

Hellenic Pasteur Institute

Annual Report 2025



Executive Summary

The Hellenic Pasteur Institute (HPI) continued to strengthen its position in 2025 as a leading national and international center of excellence in biomedical research, public health, education, and scientific innovation. Through strategic infrastructure investments, competitive research achievements, international collaborations, and expanded public engagement activities, the Institute further enhanced its scientific capacity and societal impact.

Major milestones included the launch of new state-of-the-art research facilities, successful acquisition of competitive research funding, expansion of international scientific partnerships, and increased outreach initiatives promoting science education and public awareness. These developments reinforce HPI's commitment to advancing biomedical knowledge and supporting national public health priorities.



During the reporting year, HPI advanced a major infrastructure project funded through the Recovery and Resilience Facility, strengthened leadership and institutional stability, secured competitive research funding in key biomedical fields, and expanded its scientific visibility through international conferences, symposia, and educational outreach activities. The Institute also further strengthened its contribution to science communication and societal engagement through national exhibitions, educational festivals, and public science initiatives, promoting scientific literacy and fostering early engagement in biomedical sciences.



Institutional Development and Infrastructure

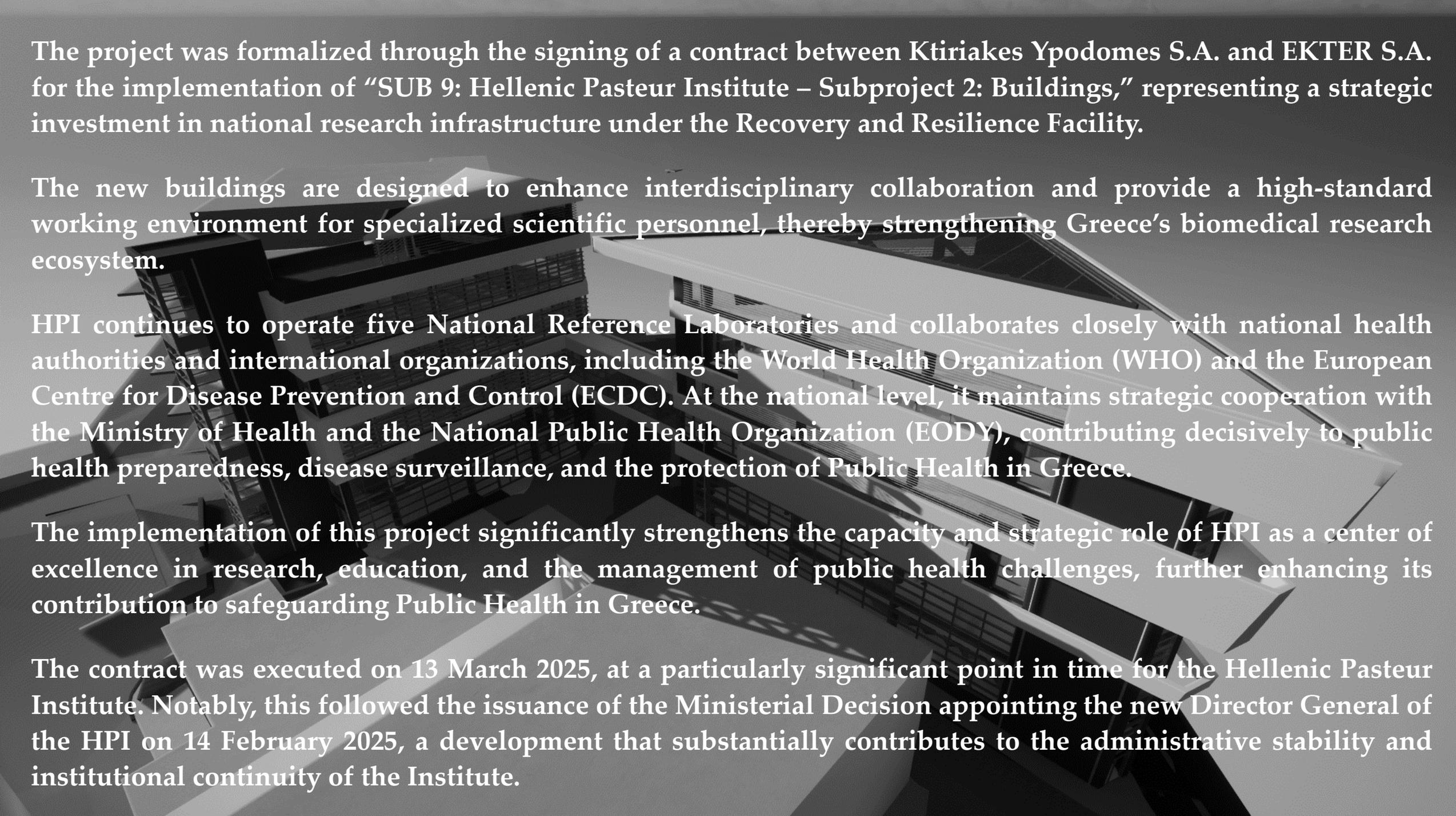
- Construction of New Research Facilities

In March 2025, HPI initiated the construction of two technologically advanced research buildings (LAB and HUB) under the Recovery and Resilience Facility infrastructure program. The project includes specialized architectural design and covers a total surface area of 4,887 square meters, accompanied by the procurement of advanced laboratory and research equipment.

The new facilities are expected to significantly expand HPI's research capabilities by supporting large-scale national and European research programs and by providing an attractive environment for highly specialized scientists. The project also contributes to mitigating scientific workforce migration by creating enhanced research opportunities within Greece.

The infrastructure upgrade further strengthens HPI's educational mission by expanding its ability to host advanced training programs, seminars, and professional development activities for undergraduate and postgraduate students, with particular emphasis on biological risk management and applied biomedical research.





The project was formalized through the signing of a contract between Ktiriakes Ypodomes S.A. and EKTER S.A. for the implementation of “SUB 9: Hellenic Pasteur Institute – Subproject 2: Buildings,” representing a strategic investment in national research infrastructure under the Recovery and Resilience Facility.

The new buildings are designed to enhance interdisciplinary collaboration and provide a high-standard working environment for specialized scientific personnel, thereby strengthening Greece’s biomedical research ecosystem.

HPI continues to operate five National Reference Laboratories and collaborates closely with national health authorities and international organizations, including the World Health Organization (WHO) and the European Centre for Disease Prevention and Control (ECDC). At the national level, it maintains strategic cooperation with the Ministry of Health and the National Public Health Organization (EODY), contributing decisively to public health preparedness, disease surveillance, and the protection of Public Health in Greece.

The implementation of this project significantly strengthens the capacity and strategic role of HPI as a center of excellence in research, education, and the management of public health challenges, further enhancing its contribution to safeguarding Public Health in Greece.

The contract was executed on 13 March 2025, at a particularly significant point in time for the Hellenic Pasteur Institute. Notably, this followed the issuance of the Ministerial Decision appointing the new Director General of the HPI on 14 February 2025, a development that substantially contributes to the administrative stability and institutional continuity of the Institute.

