based on individual genetic profiles. As a result, graduates will develop advanced clinical skills to optimize prevention, therapeutic management, and the quality of life for patients with thrombotic risk.





You will analyze the influence of genetic and environmental factors on the predisposition to Venous Thromboembolism"

Module 1. Thrombosis in the Genomic Age I: Genome-Wide Association Studies (GWAS)

1.1. Introduction to Genetics
- 1.1.1. Introduction and Basic Concepts
  - 1.1.1.1. Genes
  - 1.1.1.2. Polymorphisms, Alleles, and *Loci*
  - 1.1.1.3. Haplotypes
  - 1.1.1.4. Concept of Linkage Disequilibrium
  - 1.1.1.5. Genotype
  - 1.1.1.6. Phenotype
- 1.1.2. Genetics for Studying Complex Diseases
  - 1.1.2.1. Complex Diseases and Rare Diseases
  - 1.1.2.2. Candidate Gene Studies vs. Genome-Wide Association Studies
- 1.1.3. Types of Polymorphism, Nomenclature, and Genome Versions
- 1.1.4. Genotyping Chips

1.2. Introduction to Genome-Wide Association Studies (GWAS)
- 1.2.1. What is a GWAS?
- 1.2.2. GWAS Study Design
  - 1.2.2.1. Heritability
  - 1.2.2.2. Case-Control vs. Quantitative Trait Analysis
  - 1.2.2.3. Sample Size and Statistical Power
  - 1.2.2.4. Population Substructure Bias
  - 1.2.2.5. Phenotypes: Normalization and Outliers
- 1.2.3. Genetic Association Testing
- 1.2.4. Useful Software for GWAS

1.3. Genetic Imputation
- 1.3.1. Concept of Imputation
- 1.3.2. Reference Panels
  - 1.3.2.1. HapMap Project
  - 1.3.2.2. *1000 Genomes* Project
  - 1.3.2.3. *Haplotype Reference Consortium* Project
  - 1.3.2.4. Other Population-Specific Projects

1.4. Quality Control and Filters
- 1.4.1. Pre-Imputation Filters
  - 1.4.1.1. Minor Allele Frequency
  - 1.4.1.2. Hardy-Weinberg Equilibrium
  - 1.4.1.3. Genotyping Errors (Call Rate)
  - 1.4.1.4. Excess Heterozygosity
  - 1.4.1.5. Mendelian Errors
  - 1.4.1.6. Sex Errors
  - 1.4.1.7. Chain Direction
  - 1.4.1.8. Family Relationships
- 1.4.2. Post-Imputation Filters
  - 1.4.2.1. Monomorphic Variants, Frequencies
  - 1.4.2.2. Imputation Quality
- 1.4.3. Post-GWAS Filters
- 1.4.4. Quality Control Software

1.5. GWAS Result Analysis and Interpretation
- 1.5.1. Manhattan Plot
- 1.5.2. Multiple Testing Correction and Genome-Wide Significant Results
- 1.5.3. Concept of Genetic Locus

1.6. Meta-Analysis and Replication
- 1.6.1. Typical GWAS Workflow
- 1.6.2. Meta-Analysis
  - 1.6.2.1. Meta-Analysis Methods
  - 1.6.2.2. Required Information for Meta-Analyses
  - 1.6.2.3. Meta-Analysis Result
  - 1.6.2.4. Examples of Meta-Analysis Software
- 1.6.3. The Most Relevant Consortia

1.7. Post GWAS Analysis
- 1.7.1. Fine-Mapping and Regional Plot
- 1.7.2. Conditional Analysis
- 1.7.3. Selection of the Best Candidate Gene (From Locus to Gene)
  - 1.7.3.1. Exploiting Expression Information
  - 1.7.3.2. Gene Set Enrichment Analysis (GSEA)
  - 1.7.3.3. Study of Potential Functional Effects of Polymorphisms

