

Brief CV

Of

Dr. Pinelopi Miniati Ph.D.

Forensic Geneticist – Molecular Biologist

Honorary Director of the Hellenic Directorate of Forensic Sciences (FSD)

Honorary Chair of the Network of Forensic Science Institutes (ENFSI)

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Dr. Pinelopi Miniati is a Biologist who holds an undergraduate (Bachelors) and a postgraduate (Masters) degree from the University of Toledo, Ohio, USA.

In 1992 she was employed by the Greek Police as a scientific staff member, while in 2002 she was awarded her Doctor of Philosophy (Ph.D) degree in the fields of Human Genetics / Molecular Biology by the Medical School of the University of Crete / Greece.

She was a founding member of the first forensic DNA Laboratory in Greece, while she made a decisive contribution to the evolution and upgrading of this Laboratory into an autonomous Department and later into a Sub-Directorate, of which she was the first Head and Director, respectively.

From 2016 to March 2022, she held the position of the Director of the Directorate of Forensic Sciences (F.S.D.), the National Forensic Agency of the Country which serves the forensic needs not only of the Greek Police but all Law Enforcement Agencies and many Independent Authorities as well.

Both as Head of the DNA Laboratories of the Hellenic Police as well as the Director of the Hellenic Directorate of Forensic Sciences, she has actively participated in highlighting the pivotal contribution of the country's forensic laboratories to the administration of Justice.

Through specialized genetic analyses, from her aforementioned positions, she organized and handled incidents of mass disaster victim identification (Disaster Victim Identification - DVI), with characteristic examples including the HELIOS airline accident in August 2005, the extensive fires in

Peloponnese in August 2007, and most recently, the wildfire in Eastern Attica (Matí) in July 2018, highlighting the significant humanitarian aspect of returning the remains of the deceased to their relatives as quickly as possible and in the most scientifically validated way.

In March 2020, she was appointed as a representative of the Hellenic Police to the Hellenic Working Group (HGT) of the Joint Committee of Experts (JET), as well as the person responsible for signing the relevant Memorandum for cooperation between the Hellenic Police/Directorate of Criminal Investigations and of the General Staff of National Defense (G.E.ETH.A.)/Hellenic Working Group of the Joint Committee of Experts for the implementation of the project of genetic identification of Greeks Fallen in Military Operations during the Greco-Italian War 1940-41.

In April 2020, she was also appointed as a point of contact between the Greek Police and the International Committee on Missing Persons (ICMP), regarding an initiative undertaken by the said committee regarding the detection and identification of missing migrants/refugees due to migration flows in the Mediterranean.

In May 2021, she took over the Presidency (Chairperson) of the European Network of Forensic Science Institutes (ENFSI), after her two-year term as Chair Designate of the said Association. ENFSI with its 17 working subgroups covering the entire range of forensic fields and its 2 Standing Committees for Research & Development, Quality & Competence, is the main advisory body of the European Committee on Forensic issues, while representing 73 Forensic Services / Institutes from 39 member countries of the Council of Europe.

From 2003 and onwards, either as a Professor in the Police Academy -including the Continuing Education Programs for Senior and Senior Executives of the Hellenic Police -, or as speaker in a number of educational Programs organized by different Organizations and as a Lecturer in University Institutions of the Country, she has developed thematic topics in the subjects of Forensic Genetics and Forensic Sciences /Applied Criminology.

She has participated as a Speaker /Lecturer in numerous Conferences, Workshops etc both in Greece and abroad and she has been involved in a number of research projects.

## Specifically:

### **Teaching Experience**

- She has been appointed Professor in the field of Human DNA Genetic Analysis and Forensic Science since 2003:
  - at the National School of Security Studies - Continuing Education Programs for Senior Officers and Executives of the Hellenic Police and the broader Public Sector,
  - at the Department of Professional Continuing Education Studies of the Hellenic Police personnel,
  - in the Hellenic Police Officers Academy - course 'Scientific Police' as well as
  - at the Hellenic Coast Guard Academy,

She has also been appointed a Lecturer,

- In a series of Postgraduate Programs in the Medical Schools of Athens and Thessaloniki.