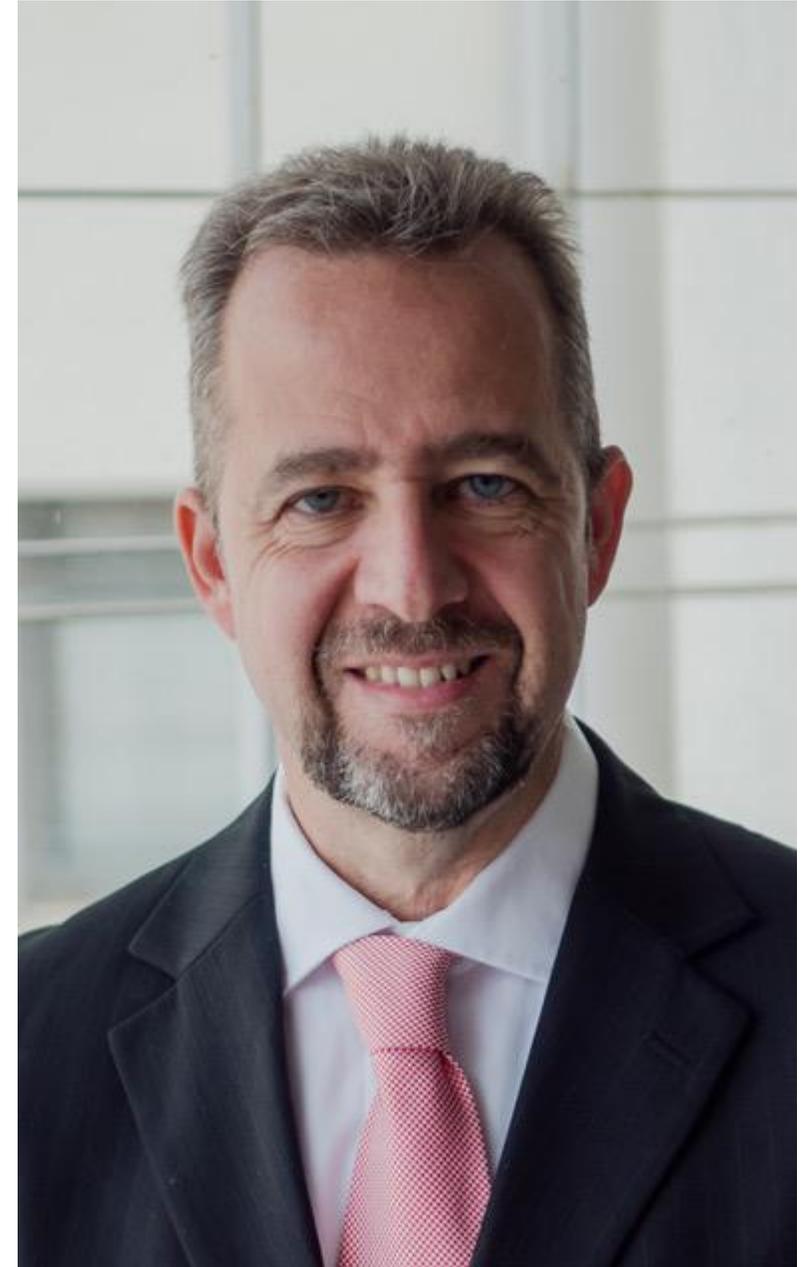




The close temporal proximity of these two events constitutes a fortuitous circumstance, as the new Director General of the HPI, Professor Georgios Patrinos, assumed his duties during a period of substantial modernization of the Institute's infrastructure. This development facilitates the immediate implementation of strategic planning and the effective monitoring of a project of considerable importance for research, education, and Public Health.