1.8. The GWAS Era
- 1.8.1. GWAS Data Repositories
- 1.8.2. Balance of Results from the GWAS Age

1.9. Use of GWAS Results
- 1.9.1. Risk Estimation Models
- 1.9.2. Mendelian Randomization Studies

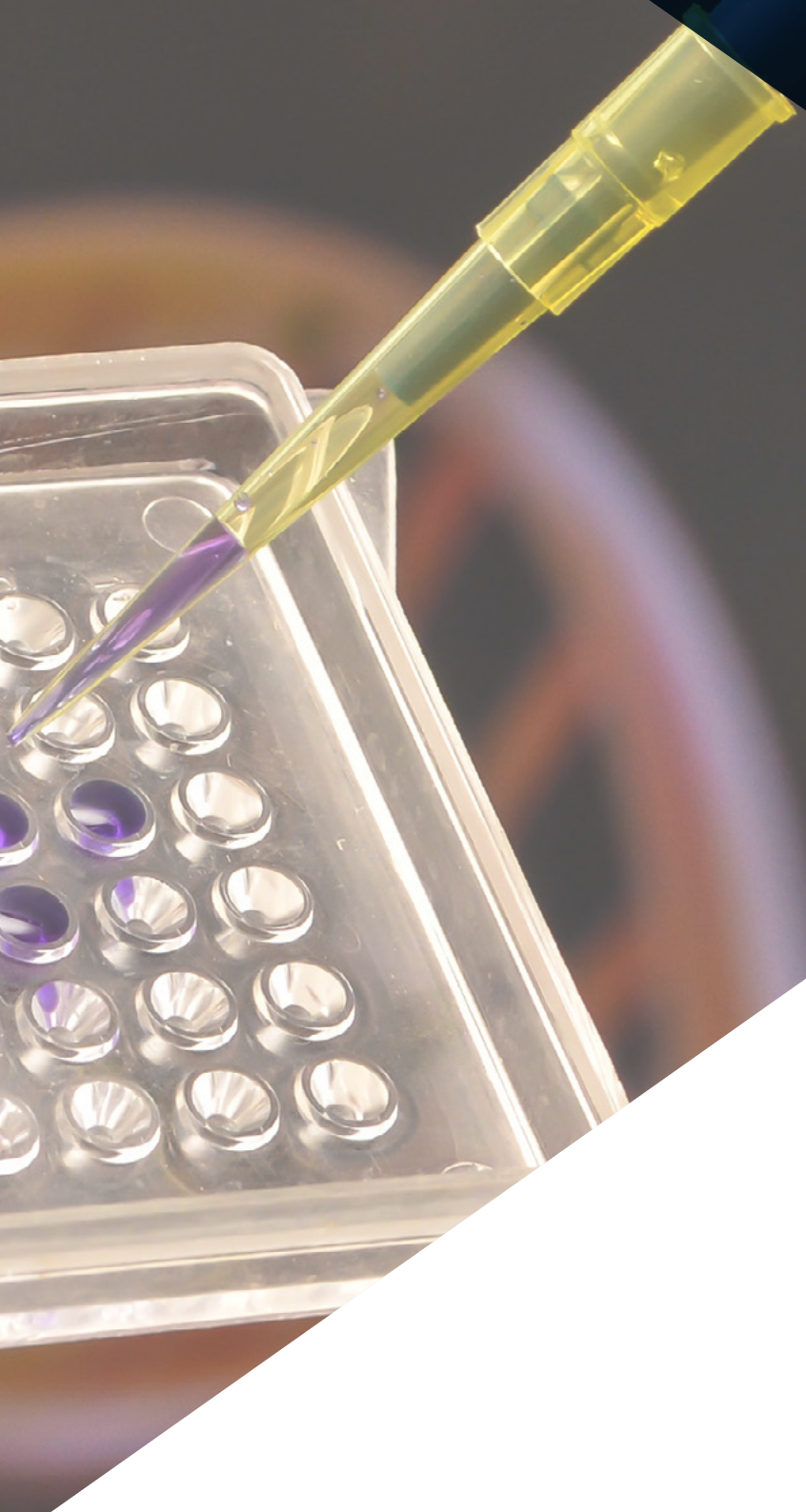
1.10. Genetic Analysis of Venous Thromboembolic Disease (VTE)
- 1.10.1. A Brief History
- 1.10.2. The Most Relevant GWAS Studies in VTE
- 1.10.3. Results of the Latest Studies
- 1.10.4. Clinical Implications of Genetic Results: The Importance of Coagulation Cascades and New Metabolic Pathways
- 1.10.5. Future Strategies

You will have a holistic understanding of the fundamentals of Genomics applied to Thrombosis"

04

Teaching Objectives

With this Postgraduate Certificate, physicians will stand out for their solid understanding of Thrombosis in the Genomic Age, with special emphasis on Genome-Wide Association Studies (GWAS). In this regard, graduates will acquire advanced skills to interpret genomic data and correlate them with individual thrombotic risk. All of this, considering genetic, environmental, and clinical factors. Additionally, they will employ modern bioinformatics tools to analyze genetic variants and biomarkers of predisposition. Likewise, professionals will apply updated prevention and treatment protocols based on genetic evidence. Thereby optimizing the safety, therapeutic efficacy, and quality of life for patients at risk.