### **Publications:**

- Loss of heterozygosity on chromosomes 1, 2, 8, 9 and 17 in cerebral atherosclerotic plaques. **Miniati P**, Sourvinos G, Michalodimitrakis M, Spandidos DA. *Int J Biol Markers*. 2001 Jul-Sep;16(3):167-71.
- “Internal validation of the 7500 Real Time PCR System for use in forensic casework in Hellenic Police” P. Miniati *et al.*, *Forensic Science International: Genetics Supplement Series 1* (2008) 44-47.
- Kondili A., Miniati P. Prenatal samples used as DNA evidence in rape cases, 24 Congress of the International Society for forensic genetics, 29 August – 03 September 2011, Vienna, Austria (Abstract/poster).
- Genetic population study of 11 Y chromosome STR loci in Greece. Katsaloulis P, Tsekoura K, Vouropoulou M, **Miniati P**. *Forensic Sci Int Genet*. 2013 May;7(3):e56-8.
- “A global analysis of Y-chromosomal haplotype diversity for 23 STR loci”, Lutz Roewer et al., *Forensic Science International:Genetics*, 2014 Sep; 12(100): 12–23.
- RNA/DNA co-analysis from human skin and contact traces--results of a sixth collaborative EDNAP exercise. Haas C et al, *Forensic Sci Int Genet*. 2015 May;16:139-147.
- NGMSElect™ and Investigator(®) Argus X-12 analysis in population samples from Albania, Iraq, Lithuania, Slovenia, and Turkey. Poulsen L, Tomas C, Drobnic K, Ivanova V, Mogensen HS, Kondili A, **Miniati P**, Bunokiene D, Jankauskiene J, Pereira V, Morling N. *Forensic Sci Int Genet*. 2016 May;22:110-112.
- White light reflectance spectroscopy biosensing system for fast quantitative prostate specific antigen determination in forensic samples. Koukouvinos G, Metheniti A, Karachaliou CE, Goustouridis D, Livaniou E, Misiakos K, Raptis I, Kondili A, **Miniati P**, Petrou P, Kakabakos S. *Talanta*. 2017 Dec 1;175:443-450.
- “Implementation of DNA analysis in the Greek legal system”, P. Miniati, ISBN978-960-445-437-2 (book chapter).

### ***Presentations at international conferences:***

- 29-30/10/2015, Barcelona, Spain 2nd Conference on the management and identification of unidentified decedents in the European Mediterranean region, Organized by the International Committee of Red Cross (ICRC).
- 14-15/06/2016, Berlin, Germany, Title: "Migrant fatalities, Identification and Data 2016 - Strengthening data systems", Organized by the International Organization of Migration (IOM).
- 29-31/01/2017, Kuwait, First International Forensic Conference: 'Towards improving forensic education and practice in the Middle-East' (Human Identification), organized by the Department of Pathology of the School of Pharmacy at the University of Kuwait in collaboration with the Arab Union of Forensic Sciences and Toxicology (AUFT), delivered a presentation titled 'Forensic Science and Humanitarian Identification'."
- 7-9/11/2017, Bucharest, Romania, Global Initiative to Combat Nuclear Terrorism (G.I.C.N.T.), exercise named 'Olympus Reloaded', focusing on Nuclear Forensics, organized by the Ministry of Foreign Affairs after an invitation by the Embassy of Romania in Greece, participated as a panelist
- 13-14/06/2019, The 2nd Meeting of the Initiative for Missing Migrants in the Mediterranean, organized by the International Commission of Missing Persons (ICMP), held in The Hague, Netherlands, where she participated as a speaker

### ***Presentations in Greece:***

- 24/1/2009, Rhodes, Seminar: 'Forensic expertise as a fundamental institution of criminal law,' Lecture titled: 'The use of DNA analysis in the context of justice - Forensic use of DNA analysis.'
- 19-20/2/2010, Athens, 4th Biology Symposium: "Biology meets modern society", organized by the Panhellenic Association of Bio-scientists in collaboration with the Prefecture of Piraeus, Lecture titled: "Forensic Genetics - DNA as a tool for innovative and scientific investigation of criminal acts.
- 14/3/2011, Athens, Conference on Deviant Behaviors Against or Involving British Citizens in Tourist Areas: 'Handling Sexual Crime Cases', organized in cooperation with Greek and British Prosecution Authorities, Speaker..
- 11-12/11/2011, Athens, Interdisciplinary Conference: "Chemistry and Molecular Biology in the Service of Law and Justice", organized by the Hellenic Society of Clinical Chemistry and Clinical Biochemistry (HSCCB), Lecture entitled: "DNA Analysis"
- 14/10/2014, The Athens Law Library, Scientific Conference: "DNA Analysis in Criminal Proceedings",
- 6/11/2014, Athens, 1st National Disaster Victim Identification Meeting, co-organized by Hellenic Police - INTERPOL - International Committee of the Red Cross (ICRC), Chairperson, Presentation titled: 'DNA analysis & Centralized DNA Database: *useful tools in DVI and others relevant cases*'.
- 19/02/2016, Athens (Old Parliament), Event: 'Economy - Terrorism', organized by the International Lions Clubs Organization, Topic 117A, Lecture titled: 'DNA Analysis and Terrorism'. 04/10/2016, Athens, Seminar: "Proper practices for the identification of unknown human remains, with emphasis on data management", organized by the Hellenic