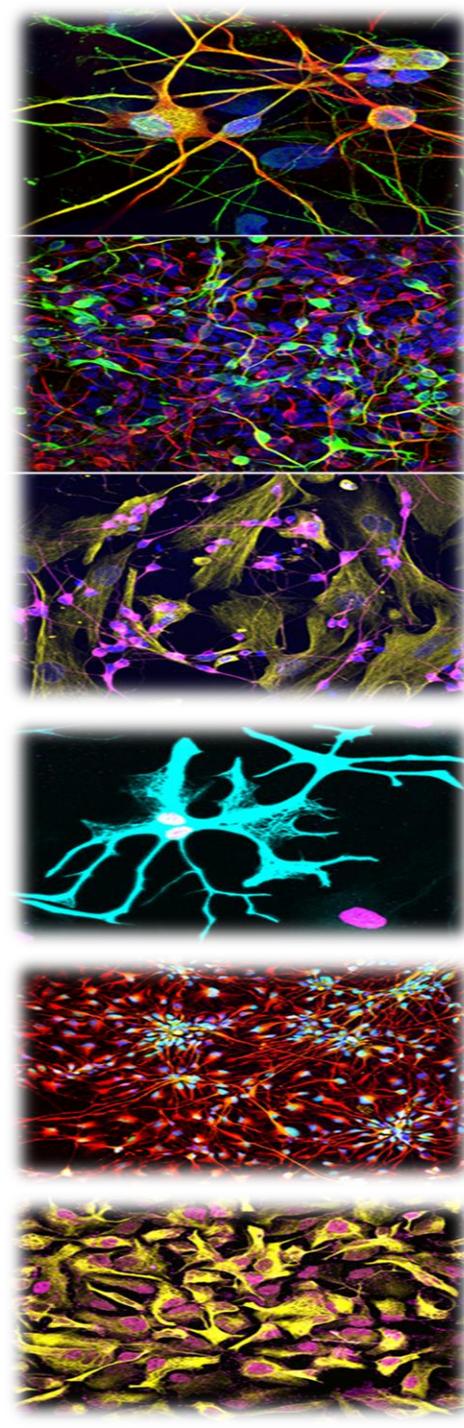
Leadership Transition

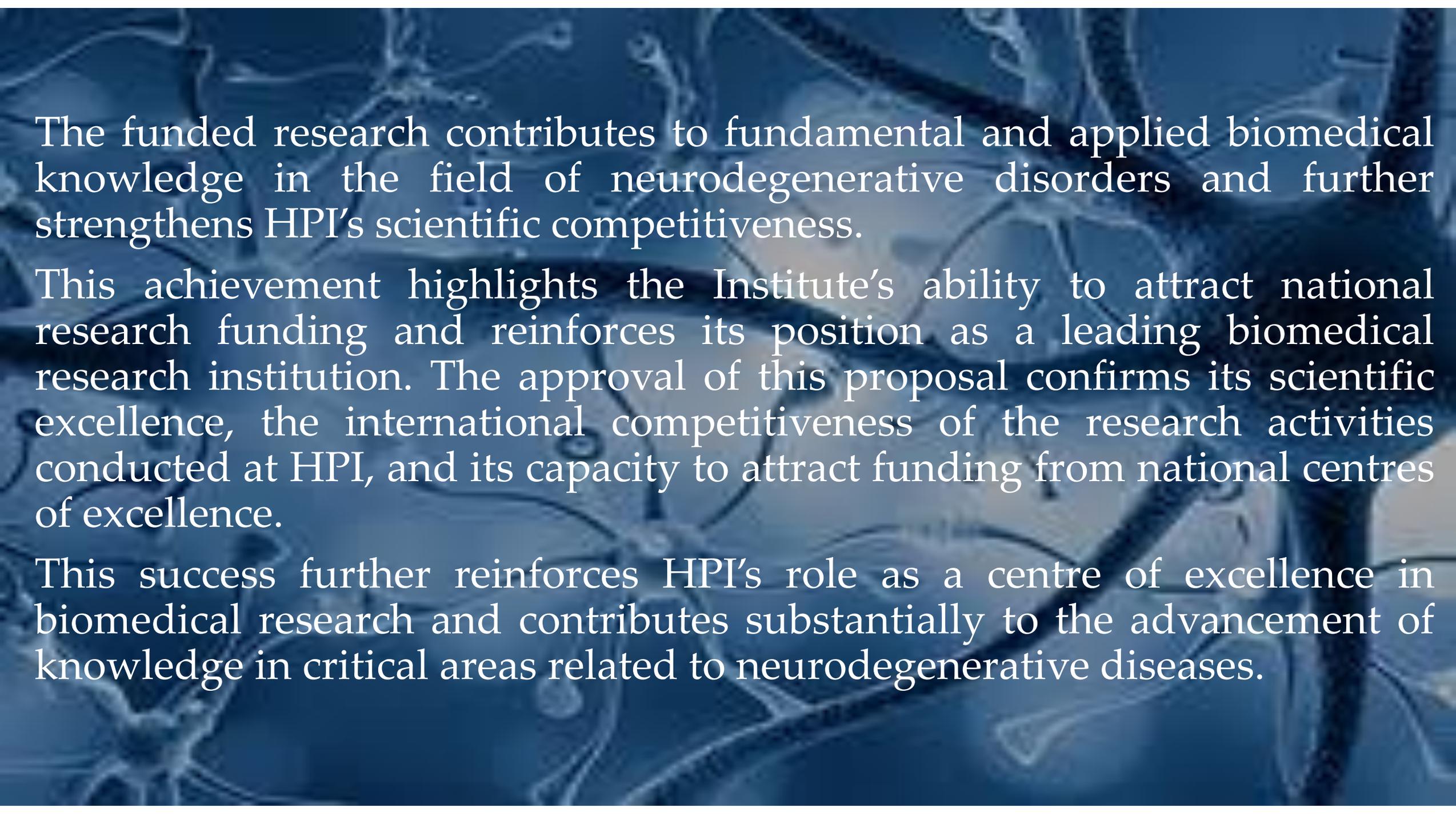
The year marked an important administrative milestone with the appointment of Professor Georgios Patrinos as Director General. The leadership transition ensured institutional continuity and facilitated strategic planning during a period of infrastructure expansion and organizational growth.



Research Excellence and Funding Success

During 2025, HPI achieved significant success in competitive research funding through the approval of a major research project supported by the Hellenic Foundation for Research and Innovation. The approved proposal, under the scientific supervision of Dr. Dimitra Thomaidou, concerns the investigation of the role of the loss of expression of the BIN1 protein, a significant genetic risk factor for Alzheimer's disease, and its effects on neuroglial interactions of microglia during inflammation and aging. The project will be implemented at HPI and falls within the funding categories of the HFRI 3rd Call that support high-quality basic and applied research. The total approved budget of the proposal amounts to €299,997.00.



A blue-tinted microscopic image of neural tissue, showing a dense network of neurons and their processes. The image serves as a background for the text.

The funded research contributes to fundamental and applied biomedical knowledge in the field of neurodegenerative disorders and further strengthens HPI's scientific competitiveness.

This achievement highlights the Institute's ability to attract national research funding and reinforces its position as a leading biomedical research institution. The approval of this proposal confirms its scientific excellence, the international competitiveness of the research activities conducted at HPI, and its capacity to attract funding from national centres of excellence.

This success further reinforces HPI's role as a centre of excellence in biomedical research and contributes substantially to the advancement of knowledge in critical areas related to neurodegenerative diseases.

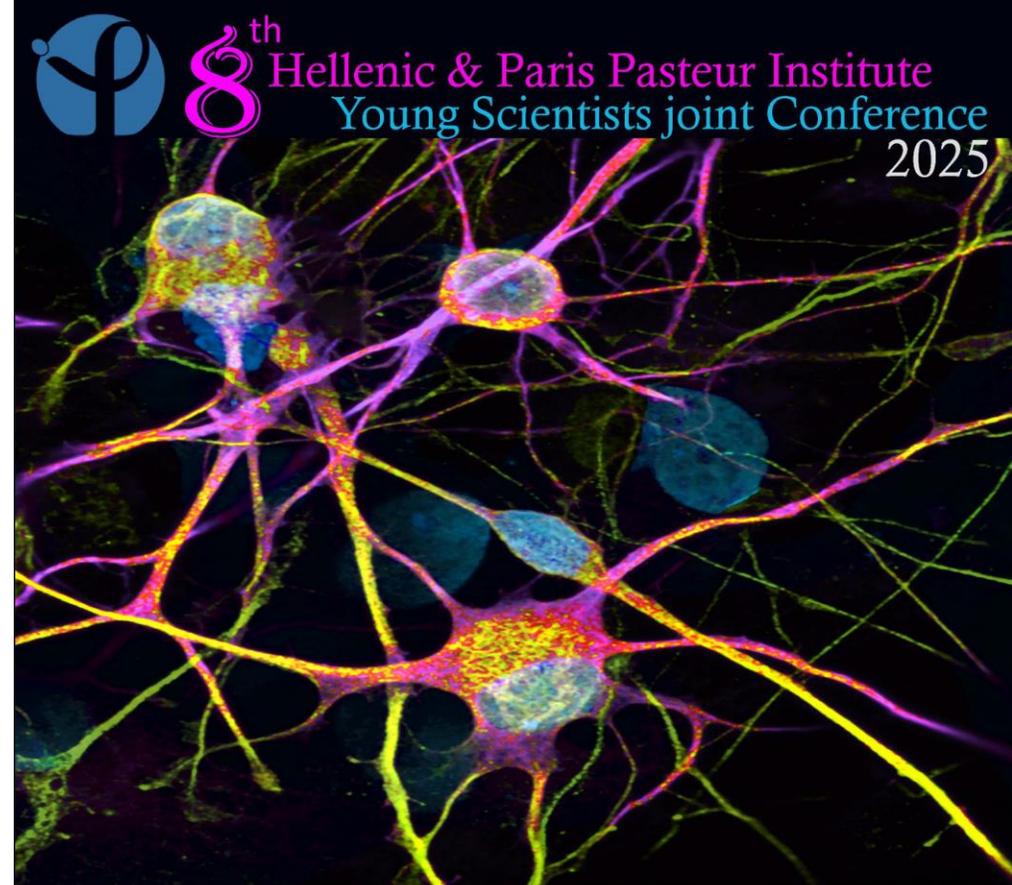
International Scientific Collaboration

Pasteur Network Young Researchers Conference

HPI hosted an international three-day scientific conference for early-career researchers within the Pasteur Network. The conference covered a broad range of research disciplines including neuroscience, stem cell biology, immunology, virology, microbiology, biotechnology, structural biology, bioinformatics, computational biology, and global health.