You will manage modern bioinformatics tools to interpret genomic data and biomarkers of thrombotic risk"

General Objectives

- Understand the pathophysiology of Venous Thrombosis and its relationship with genetic, acquired, and environmental risk factors to improve its diagnosis and treatment
- Master the strategies for prevention, diagnosis, and treatment of Venous Thrombosis, based on the latest scientific evidence and a multidisciplinary approach
- Apply Genomic Medicine and Precision Medicine to identify genetic predispositions to thrombosis, enabling the personalization of therapeutic strategies
- Analyze the role of NGS technologies in detecting genetic variants associated with thrombosis and their impact on clinical decision-making
- Delve into the clinical and laboratory diagnosis of Venous Thromboembolic Disease, including advanced biomarkers and genetic tests
- Evaluate the different therapeutic options available, from traditional anticoagulants to emerging treatments, ensuring optimal management of patients with thrombosis
- Explore the impact of thrombosis on special populations, such as cancer patients, pregnant women, and individuals with autoimmune diseases
- Develop skills in interpreting genetic studies and applying them in clinical practice to improve decision-making for patients at risk of thrombosis
- Integrate bioinformatics tools and genomic data analysis for risk factor identification
- Promote an evidence-based approach and clinical research in the study of Venous Thrombosis, enabling constant updates on new therapies and diagnostic methodologies

Specific Objectives

- Understand the methodology of genome-wide association studies in the context of Thrombosis
- Analyze the main findings of GWAS in identifying genetic variants associated with Venous Thrombosis
- Evaluate the applicability of GWAS studies in predicting thrombotic risk in different populations
- Integrate genomic data from GWAS with other omic approaches to improve diagnostic and therapeutic accuracy

You will have access to the multimedia resource library and the entire syllabus from day one. No fixed schedules!"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

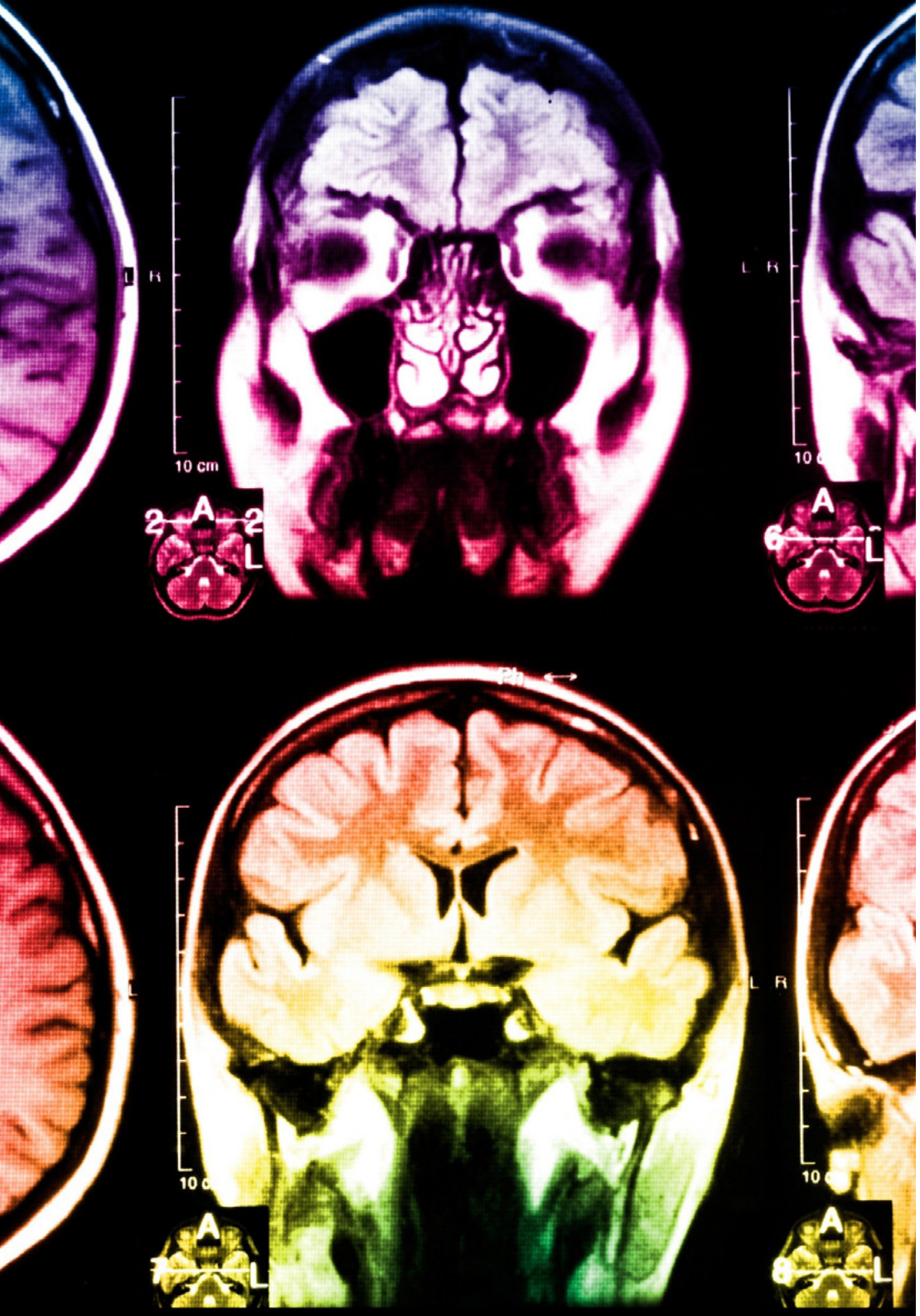
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

