

LABORATORY NAME	Pediatric Research Laboratory (PRL)
POSTAL ADDRESS	55, Phidippidou St., PC 11527, Athens, Greece
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LABORATORY DIRECTOR'S NAME	Ioanna D. Pavlopoulou, Assistant Professor of Pediatrics - Infectiologist

Head of the Pediatric Research Laboratory- Brief CV

Ioanna D. Pavlopoulou obtained her M.D at the University of Athens, Greece. During her training in Pediatrics she undertook posts in Sheffield and Nottingham Health authorities of the U.K and, when back in Greece, in "Aghia Sophia" Children's Hospital in Athens. She then trained in Pediatric Infectious Diseases in the 1st Dept of Pediatrics, University of Athens where she was boarded. She obtained her PhD at the same University and was appointed by the Hellenic Center for Disease Control and Prevention (1996-2006) and then (2006-2010) by the University of Athens, Faculty of Nursing as a Lecturer in Pediatrics. At present, she is holding the post of Assistant Professor in the same department. Her special interests concern pediatric infectious diseases and vaccinology. She is a board member of the Hellenic College of Pediatrics and one of the Greek network experts leading the <http://www.infovac.gr> web site, a site providing answers concerning vaccine-related questions as well as regular newsletters, in collaboration with Infovac of Switzerland (<http://www.infovac.ch>).

HISTORY

The Pediatric Research Laboratory (PRL) of the Nursing Faculty, University of Athens started its projects in December of 1998 and was officially founded on the 6th of April, 2001 (according to the Official Government Paper 66/6-4-01) by the Professor of Pediatrics, C.S. Bartsocas who was the Director until 8/2004. Afterwards the PRL was directed by Prof. I. Androulakis (9/2004-9/2010), and Associate Professor of Pediatrics K. Tsoumakas (9/2010 – 10/2011). Since 10/2011, the director is Assistant Professor of Pediatrics -infectious disease specialist Ioanna Pavlopoulou.

The PRL has participated in International and Greek research programmes and has contributed in pre- and post-graduate research programmes in collaboration with local and European Universities.

LABORATORY PERSONNEL

Name	Degree	Tel.Nr/Fax	e-mail
Teaching and Research Staff			
Ioanna Pavlopoulou	Director -Assistant Professor of Pediatrics – Infectiologist	210 7713605	idpavlopoulou@yahoo.gr idpavlop@nurs.uoa.gr
Konstantinos Tsoumakas	Associate Professor of Pediatrics	210- 7461465	ktsoumak@nurs.uoa.gr
Vasiliki Mantziou	Associate Professor of Pediatric Nursing	210 7461482	vmatziou@nurs.uoa.gr
Evangelos Bozas	Biologist PhD, Laboratory Supervisor	210 7713605	ebozas@nurs.uoa.gr
Associated Teaching and Research Staff			
Margarita Giannakopoulou	Assistant Professor in Fundamentals Nursing	210 7461480	mgiannak@nurs.uoa.gr
Phd Candidate Students			
Foteini Andrisou, Varvara Boutopoulou, Aggeliki- Athina Derdemezi, Evangelos Dousis, Konstantina Giameou, Christina Ioannidou, Evanthia Konstantaki, Iphigenia kotsia, Ioanna Magaziotou, Foteini Mavridou, Koralia Mihail, Marsela Tanaka, Antigoni Triantafillidou, Maria Tsirouda, Dionysia Tsoukala, Efrosini Vlahioti.			

Secretariat

Evangelos Bozas

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CURRICULUM

(Courses supported by Academic Personnel of the Laboratory)

Undergraduate Program (2011 - 2012)
<p><u>PEDIATRICS</u></p> <p>K. Tsoumakas.: a) Pediatrics, b) Pediatric Accidents & Poisoning, c) Therapeutics, d) Emergency Medicine</p> <p>I Pavlopoulou.: a) Pediatrics, b) Therapeutics, c) Travel Health</p> <p><u>PEDIATRIC NURSING</u></p> <p>V. Mantziou: a) Pediatric Nursing, b) Renal Nursing, c) Nursing problems of children with chronic illness</p>
Postgraduate Program 2011-2012

K. Tsoumakas.:

1. a) Childhood Cancer b) Pediatric Pharmacology c) Emergency Pediatrics d) Management of crisis, massive disasters and emergency situations
2. Clinical training of post-graduate students in Pediatric Nursing at “P&A Kyriakou” Children's Hospital.

V. Matziou.:

1. a) Childhood nursing problems, b) Childhood cancer
2. Clinical training of post-graduate students in Pediatric Nursing at “P&A Kyriakou” Children's Hospital.