The scientific programme featured a series of lectures delivered by distinguished scientists from the Pasteur Institute Paris, the Hellenic Pasteur Institute, and the wider academic community, with particular emphasis on networking among early-career researchers and dedicated sessions linking research with innovation.

Particular emphasis was also placed on the participation of early-career scientists through extensive poster sessions and flash talks, highlighting the high quality and interdisciplinary nature of research conducted at HPI as well as by collaborating Greek and international academic and research groups.



**8th Hellenic & Paris Pasteur Institute
Young Scientists joint Conference
2025**

29 September - 1 October 2025

 Hellenic Pasteur Institute, Central Amphitheater K8
127 Vasilissis Sofias Ave, Athens, Greece

Neuroscience ~ Microbiology ~ Bioinformatics ~ Public Health
Immunology ~ Stem Cell ~ Biotechnology ~ Structural Biology

Call For Abstracts **Free Registration** 

 conferences@pasteur.gr  [imerida_pasteur_athens](https://www.instagram.com/imerida_pasteur_athens)

Within the framework of the conference, five scientific awards were presented in recognition of excellence, innovation, and the high quality of research conducted by early-career scientists:

- “Thanasis Loukeris” Award for Best Oral Presentation
- Award for Best Oral Presentation
- Awards for Best Poster (2)
- Award for Best Flash Talk Presentation (Audience Choice)

The event provided a platform for scientific exchange, professional networking, and interdisciplinary collaboration. The successful organization of the conference reaffirmed the dynamic presence of HPI within the international research landscape, highlighted its active role within the Pasteur Network, and strengthened international research cooperation, education, and networking of the new generation of researchers.

Scientific Events and Knowledge Advancement -Vaccine Development Symposium

In October 2025, Hellenic Pasteur Institute (HPI) launched its 2025–2026 Science Lecture Series with the international symposium titled “New Era in the Development of Vaccines: From Research to Quality Testing to Clinical Trials,” held on Thursday, 9 October 2025, at the Amphitheatre of the Institute.

The symposium constituted a high-level scientific forum aimed at strengthening bilateral collaboration between the Hellenic Pasteur Institute and the Millennium Institute of Immunology and Immunotherapy in Chile, represented by Professor Alexis M. Kalergis, Director of the Institute. At the same time, the event highlighted the most recent advances in immunology, vaccine research, inflammatory mechanisms, and translational biomedical applications, supporting the transition from fundamental research to quality testing, diagnostic development, and clinical trials.



The poster features a dark background with a purple and blue abstract pattern. At the top right is the logo of the Hellenic Pasteur Institute, which includes a stylized figure and the text "ΕΛΛΗΝΙΚΟ ΙΝΣΤΙΤΟΥΤΟ ΠΑΣΤΕΡ" and "INSTITUT PASTEUR HELLENIQUE". Below the logo, the text "HELLENIC PASTEUR INSTITUTE" and "SCIENCE LECTURE SERIES 2025-2026" is displayed in white. The main title of the symposium, "INAUGURAL SYMPOSIUM: «New era in the Development of Vaccines: From Research to Quality Testing to Clinical Trials»", is written in a light purple color. At the bottom, the date "09|10|2025" is shown in large white characters.

ΕΛΛΗΝΙΚΟ ΙΝΣΤΙΤΟΥΤΟ ΠΑΣΤΕΡ
INSTITUT PASTEUR HELLENIQUE

HELLENIC PASTEUR INSTITUTE
SCIENCE LECTURE SERIES 2025-2026

INAUGURAL SYMPOSIUM:
«New era in the Development of Vaccines:
From Research to Quality Testing to Clinical Trials»

09|10|2025

Vaccine Development Symposium

In the welcoming addresses, particular emphasis was placed on the strategic importance of vaccine research, the necessity of strengthening international scientific cooperation, and the pivotal role of the Hellenic Pasteur Institute as a centre of scientific excellence and innovation.

The scientific programme focused on contemporary advancements in immunology and vaccine development, encompassing critical immunological mechanisms in host defence against viral and bacterial infections and their therapeutic and preventive implications. Special attention was given to the function of dendritic cells, the regulation of pulmonary inflammation, and recent achievements in clinical research relating to vaccines and immunotherapy.



In his keynote lecture, Professor Alexis M. Kalergis addressed vaccine-induced immunity and its role in preventing both acute disease and cognitive impairment associated with respiratory viral infections, highlighting emerging immunological concepts essential for the design and development of next-generation vaccines.



The Symposium concluded with an open scientific discussion, closing remarks, and the establishment of subsequent steps aimed at further expanding collaboration between the two Institutes. The event reaffirmed the central role of international scientific partnerships in addressing contemporary global public health challenges and strengthened bilateral cooperation in vaccine research and biomedical innovation.

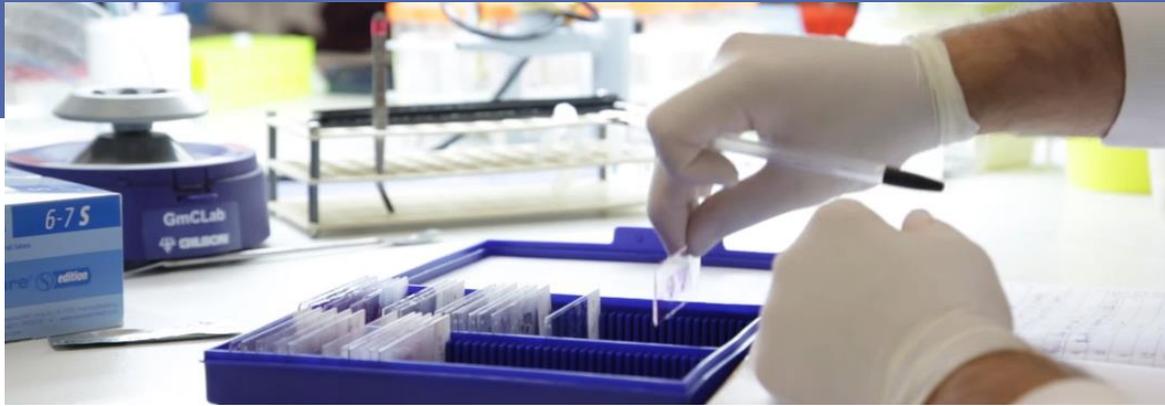
The Hellenic Pasteur Institute, in collaboration with the Millennium Institute of Immunology and Immunotherapy, laid robust foundations for the development of further joint initiatives in vaccine research and clinical trial activities.