"The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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 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.



The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

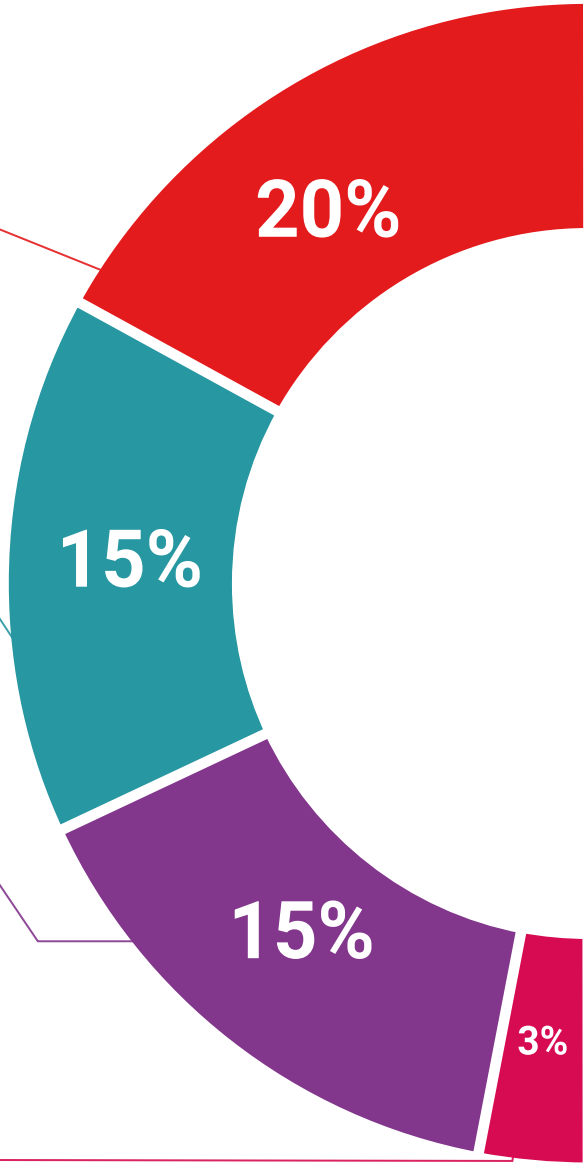
Interactive Summaries

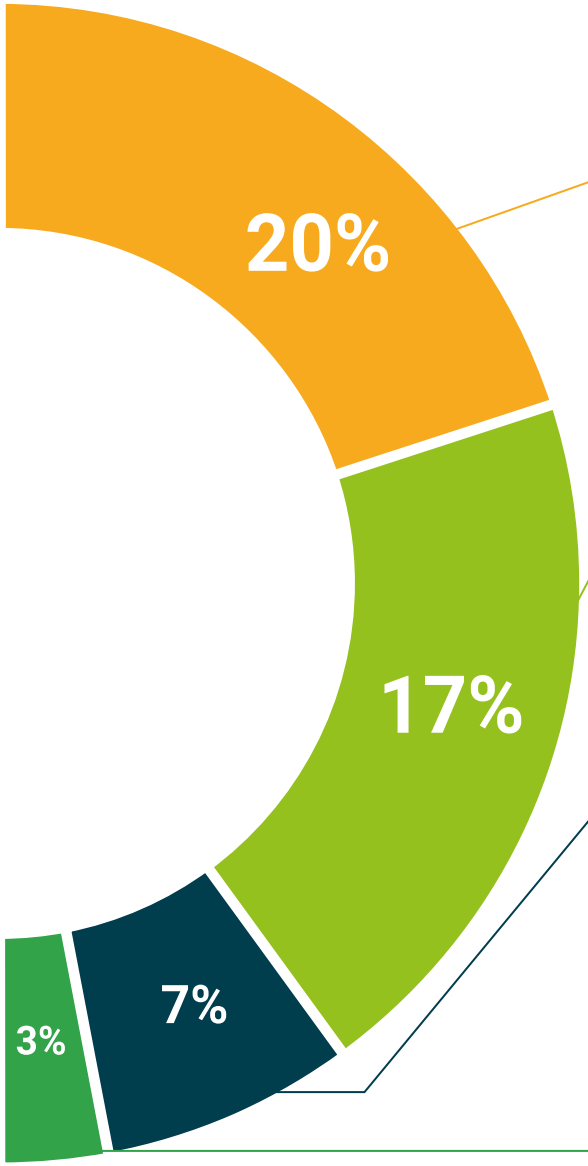
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for 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

Teaching Staff

TECH's priority is to provide the most comprehensive and up-to-date university qualifications in the academic field. For this reason, it carries out a meticulous process when selecting its teaching staff. As a result, this Postgraduate Certificate benefits from the collaboration of renowned experts in the management of Thrombosis in the Genomic Age. Additionally, these professionals have an extensive professional background, having led pioneering research on genetic factors, thrombotic risk biomarkers, and personalized prevention strategies.

You will be guided at all times by the teaching team, composed of professionals with vast experience in addressing Thrombosis in the Genomic Age"

International Guest Director

Doctor Anahita Dua is a leading **vascular surgeon** with a strong international reputation in the field of **Vascular Medicine**. As such, she has practiced at **Massachusetts General Hospital**, where she has held several leadership roles, including **director** of the **Vascular Laboratory** and **co-director** of the **Center for Peripheral Artery Disease** and the **Limb Evaluation and