I. Pavlopoulou.:

1. a) Signs and symptoms in Pediatrics b) Community Pediatrics, c) Intercultural Nursing d) Prevention of Infections in special patient groups
2. Clinical training of post-graduate students in Pediatric Nursing at “P&A Kyriakou” Children's Hospital.

Laboratory techniques performed at the Pediatric Research Laboratory.**Molecular methods**

1. PCR-RFLPs method
2. Typing of alleles by Time Resolved Fluorometry (TRF) method
3. RT-PCR (reverse transcription-polymerase chain reaction) method for the detection of genes expression.

Serology

1. Detection of serum proteins and antibodies levels by ELISA method.
2. Detection of plasma antibodies by radio immunoprecipitation method

Immunology blood tests

1. Quantification of interferon γ released from sensitized lymphocytes with purified protein derivative (PPD) from *M. Tuberculosis* (QuantiFERON-TB Gold).

RESEARCH PROJECTS**FUNDED**

2011: “Infectious disease screening in immigrant and refugee children” (Funded by Special Account for Research Grants of UOA, SD: I. Pavlopoulou, Assist. Professor of Pediatrics)

2011: “Comparative evaluation of substance p and neuropeptide Y levels in serum of critically ill patients with acute pain” (Funded by Special Account for Research Grants of UOA, SD: M. Giannakopoulou, Assist. Professor of Fundamentals of Nursing)

2011, 2009, 2007: “Genetic predisposition indicators of diabetic retinopathy in children and adults.” (Funded by Special Account for Research Grants of UOA, SD: I. Androulakis, Professor of Pediatrics).

2009-2011: «The Effects of Guided Imagery and Progressive Muscle relaxation Intervention in Cancer Patients» (Funded by Cyprus University of Technology, SD: A. Charalampous, Lecturer)

2009: “Influence of local antimicrobial agents in childhood burns.” (Funded by Special Account for Research Grants of UOA, SD: K. Tsoumakas, Assoc. Professor of Pediatrics).

2009, 2007: “Immunity against vaccine preventable diseases among health care students” (“Kapodistrias” Program of UOA SD: I. Pavlopoulou, Lect. of Pediatrics)

2005- 2008. “Intelligent Insulin Infusion System for Diabetics (SMARTDIAB)” (Operational Program of Competitiveness and Entrepreneurship (OPCE) of the General Secretariat for Research and Technology (GSRT), under the OPCE of the 3rd Community Support Framework, Measure 4.5, Action 4.5.1, Funded by GSRT, SD: D. Anastasopoulos, Professor of Physiology).

2005: “Correlation of polymorphisms of the CTLA-4 and insulin genes and risk of Diabetes Mellitus Type 1.” (“Kapodistrias” Program of the UOA, SD: I. Androulakis, Professor of Pediatrics).

2002: “Detection of immunological and genetic markers of Diabetes Mellitus Type 1 in the umbilical cord blood of newborns.” (“Kapodistrias” Programme of the UOA, SD: C. Bartsocas, Professor of Pediatrics).

2001 - 2005. “Enterovirus infections as a risk factor for Type 1 Diabetes”. (Polycentric EU program, EU Funded, SD: C. Bartsocas, Professor of Pediatrics).

2001-2004. “Development of new a clinical method for prenatal diagnosis and prevention of recessive diseases -application on b-thalassemia” (Program for the Development of Industrial Research and Technology Project (2000), Funded by the (GSRT), number code OOB 146. SD: C. Bartsocas, Professor of Pediatrics).

2001: “Detection of genetic markers for susceptibility to Diabetes Mellitus Type I in a dried blood drop.” (Funded by Greek Endocrinological Society, SD: C. Bartsocas, Professor of Pediatrics).

1999-2001. “Genetic and Immunological Prediction of Insulin-Dependent Diabetes Mellitus”. (Polycentric Program Dipp Demo of the EU, EU Funded, SD: C. Bartsocas, Professor of Pediatrics).

NOT FUNDED

2012: "Comparative study of TV viewing between hospitalized and healthy children" SD: V. Matziou, Assoc. Professor of Pediatric Nursing

2011: "Pediatric viral infections following Hematopoietic **stem cells** transplantation " SD: K. Tsoumakas, Assoc. Professor of Pediatrics.

2011: "Comparative study of medication administration procedure evaluation between children's and adult's hospital" SD: V. Matziou, Assoc. Professor of Pediatric Nursing

2011: "Electrophysiological sleep study in children with childhood absence epilepsy" SD: K. Tsoumakas, Assoc. Professor of Pediatrics.