Vaccine Development Symposium



Internal Scientific Capacity Building



HPI implemented an internal seminar series designed for doctoral candidates and postdoctoral researchers. The seminars provide opportunities for presenting research progress, exchanging scientific knowledge, and fostering interdisciplinary collaboration.

Research topics presented included neurodegenerative disease mechanisms, gene characterization in early evolutionary organisms, investigation of natural compounds with anticancer properties, structural and functional analysis of human proteins, innate immunity research, synaptic transmission dysfunction, and advanced cellular metabolism studies.



INTERNAL SCIENTIFIC CAPACITY BUILDING

Within the framework of HPI's internal scientific activities, the objective of this initiative is to present the research progress, scientific findings, and future research directions of the participants, while strengthening internal scientific interaction and collaboration. The seminars are conducted in person, delivered in English, and are accompanied by structured discussions with the scientific audience.

Throughout the seminar series, research topics are presented and developed across a broad spectrum of contemporary biomedical and biological approaches, including:



INTERNAL SCIENTIFIC CAPACITY BUILDING

- Studies examining the contribution of non-neuronal cells to the mechanisms underlying neurodegenerative diseases, utilising advanced human cellular models,
- Research related to the identification and characterisation of genes in evolutionarily early organisms, aiming to elucidate fundamental biological functions,
- Investigation of the biological properties of natural compounds and their potential anticancer activity through experimental approaches,
- Structural and functional analyses of human proteins and enzymes of biomedical relevance,
- Studies of innate immunity mechanisms and their involvement in autoimmune and thrombotic processes,
- Analysis of molecular and cellular mechanisms leading to synaptic transmission dysfunction,
- Application of specialised techniques for the investigation of cellular metabolism and bioenergetic status.

The seminar program supports scientific development, promotes research visibility, and prepares early-career researchers for participation in international scientific forums. It is expected to contribute significantly to the advancement and recognition of the research activities of early-career researchers, to promote the exchange of scientific knowledge across a wide range of academic disciplines, to strengthen institutional cohesion and foster interdisciplinary collaboration within HPI, and to support participants in their systematic preparation for participation in national and international scientific conferences.

Public Engagement and Science Communication

- **Thessaloniki International Fair Participation**

HPI participated in the 89th Thessaloniki International Fair, presenting its scientific and research activities to the broader public and professional audiences. Interactive exhibitions, including a portable molecular biology laboratory, enhanced visitor engagement and promoted science communication.

The Hellenic Pasteur Institute (HPI) participated in the 89th Thessaloniki International Fair (TIF), at the pavilion of the General Secretariat for Research and Innovation (GSRI).

The Institute's participation constituted an important opportunity to present and promote its scientific and research activities, both at a general level and through targeted presentations of specific research domains and initiatives.



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ



ΚΑΤΑΣΤΑΣΗ
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ΕΠΙΧΕΙΡΗΣΗ
Ε. ΣΑΛΑΜΑΝΟΣ

ΣΤΑΤΙΣΤΙΚΑ
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ΠΡΟΒΛΗΤΗ
Ε. ΣΑΛΑΜΑΝΟΣ

ΕΥΡΩΠΑΪΚΟ ΚΕΝΤΡΟ
ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ
1983

Γ.Γ. ΙΔΙΩΤΙΚΩΝ ΕΠΕΝΔΥΣΕΩΝ
Γ.Γ. ΒΙΟΜΗΧΑΝΙΑΣ
Γ.Γ. ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ
Γ.Γ. ΕΜΠΟΡΙΟΥ

ELEVATE
GREECE
national startup point

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
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ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ



07/09/2025 12:05

- **Thessaloniki International Fair Participation**

Within the framework of the exhibition, presentations were delivered by the Director General of the HPI, Professor G. Patrinos, and the Head of the Quality Control Department, Dr. I. Rampias.

Their contributions highlighted the Institute's role and impact within the national and international research ecosystem, enhancing the visibility of the HPI and fostering constructive dialogue, comparable to that of other participating research centres.

The presence of a physical exhibit, specifically a portable Molecular Biology laboratory, at the HPI pavilion served as a significant point of attraction for visitors and facilitated interactive discussions, thereby promoting the dissemination of scientific knowledge and strengthening engagement between the research community and younger generations.





Presentation of Dr. Ioannis Rabias entitled “Development of Quality Control Procedures for a Phase II Clinical Trial of an RSV Vaccine in Compliance with the European Pharmacopoeia”

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ

Ο Ποιοτικός Έλεγχος στο Ινστιτούτο Παστέρ

- Σκοπός του Τμήματος Ποιοτικού Ελέγχου του ΕΙΠ είναι να διασφαλίσει ότι τα εμβόλια και τα φαρμακευτικά προϊόντα συμμορφώνονται με τις προδιαγραφές της ισχύουσας ελληνικής και ευρωπαϊκής φαρμακευτικής νομοθεσίας.



- Το Τμήμα πιστοποιείται με EU-GMP από τον Εθνικό Οργανισμό Φαρμάκων (Ε.Ο.Φ) και έχει πιστοποίηση ISO 17025: 2017 από το Εθνικό Σύστημα Διαπίστευσης (Ε.Σ.Υ.Δ.).

Γ.Γ. ΙΔΙΩΤΙΚΩΝ ΕΠΕΝΔΥΣΕΩΝ Γ.Γ. ΒΙΟΜΗΧΑΝΙΑΣ Γ.Γ. ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ Γ.Γ. ΕΜΠΟΡΙΟΥ

ELEETE GREECE
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ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ

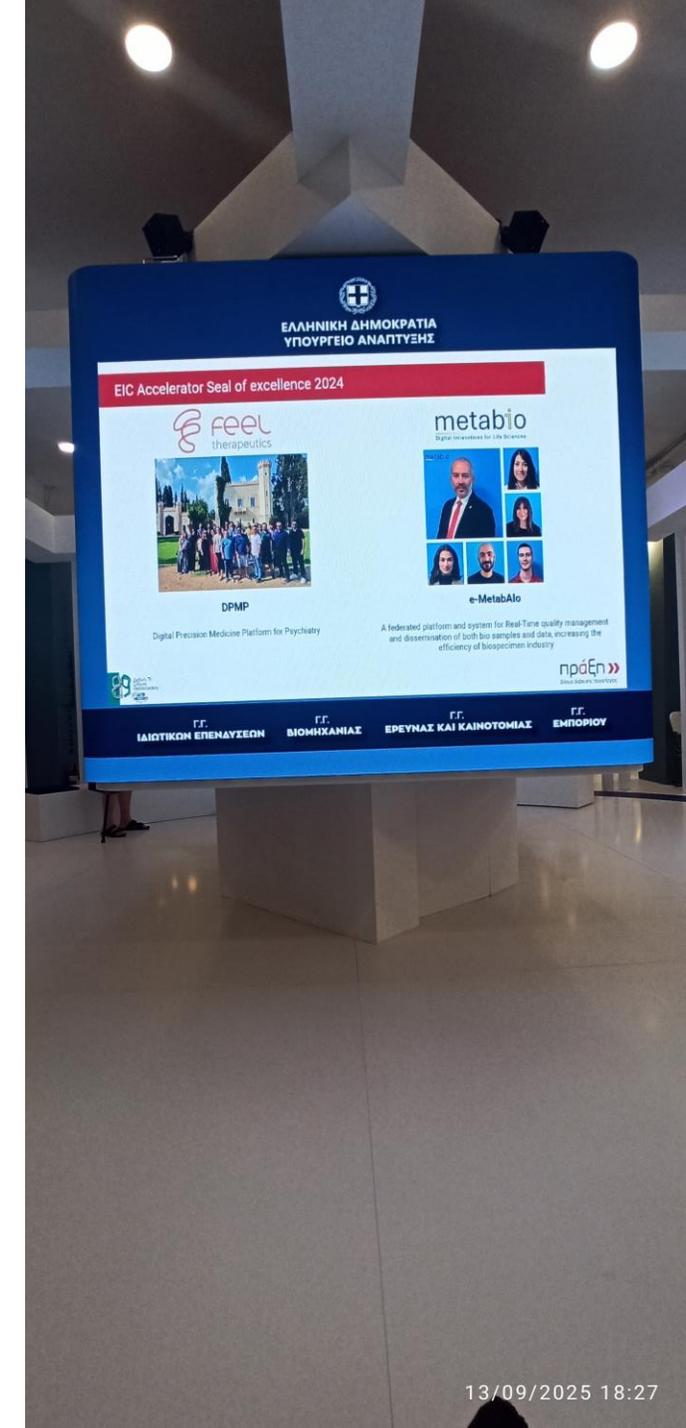


Γ.Γ. ΕΠΙΧΕΙΡΗΣΙΑΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ
Γ.Γ. ΚΑΙΝΟΤΟΜΙΑΣ

13/09/2025 18:34

- **Thessaloniki International Fair Participation**

Furthermore, a video wall was installed at the HPI pavilion for the presentation of audiovisual material relating to the Institute's research activities and programmes. The material was displayed continuously, with the objective of comprehensively showcasing the HPI's research output and supporting public outreach and communication initiatives.

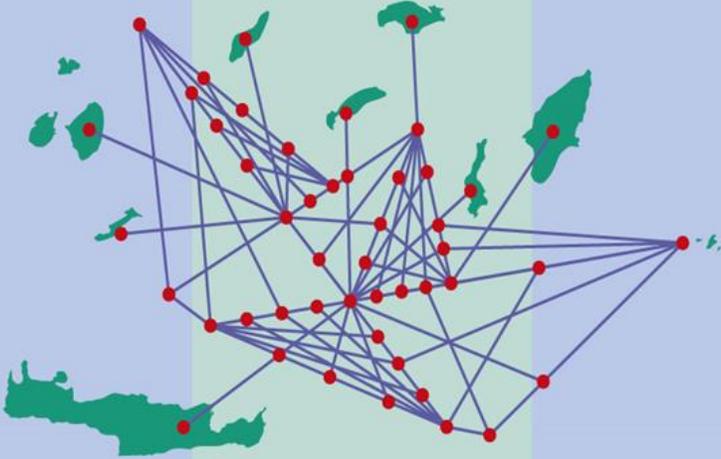


ΓΙΟΡΤΑΖΟΥΜΕ
5 ΧΡΟΝΙΑ
ΜΕΓ
ΕΠΙΣΤΗΜΗ



ΦΕΣΤΙΒΑΛ
ΓΡΙΦΩΝ
ΠΑΙΓΝΙΔΙΑ ΕΠΙΣΤΗΜΗΣ
ΚΑΣΤΕΛΛΟΡΙΖΟ

17-19
ΟΚΤΩΒΡΙΟΥ
2025



ΓΙΑ: ▶ ΜΑΘΗΤΕΣ/ΤΡΙΕΣ ▶ ΕΚΠΑΙΔΕΥΤΙΚΟΥΣ ▶ ΕΥΡΥ ΚΟΙΝΟ

ΧΩΡΟΙ ΕΚΔΗΛΩΣΕΩΝ: ΠΛΑΤΕΙΑ Α^η ΓΙΩΡΓΗ ΠΗΓΑΔΙΟΥ • ΣΑΝΤΡΑΠΕΙΑ ΣΧΟΛΗ • ΝΗΠΙΑΓΩΓΕΙΟ - ΔΗΜΟΤΙΚΟ
• ΓΥΜΝΑΣΙΟ • ΜΟΥΣΕΙΟ ΓΡΙΦΩΝ • ΕΡΓΑΣΤΗΡΙ ΑΡΓΑΛΕΙΟΥ • ΤΟ ΜΕΡΑΚΙ (ΔΡΑΣΗ)
ΩΡΕΣ: 10.00 - 14.00 & 17.00 - 23.00



- Kastellorizo Puzzle Festival

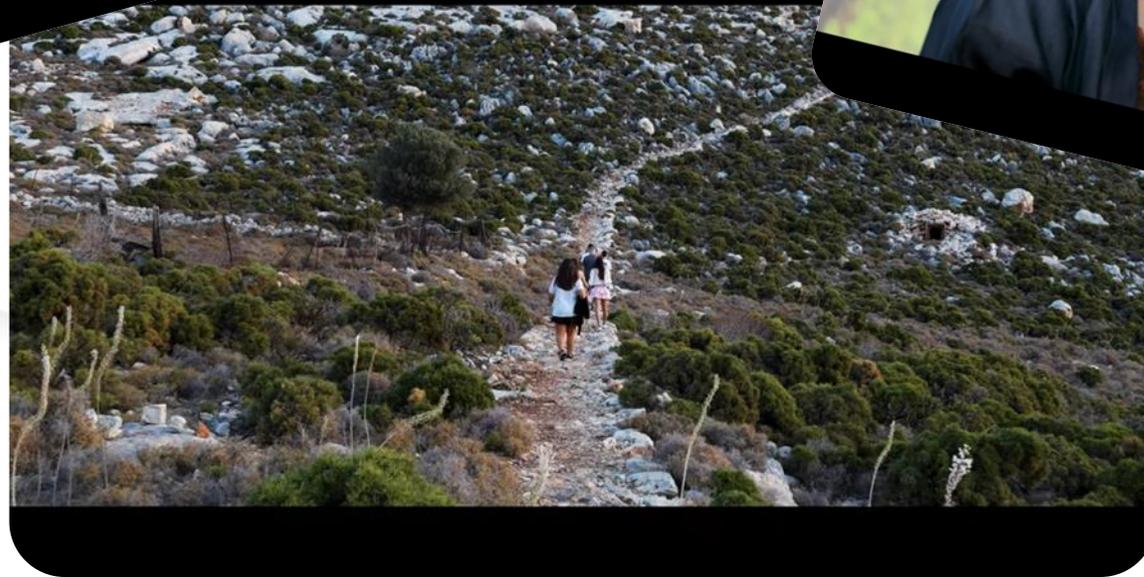
HPI maintained its active participation in the Kastellorizo Puzzle Festival, organizing educational workshops and interactive scientific activities for students and residents. The initiative aims to expand access to scientific knowledge in remote regions and strengthen educational opportunities through experiential learning and interdisciplinary engagement.

