

Chrysoula Perdikogianni, M.D., PhD

Medical School University of Crete

Department of Pediatrics & Laboratory of Child Health

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Current position

Associate Professor of Pediatrics

Medical School University of Crete

Education – Posts – Experience

2025-present: Associate Professor of Pediatrics, Medical School University of Crete (April 2025)

Attending Physician, Department of Pediatrics, University Hospital of Heraklion, Crete

- Clinical, research, teaching duties, care of patients, inpatients and outpatients, with acute and chronic pediatric conditions
- Scientific responsible of the Pediatric Immunology Outpatient Clinic, Department of Pediatrics, University Hospital of Heraklion, Crete. Care of patients with pediatric autoimmune, autoinflammatory and rheumatic diseases
- Head of the Research Laboratory of Child Health, Medical School University of Crete
- Head of Academic Board of MSc Program "Vaccines and Prevention of Infectious Diseases" since 2024, academic responsible for the modules "Vaccines in Practice", "Physiology and Immunology of vaccines", "Safety and effectiveness of vaccines" since 2016
- Academic supervision and teaching for undergraduate students during their 8-week clinical service at the Department of Pediatrics Medical School, University of Crete
- Academic responsible for the module "Pediatrics" 8th semester of the Postgraduate Program of the Medical School University of Crete

2018-2025: Assistant Professor of Pediatrics, Medical School University of Crete

Attending Physician, Department of Pediatrics, University Hospital of Heraklion, Crete

- Clinical, research, teaching duties, care of patients, inpatients and outpatients with acute and chronic pediatric conditions including autoimmune, autoinflammatory and rheumatic diseases.
- Scientific responsible and attending physician of the Pediatric Immunology Outpatient Clinic, Department of Pediatrics, University Hospital of Heraklion, Crete
- Academic responsible of the Day Care Clinic of patients with chronic diseases, Department of Pediatrics, University Hospital of Heraklion, Crete
- Academic supervision and teaching for undergraduate students during their 8-week clinical service at the Department of Pediatrics Medical School, University of Crete
- Faculty and member of Academic Board of MSc Program "Vaccines and Prevention of Infectious Diseases", academic responsible for the modules "Vaccines in Practice", "Physiology and Immunology of vaccines", "Safety and effectiveness of vaccines"

2013-2018: Lecturer of Pediatrics, Medical School University of Crete, Department of Pediatrics, University Hospital of Heraklion, Crete. Research, educational and clinical duties

2008-2013: Attending Physician, Department of Pediatric Hematology-Oncology, University Hospital of Heraklion, Crete

2004-2007: Academic staff, Research Laboratory of Pediatric Hematology-Oncology, Medical School University of Crete, with primarily research and educational/teaching duties

2003: Official Pediatric Exams after completion of 4 years of specialization in Pediatrics

2002-2003: Residency in Pediatrics, First Department of Pediatrics, National and Kapodistrian University of Athens, University Children's Hospital "Agia Sophia", Athens, Greece

2002: Doctoral Thesis, Medical School, University of Crete, with excellence. Title "Study of hemopoiesis in neonates, infants and children. The effect of cytokines in chronic benign neutropenia of infancy and childhood" (supervision of Professor M. Kalmanti)

1999-2002: Research Fellow, Department and Research Laboratory of Pediatric Hematology-Oncology, Medical School University of Crete

1997-1999: Residency in Pediatrics, Department of Pediatrics, General Hospital of Chania, Crete

1995-1996: Compulsory rural service after completion of medical studies

1994: Medical Degree, Department of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece

Continuing Training

October 2023-June 2024: Visiting Professor, Pediatric Rheumatology Unit, 3rd Department of Pediatrics University of Athens, University Hospital "Attikon", Athens Greece

March 2023-April 2023: Sabbatical, Rheumatology and Immunology, Boston Children's Hospital, Harvard Medical School, Boston USA

June 2016-September 2016: Sabbatical, Clinical attachment, Department of Pediatric Immunology, Great Ormond Street Hospital for Sick Children London, UK.

Active participation in the educational program and completion of the research project "BCG complications in patients with primary immunodeficiencies undergoing stem cell therapy/thymic transplan" that was presented at the Meeting of the European Society for Immunodeficiencies, Edinburgh 2017

2015-2016: Clinical attachment and research, National Referral Center for Primary Immunodeficiencies in Greece, University Children's Hospital "Agia Sophia", Athens

Nov 2014-Dec 2014: Visiting Scholar, Department of Pediatric Immunology, Allergy and Infectious Diseases & Bone Marrow Transplant Unit, Great North Children's Hospital Newcastle upon Tyne, UK

July 2001: Visiting Researcher, Department of Hematology, St George's Hospital London UK, European Research Grant "Leonardo Da Vinci" 2001-2002

Education

1994: Medical Degree, Department of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece

2002: Doctoral Thesis, Medical School, University of Crete, with excellence. Title "Study of hemopoiesis in neonates, infants and children. The effect of cytokines in chronic benign neutropenia of infancy and childhood" (supervision of Professor M. Kalmanti)

2003: Official Pediatric Exams after completion of 4 years of specialization in Pediatrics

Research activities

- Previous and ongoing clinical and laboratory research projects include studies on inflammation and the bone marrow microenvironment, mesenchymal, endothelial and cord blood cells in hematological & immunological, autoinflammatory and rheumatic diseases, clinical studies on vaccines and vaccine

response in vulnerable patient groups, immunology of vaccine responses, vaccines in immunocompromised children, climate change and its effects on health of children.