2011: "Blood lead levels among Greek and newly arrived immigrant children" SD: I. Pavlopoulou, Assist. Professor of Pediatrics

2011: "Investigation of children's and parents' opinions about painful lived experience during hospitalization and how it affected their Quality of life" SD: V. Matziou, Assoc. Professor of Pediatric Nursing

2011: "Consumption of over the counter medication among pediatric community patients" SD: I. Pavlopoulou, Assist. Professor of Pediatrics

2010/11: "Prevalence and risk factors for the development of herpes zoster among renal transplant patients" SD: I. Pavlopoulou, Assist. Professor of Pediatrics

2010/11: "Hygiene measures promotion for flu pandemic in public nurseries" SD: I. Pavlopoulou, Assist. Professor of Pediatrics

2010: "Quality of life evaluation in children and adolescents with cancer during therapeutic phase and upon its completion". SD: V. Matziou, Assoc. Professor of Pediatric Nursing.

2010: "Quality of life comparative study between children and adolescents with type 1 diabetes mellitus and healthy matched controls" SD: V. Matziou, Assoc. Professor of Pediatric Nursing

2010: "Study of viral infections in preschool children" SD: V. Matziou, Assoc. Professor of Pediatric Nursing

2010: "Detection of respiratory virus in preschool children and association with passive smoking and atmospheric pollutants." SD: K. Priftis, Assist. Professor.

2009/11: "Immunization coverage and predictive factors for complete and age appropriate vaccination among preschoolers in Athens, Greece" SD: I. Pavlopoulou, Assist. Professor of Pediatrics

2009/11: "Assessment of posttraumatic stress in parents with hospitalized children for burn disease." SD: K. Tsoumakas, Assoc. Professor of Pediatrics.

PUBLICATIONS IN INTERNATIONAL JOURNALS (selected)

1. C. Ioannidou, P. Galanis, K. Tsoumakas & ID Pavlopoulou. Characteristics of dog bites among nursing students and knowledge about their emergency management. *International Nursing Review*. 2012 (Dec. 8th, 2011: early view of online PDF offprint).
2. Matziou V, Tsoumakas K, Vlahioti E, Chrysiopoulou L, Galanis P, Petsios K, Perdikaris P. Factors that influence the quality of life of children with Diabetes. *J Diabetes*. 2011, 3(1): 82-90.
3. Mougiakakou, S.G., Bartsocas, C., Bozas, E., Chaniotakis, N., Iliopoulou, D., Kouris, I., Pavlopoulos, S., Prountzou, A., Skevofylakas, M., Tsoukalis, A., Varotsis, K., Vazeou, A., Zarkogianni, A., Nikita, K.S. "SMARTDIAB: A Communication and Information Technology Approach for the Intelligent Monitoring, Management and Follow-up of Type 1 Diabetes Patients" *IEE TITB* 2010, 14 (3), 622-633.
4. Vlahioti E, Petsios K, Boutopoulou B, Chrisostomou A, Galanis P, Matziou V. Assessment of self-reported self-esteem in healthy and diabetic children and adolescents in Greece. *J Diabetes* 2010, 2(2):104-11.
5. Elefsiniotis IS, Brokalaki H, Tsoumakas K, Vezali E, Glynou I, Saroglou G. Current vaccination coverage against hepatitis B among pregnant women in Greece: far away from the ideal target. *Eur J Obstet Gynecol Reprod Biol*. 2010, 152(2): 227-228.
6. Sypsa V, Pavlopoulou ID, Hatzakis A. Use of an inactivated vaccine in mitigating pandemic influenza A (H1N1) spread: a modelling study to assess the impact of vaccination timing and prioritisation strategies. *Eurosurveill*. 2009, 14(41):19356.
7. Pavlopoulou ID, Daikos GL, Tzivaras A, Bozas E, Kosmidis C, Tsoumakas K, Theodoridou M. Medical and Nursing Students with Suboptimal Protective Immunity against Vaccine-Preventable Diseases. *Infect Control Hosp Epidemiol*. 2009; 30: 1006-1011.
8. Elefsiniotis IS, Vezali E, Brokalaki H, Tsoumakas K. Hepatitis B markers and vaccination-induced protection rate among Albanian pregnant women in Greece. *World Journal of Gastroenterology*. 2009, 21:15(43): 5498-5499.
9. Perdikaris P, Merkouris A, Patiraki E, Tsoumakas K, Vasilatou-Kosmidis E, Matziou V. Evaluating cancer related fatigue during treatment according to children's, adolescents' and parents' perspectives in a sample of Greek young patients. *Eur J Oncol Nurs*. 2009, 13(5): 399-408.
10. Tsoumakas K, Doussis E, Mauridi F, Gremou A, Matziou V. Parent's adherence to children's home accident preventive measures. *International Nursing Review* 2009; 56 (3): 369-374.