Demonstrating a strong educational and social outreach, the Hellenic Pasteur Institute (HPI) has maintained a consistent presence in recent years at the Kastellorizo Puzzle Festival, an established initiative that integrates science with interactive educational activities and is addressed to children, adolescents, and adults.

The participation of the HPI forms part of the Institute's strategic commitment to science communication and public engagement, with particular emphasis on remote border regions and the school community. Researchers and collaborators of the Hellenic Pasteur Institute travel to Kastellorizo to implement interactive workshops, experimental demonstrations, and educational programmes tailored to diverse age groups, thereby extending scientific knowledge beyond laboratory environments and into the daily life of the island community.



The activities primarily focus on fundamental principles of the life sciences, the understanding of the microscopic world, the cultivation of scientific reasoning, and the development of problem-solving skills through experiential learning, puzzles, riddles, and logic-based challenges. The workshops are not confined to the festival venues but frequently extend to the island's schools, either prior to or during the festival, substantially strengthening the connection between the festival's activities and the local educational framework.



The presence of the HPI has been of particular significance for the children of Kastellorizo, as the festival has functioned not only as an educational initiative but also as a meaningful platform for creative expression and social engagement. In a locality where theatres, permanent cultural institutions, and organised recreational facilities are not available, the activities implemented by the HPI have provided a valuable opportunity for engagement with knowledge, creative play, and shared collective experiences.



Particular significance was attributed to the participation of students from all schools on the island, who interacted with one another, exchanged ideas, and collaborated through group activities.





The coexistence of different age groups and educational levels fostered a strong sense of community and created a shared environment of learning and creativity beyond the conventional school framework.



According to the organizers, the presence of the Hellenic Pasteur Institute constitutes a pivotal element of the scientific identity of the festival, enhancing its prestige and substantive content. At the same time, for the Institute itself, Kastellorizo serves as a model for the decentralization of scientific knowledge and engagement with audiences that rarely have direct access to research institutions of national scope.

The participation of the HPI is not occasional or isolated. Its repeated presence across multiple editions of the festival demonstrates a long-term collaboration with the Kastellorizo Festival and local stakeholders.

The outcome is a multifaceted educational event in which science functions simultaneously as a source of knowledge, culture, entertainment, and social engagement, generating a tangible impact on the younger generation of a remote island community.

HPI contributed to the Athens Science Festival through interdisciplinary science communication initiatives combining neuroscience, performing arts, and public dialogue. The Institute supported public understanding of scientific concepts related to memory, perception, and cognitive processes while promoting responsible and accessible science communication.

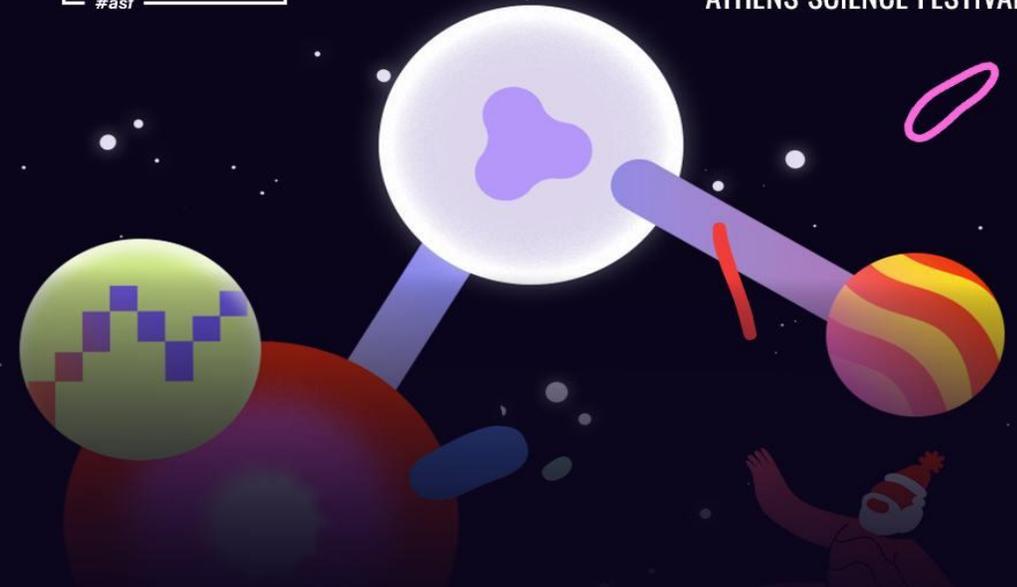
Science and ■ Society Initiatives

Athens Science Festival Participation



The **Christmas Lab**

ATHENS SCIENCE FESTIVAL 2025



SHOWS & PERFORMANCES:
**ATHENS SCIENCE
FESTIVAL 2025**

18-21 ΔΕΚΕΜΒΡΙΟΥ 2025
ΩΔΕΙΟ ΑΘΗΝΩΝ

athens-science-festival.gr

The Hellenic Pasteur Institute (HPI) participated in the Athens Science Festival – The Christmas Lab, held at the Athens Conservatoire on Sunday, 21 December, contributing actively to public discourse on neuroscience and to the dissemination of scientific knowledge to the general public.

The participation of HPI was integrated into the special presentation of the internationally recognized lecture performance Cerebrum, created by Yvain Juilliard, which explores the boundaries between memory, perception, and reality through a multidisciplinary approach combining theatrical performance, scientific interpretation, and physical expression.

The event was followed by an open audience discussion, moderated by Dr. Elpiniki Ninou, with the participation of the creator and performer Yvain Juilliard; Assistant Professor of Cognitive Neuroscience, Dr. Theofanis Panagiotaropoulos (National and Kapodistrian University of Athens); Mr. Andreas Georgopoulos, Data & AI Director at Accenture; and Dr. Era Taufik, researcher at the Hellenic Pasteur Institute.

FIND US @

ΚΥΡΙΑΚΗ 21 ΔΕΚΕΜΒΡΙΟΥ WORKSHOPS: **ATHENS SCIENCE FESTIVAL 2025**
athens-science-festival.gr

16:30
«Όλα λαλείς»: η Τεχνητή Νοημοσύνη μαθαίνει ελληνικές διαλέκτους
12+ ΕΤΩΝ - ΙΕΛ & ΑΡΧΙΜΗΔΗΣ & ΕΚ ΑΘΗΝΑ

18:00
Χριστουγεννιάτικο μυστήριο στο βουνό
8-18 ΕΤΩΝ - ΣΥΜΒΙΟΣCI-ΙΝΣΤΙΤΟΥΤΟ ΒΙΟΕΠΙΣΤΗΜΩΝ

Αλλαγή για τις 12.00 την Κυριακή
Χριστουγεννιάτικο νευροθέατρο:
Το πάρτι των νευροδιαβιβαστών
ΕΝΗΛΙΚΕΣ - IN VIVO NERVOUS TALES

@athens_science_festival and scicogreece

Dr. Era Taufik's contribution centered on the contemporary scientific understanding of memory and perception, as well as on the importance of ensuring responsible and accessible public communication of neuroscience, particularly through interdisciplinary approaches that integrate scientific research with art and cultural expression.