- Funding for research projects (laboratory and clinical) from National and European sources.
- Principal Investigator of a multicenter European Research Program (Horizon 2021) on climate change and the effect on health of children

Publications

<https://pubmed.ncbi.nlm.nih.gov/?term=Perdikogianni%20C%20OR%20Perdikoyanni%20C>

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Research Grants (Principal Investigator)

2006: Research Grant "Isolation, characterization and expansion of mesenchymal stem cells from bone marrow haematopoietic progenitor cells in children for potential use in pediatric diseases" Procter & Gamble annual grant for scientific research in the field of Paediatrics

2014: Educational grant, European Society of Pediatric Infectious Diseases for participation in the Walter Marget Educational Workshop during the 32nd ESPID congress May 2014, Dublin

2014-2015 "Vitamin D and susceptibility to infections" Research Committee University of Crete

2018: Educational grant, 36th European Society Pediatric Infectious Diseases Annual Meeting ESPID

2024 Grant for research dissemination at the Pediatric Rheumatology European Society 2024, Research Committee University of Crete

2022-2027 European Project HORIZON 2021 "Solutions for mitigating climate induced health threats"

Research Grants (Researcher)

Oct 1996–Mar 1997 "Cord Blood Transplantation in solid tumors and haematologic malignancies in childhood" General Secretariat of Research and Technology

2000 "Study of pathogenesis of chronic neutropenia of childhood" University Hospital of Heraklion, Crete

2001-2002 "Holistic approach of paediatric cancer. Training of personnel for a Bone Marrow Transplantation Unit European Union Training Program" "Leonardo da Vinci 2001-2002"

2005-2006 Clinical study "A partially blind, randomized phase II study for immunogenicity, reactogenicity and safety of four different formulations of conjugated vaccine of GlaxoSmithKline (GSK) Biologicals with meningococcus A, C, W-135 and Y and tetanus toxoid (MenACWY-TT) versus the conjugated vaccine MenC-CRM₁₉₇ or MENCEVAX™ ACWY when administered in one dose in children aged 12 to 14 months and 3 to 5 years"

2007-2008 "Study of in vitro transformation and ageing of mesenchymal stem cells from bone marrow of children for safe clinical use" Research Committee University of Crete

2007-2008 Clinical Study "An open multicentre study for the safety of two schedules of 2 doses of the combined vaccine of measles-mumps-rubella and varicella (ProQuad) which is produced from recombinant human albumin when administered during the second year of life"

2010-2011 "Study of the role of endothelial cells in acute leukemia and other malignant or not *και* haematological diseases in children" Research Committee University of Crete

2010-2011 "The role of asparagine synthetase from mesenchymal stem cells from bone marrow in the treatment outcome of acute lymphoblastic leukemia of childhood" Research Committee University of Crete

2014-2017 Clinical Study "A multicentre, randomised double-blinded, comparative study for the assessment of effectiveness, safety and pharmacokinetics of daptomycin versus an effective comparative agent in paediatric patients with acute haematogenous osteomyelitis due to Gram positive organisms"

2014-2015 "Molecular epidemiology of *Staphylococcus aureus* in children" Research Committee University of Crete

2017 «Molecular analysis of the hepatitis B virus in mother-child pairs" Research Committee University of Crete

2017-2022 European Project LIFE+2016 "Mitigating the Effects of Desert dust storms using Exposure-Reduction Approaches (LIFE+MEDEA)"

2025: Program ERDERA (European Rare Diseases Research Alliance), Horizon, part of the team of the Medical School of the University of Crete

2022-2027 European Project HORIZON 2021 "Solutions for mitigating climate induced health threats"

Foreign Languages

- Certificate of Proficiency in English, University of Cambridge
- Diplôme d' études Françaises 2ème degré, Université de Paris Sorbonne, Paris IV

Academic activities

- Head of the Laboratory of Child Health Medical School University of Crete (since 2025)
- Head (since 2024) & Faculty (since 2016) of Academic Board of MSc Program "Vaccines and Prevention of Infectious Diseases" Medical School, University of Crete
- Member of the Undergraduate Studies Committee, Medical School University of Crete
- Member of the Committee for the Child Rights of the University of Crete (since 2025)
- Member of Organizing Committees of several academic meetings
- Invited speaker in national and European conferences
- Reviewer for Scientific Reports, BMC Pediatrics, Pediatric Rheumatology, Vaccines, Pathogens Medicina, Eur J Clinical Microbiology and Infectious Diseases
- Invited lectures in two MSc Programs, one at the Medical School of the University of Crete and another at the Medical School of the National and Kapodistrian University of Athens
- Supervision of 20 completed MSc theses, 2 ongoing and 6 PhD candidates (2 as principal supervisor).