- Society of Forensic Sciences in collaboration with the International Committee of the Red Cross (ICRC), Speaker, Chairperson
- 21-23/10/2016, 3rd Panhellenic Conference of the Forensic Service of Lamia: "Revisionary Conference of the State Forensic Service", organized by the Forensic Service of Lamia, Presentation entitled "The State Forensic Service - The need for harmonization of Forensic Acts for the optimal utilization of scientific evidence by all collaborating Bodies"
  - 2/11/2016, Athens, City University of London Alumni event: Presentation of findings and final reports of the research program "Mediterranean Missing", organized by Joseph Kovra, Associate Professor of Political Science & Collaborating Member of the research program, Presenter.
  - 19/12/2016, Athens, KEMEA Anniversary Events: "10+1 Years of Research and Innovation", organized by KEMEA, Presenter in the section: Development of Collaborations at National and International Level.
  - 13-14/1/2017, Athens, Scientific Conference "Violent Crime in the 21st Century", organized by the Hellenic Society of Criminology, Lecture entitled: "The contribution of applied criminology/ forensics to the investigation of violent crimes - The work of the Directorate of Forensic Sciences in Greece".
  - 26/5/2017, Athens, SECURITY PROJECT Conference: Scientific & Operational Approach, organized by the magazine "SECURITY MANAGER", Lecture entitled: "The Contribution of Modern Scientific and Technical Forensic Methods to the Work of Security Service Providers".
  - 10/6/2017, Athens, 2nd Conference: "Advancements in Forensics and their Contribution to Criminal Proceedings", organized by the Hellenic Society of Criminology, Presentation titled: "Advancements in Forensics and their Contribution to Criminal Proceedings"
  - July 12, 2017, Athens, Tabletop Exercise with the code name "Typhoon 2017" / Issues of Response of Hellenic Police Services at Regular, Operational and Strategic Level, during the Dynamic Escalation Phase, organized by ES.KE.DI.K./A.E.A. in collaboration with KEMEA, Exercise Player
  - July 14-16, 2017, Kavala, TEDxkAVALA event, organized by TEDxkAVALA, Presentation titled: "DNA: A Lighthouse in a Life Journey to Forensic Sciences"
  - 06-11/10/2017, Rhodes, 7th International conference: "MANAGEMENT of DISASTER VICTIMS", organized by the postgraduate program "International Medicine - Health Crisis Management" of the Medical School of the University of Athens, Exercise Observer.
  - 02/11/2017, Athens, Seminar: "National Disaster Management Strategy and Interdisciplinary Approach to the Identification of Unidentified Persons", organized by the International Committee of the Red Cross (ICRC) and the Laboratory of Forensic Medicine and Toxicology of the Medical School of the National and Kapodistrian University of Athens (NKUA), Chairing the Round Table.
  - 4-5/11/2017, Piraeus, Seminar: "Medical liability in the daily operation of the Emergency Department", organized by the Emergency Department of the General Hospital of Nikea Piraeus "Agios Panteleimonas" and the Medical Association of Piraeus in collaboration with the Forensic Service of Piraeus and the Hellenic Society of Emergency Medicine, Chairman of the Round Table.
  - 22/11/2017, Athens, 2nd Multithematic Conference: "Critical Situations for Health and Safety", organized by the Central Medical Offices of Athens / Health Directorate and the Hellenic Society for Crisis Management in the Health Sector, Speaker at the Round Table: "New Forms of Terrorism - Recognition of Victims".

- 1/11/2018, Komotini, Academic Event: "Criminal Sciences from Theory to Practice", organized by European Law Students' Association (ELSA) / School of Law, University of Komotini, Lecture titled: "Major forms of crimes that concern the Greek authorities and the system of crime investigation (forensic science)".
- 19/11/2019, Athens, Event of the Rotary Club "Athens-Lykavittos", Presentation titled: "The Application of Human Genetic Laboratory Methods in Forensic Investigation".