Preservation Program (LEAPP)**. In addition, she has been the **Associate Director** of the **Wound Care Center** and the **Director** of the **Lymphedema Center**, as well as **Director** of **Clinical Research** for the **Division of Vascular Surgery**.

She has also specialized in advanced **Vascular Surgery** techniques, both **endovascular** and **traditional**, for the treatment of various diseases, including **Peripheral Artery Disease**, **Critical Limb Ischemia**, and **Aortic and Carotid Disease**. She has also encompassed the treatment of complex problems, such as **Thoracic Outlet Syndrome** and **Venous Insufficiency**.

Of particular note is her **research** focus, centered on **anticoagulation** and **predictive biomarkers** in patients undergoing **revascularization**, as well as the development of **technological tools** to improve mobility and wound healing in patients with **Peripheral Vascular Disease**. In turn, she has included **research** based on surgical outcomes using large medical databases to evaluate the quality and cost-effectiveness of treatments. In fact, she has contributed significantly to the field through more than **140 peer-reviewed publications** and by editing **five textbooks** in **Vascular Surgery**.

In addition to her **clinical** and **research work**, Dr. Anahita Dua has been the founder of ***Healthcare for Action PAC***, an organization whose mission is to address threats to democracy and promote policies that benefit **public health**, reflecting her commitment to **social welfare** and **justice**.