The participation of the Hellenic Pasteur Institute in the Athens Science Festival reaffirms its commitment to the effective dissemination of scientific knowledge, the promotion of innovative science communication initiatives, and the strengthening of the relationship between the research community and society.

The Athens Science Festival – The Christmas Lab constituted a dynamic platform for the exchange of ideas, where brain science was presented in an experiential, creative, and scientifically robust manner.



Personalized Medicine and Genomic Research

- 4th National Congress of Personalized Medicine

HPI hosted the 4th National Congress of Personalized Medicine within the framework of the Genome of Greece initiative.



The Congress addressed major advances in precision medicine, including nanomedicine, pharmacogenomics, targeted therapeutic strategies, neurodegenerative disease research, liquid biopsy technologies, and artificial intelligence applications in clinical decision-making. The scientific program also included specialized workshops focusing on scientific writing, research ethics, bioscience education, and professional career development, strengthening knowledge exchange between researchers, clinicians, and industry stakeholders.

Personalized Medicine and Genomic Research

- 4th Panhellenic Conference on Personalised Medicine



The 4th Panhellenic Conference on Personalised Medicine was successfully convened at the Amphitheatre of the Hellenic Pasteur Institute in Athens from 11 to 13 December 2025. The conference was organised by REdI4Health – Research and Educational Institute for Health, the official national representative of the pan-European Genome of Europe programme, and was held under the auspices of the Ministry of Health.

During the conference, presentations were delivered that encompassed a wide spectrum of contemporary research and clinical applications in Personalised Medicine. Particular emphasis was placed on the molecular and cellular mechanisms underlying neurodegenerative disorders, including amyotrophic lateral sclerosis and Alzheimer’s disease, as well as the identification and evaluation of novel pharmacological targets.

Personalized Medicine and Genomic Research

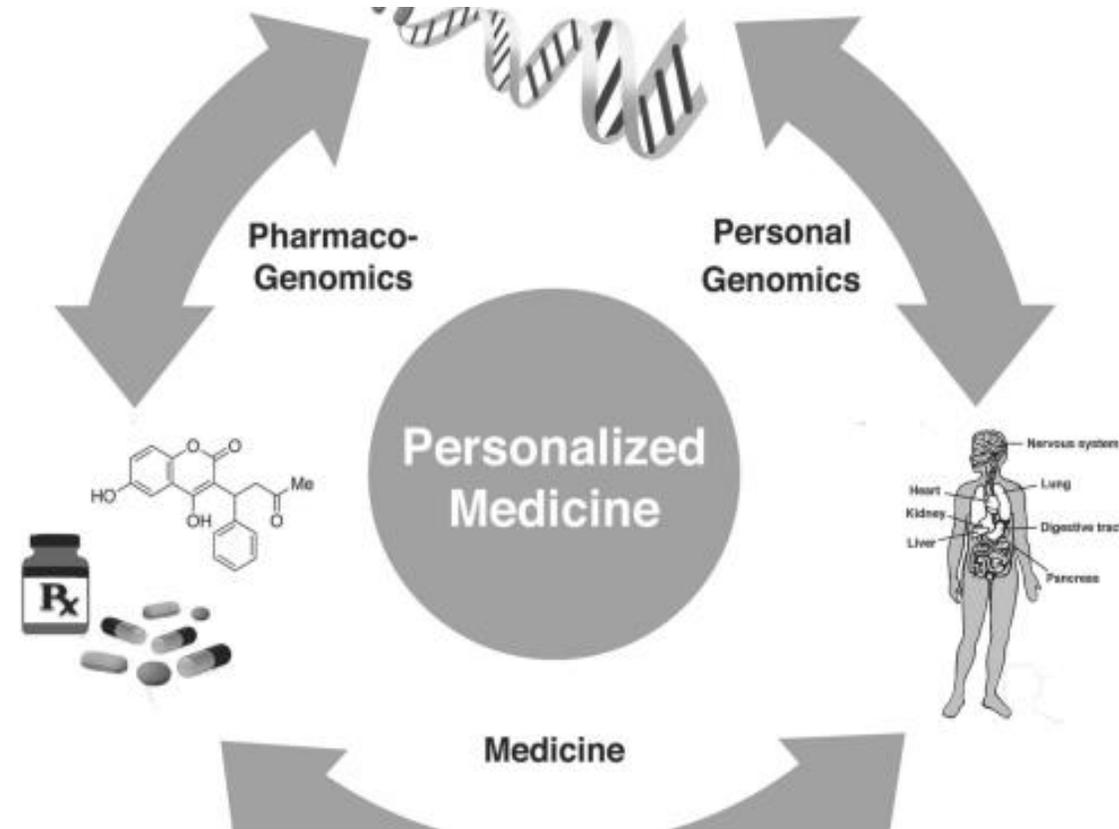
Presentations also addressed genetically guided pharmacotherapy, the importance of genetic ancestry in pharmacogenomics, and molecularly targeted approaches in oncology. Particular attention was given to the role of bioinformatics and the analysis of large-scale biomedical datasets in clinical decision-making, as well as to the integration of intelligent agent technologies within Precision Medicine.

Furthermore, the programme explored issues related to the implementation of personalized medicine in clinical practice, including health economics and the evaluation of the clinical and societal value of personalized therapeutic interventions, alongside the interface between scientific innovation and entrepreneurship, thereby reinforcing the conference's role as a central forum for knowledge dissemination, education, and collaboration within both the Greek and international research communities.



- **Genetics and Personalized Medicine Festival**

The Congress concluded with an educational outreach event designed for secondary school students. Participants engaged in hands-on DNA extraction activities and interacted with researchers, promoting early interest in biomedical sciences and genetic research.



- **Genetics and Personalized Medicine Festival**

The 4th Panhellenic Conference on Personalised Medicine concluded with the Personalised Medicine Festival, which was attended by secondary school students from both lower and upper levels of education. The students were introduced to the field of Genetics and engaged directly with early-career researchers and university students, who presented cutting-edge topics in Genetics and shared insights from their academic and scientific career pathways.





Contribution to Public Health

HPI continues to serve as a central pillar of public health in Greece through the operation of five National Reference Laboratories and strong collaboration with international organizations including the World Health Organization and the European Centre for Disease Prevention and Control. The Institute maintains close cooperation with national health authorities, contributing to disease surveillance, preparedness, and health crisis management.

The achievements of 2025 demonstrate HPI's continued progress in strengthening research infrastructure, expanding scientific collaborations, enhancing public engagement, and promoting educational excellence. The Institute remains committed to advancing biomedical research, supporting innovation, and contributing to national and global public health priorities. Future strategic objectives include expanding international partnerships, strengthening translational research capacity, supporting emerging scientific fields, and enhancing training opportunities for the next generation of researchers.



STRATEGIC OUTLOOK

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