Dr. Dua, Anahita

- Co-Director of the Center for Peripheral Artery Disease, Massachusetts General Hospital, United States
- Co-Director of the Limb Evaluation and Preservation Program (LEAPP) at Massachusetts General Hospital, Massachusetts
- Associate Director of the Wound Care Center, Massachusetts General Hospital
- Director, Vascular Laboratory, Massachusetts General Hospital
- Director of the Lymphedema Center at Massachusetts General Hospital
- Director of Clinical Research for the Division of Vascular Surgery at Massachusetts General Hospital
- Vascular Surgeon at Massachusetts General Hospital
- Founder of Healthcare for Action PAC
- Specialist in Vascular Surgery at Stanford University Hospital
- Specialist in General Surgery at the Medical College of Wisconsin
- Master's Degree of Business Administration / Health Management / Health Care Management from Western Governors University
- Master of Science in Trauma Sciences, Queen Mary University, London
- Bachelor of Medicine and Surgery from the University of Aberdeen
- Member of: Society for Vascular Surgery, South Asian-American Vascular Society and American College of Surgeons

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

Management

Dr. Soria, José Manuel

- Director of the Genomics of Complex Diseases Unit at the Research Institute of the Hospital de Santa Creu i Sant Pau. Barcelona
- Co-Founder/Chief Scientific Officer (CSO)
- Coordinator of the Sant Pau Node of the UAB Bioinformatics Platform (Bioinf UAB)
- Coordinator of the ITEMAS Network (Innovation in Health Technologies Network, ICIII) Node at the Hospital de Santa Creu i Sant Pau Research Institute
- Head of the Genomics Area at the Scientific-Technical Platforms at the Research Institute of the Hospital de Santa Creu i Sant Pau
- Author of 129 scientific publications, 134 articles in high-impact scientific journals, and 5 doctoral theses

Faculty

Dr. Sabater Lleal, María

- Researcher at the Complex Disease Genomics Group, Institute of Research at the Santa Creu i Sant Pau Hospital
- Senior Researcher at Karolinska Institutet
- PhD in Genetics from the University of Barcelona
- Specialist in Biomedicine
- Bachelor's Degree in Biology from the University of Barcelona

07

Certificate

This Postgraduate Certificate in Thrombosis in the Genomic Age: Genome-Wide Association Studies (GWAS) guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Thrombosis in the Genomic Era: Genome-Wide Association Studies (GWAS)** endorsed by TECH Global University, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra ***(official bulletin)***. Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

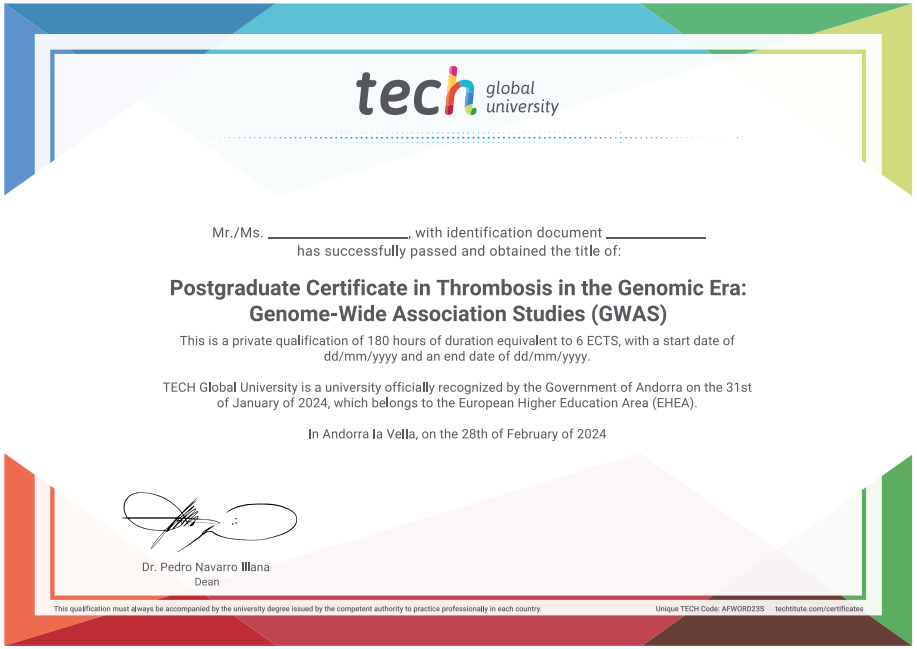
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Thrombosis in the Genomic Era: Genome-Wide Association Studies (GWAS)**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Thrombosis in the Genomic Era: Genome-Wide Association Studies (GWAS)

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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Postgraduate Certificate

Thrombosis in the Genomic Age: Genome-Wide Association Studies (GWAS)

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

Postgraduate Certificate

Thrombosis in the Genomic Age: Genome-Wide Association Studies (GWAS)

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