

**Personal Information**

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 Nationality: Greek  
 Division of Mother and Child Health  
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**Education**

- 9/2001 – 7/2007 **M.D. Degree** (University of Crete, School of Medicine), Date Awarded: 24/7/2007, Grade "Excellent" (8.88/10) *Valedictorian in graduation ceremony*
- 9/2007 – 12/2009 **Master of Science (MSc): «Molecular Basis of Human Diseases»**  
 University of Crete, School of Medicine. Date Awarded: 12/2009, Grade Excellent 10/10
- 12/2010 – 3/2015 **PhD Diploma**, University of Crete, School of Medicine. Date Awarded: 31/3/2015.
- 9/2019 – 9/2021 **PostGrad Diploma in Paediatric Infectious Diseases**, Oxford University.
- 2/2021 – 5/2021 **Diploma in Vaccinology**, Institute of Pasteur, Paris.

**Clinical Training in Pediatrics and Paediatric Infectious Diseases****Paediatrics**

- 4/2012 – 5/2013 Clinical Training in General Pediatrics, St Nicolas Hospital, Crete, Greece.  
 Clinical Training in Paediatrics, University Hospital of Heraklion, Greece.
- 5/2013 – 07/2017 (including 9 months in total maternity leave,  
 George was born on 29 July 2013, John was born on 7 July 2015)
- 2/2018 – 1/2019 Attending Paediatrician, General Paediatric Unit, General Hospital of Rethymno, Greece.
- 3/2019 – 1/2024 Consultant Paediatrician, Department of Paediatrics, Heraklion University Hospital, Crete, Greece

**Paediatric Infectious Diseases**

- 6/2021 – 8/2021 Clinical Fellow in Paed Inf Diseases, Evelina Children's Hospital, Guy's and St Thomas' NHS Foundation Trust, London, UK
- 9/2022- 3/2023 Clinical Fellow in Paed Inf Diseases, St Mary's Hospital, Imperial NHS Foundation Trust, London, UK
- 2/2024 – 9/2024 Clinical Fellow in Paed Inf Diseases, Evelina Children's Hospital, Guy's and St Thomas' NHS Foundation Trust, London, UK.

**Basic Research Training - Experience**

- 5/2008 – 10/2008 Research Fellow, Institute of Molecular Biology and Biotechnology, IMBB/FORTH, Greece
- 11/2008– 12/2010 **Research Fellow in Paediatrics. Children's Hospital Boston, Harvard Medical School. Boston, MA, USA.**
- 12/2010 – 3/2015 PhD student – Research fellow. Laboratories of Microbiology, Clinical Chemistry and Intensive Care Medicine. University of Crete, School of Medicine, Greece.
- 9/2011 – 12/2011 **Marie Curie Research Fellowship** under TACIT program (Targeted Carriers in Immunotherapy). Bioinnovation Center, Dresden, Germany.
- 3/2015 – 8/2018 Postdoctoral Researcher, Department of Paediatrics and Inf Diseases. University of Crete, School of Medicine.
- 9/2018 - today **Principal Investigator: NeoPhages Project.** Department of Pediatrics. University of Crete, School of Medicine, Greece.

**Teaching Experience (selected)**

- Lecturer - Scholar. Teaching of the Course: **Paediatric Infectious Diseases**. University of Crete. Medical School. 10/2017-2/2018
- Lectures in the Postgraduate Program "**Vaccine and Prevention of Infections**". Medical School. University of Crete. Academic years 2016 -2018. (20 teaching hours per year). Subject: Vaccinology, Immunology, Immunity and Infections, Signaling pathways in innate immunity, Vaccines in immunocompromised, Methods of Infection Transmission, infection control in school settings.
- Tutor in ESPID Online Education - Case Rounds, December 2020, November 2018 and March 2016.
- Lectures on the undergraduate course Paediatrics (8 teaching hours per year). Subject: Laboratory investigation of infections, COVID-19 in children, Vaccines, Bacterial infections.

## Research Funding

### As principal investigator

- 2022 University of Crete (UOC) Grant Program "Host Phagocytosis pathways in sepsis in Early Life [sHaPE-LIFE]. Budget: 15000€.
- 2020 University of Crete (UOC) Grant Program: «Study of the role and function of the homeostatic molecule DEL-1 in neonatal sepsis». Budget: 1500€.
- 2018 Research Grant. Project: NeoPhageS: Neonatal Phagocyte Enhancement in Sepsis. From the Hellenic Foundation for Research and Innovation. Budget: 180.000€.
- 2017 ESPID Small Grant Award 2017: Host's phagocyte response and the management of neonatal sepsis. Part 2: autophagy related bacteria killing in phagocytic and no-phagocytic cells. Budget: 6000€.
- 2016 ESPID Small Grant Award 2016: Host's phagocyte response and the management of neonatal sepsis. European Society of Paediatric Infectious Diseases (ESPID). Budget: 6000€

## Awards and Honors

### Scholarships

- 2021 Scholarship – Fellowship to participate to Pasteur Vaccinology Program. Institut Pasteur, France.
- 2019 Scholarship from Onassis Foundation to attend the 68o Nobel Laureate Meeting, Germany
- 2017 Post –Doctoral Research Scholarship (duration 2 years) from the State Scholarship Foundation of Greece.
- 2011 Manasaki scholarship award to contact PhD studies (University of Crete). 1 year.
- 2009 Scholarship from the Public Welfare foundation "Propondis" to contact research abroad. 18 months
- 2008 3-year scholarship for graduate studies from the Greek State Scholarship Foundation
- 2007 Scholarship for graduate studies from the graduate program "Molecular Basis of Human Diseases" (University of Crete, School of Medicine). 1 year.
- 2007 Scholarship for conducting graduate studies abroad from GlaxoSmithKline pharmaceuticals.

### Awards

- 2024 **ESPID Young Investigator Award** for Basic Research, ESPID
- 2023 **Women in Science Award** for basic science, from the Greek L'Oreal – UNESCO Foundation
- 2022 Best poster presentation Award: SARS-CoV-2 modulates inflammatory responses of alveolar epithelial type II cells via PI3K/AKT pathway. 2nd AFCB-EFLM Conference "Laboratory medicine for mobile societies in our area", Heraklion, 2-5 October 2022
- 2021 Best presentation Award: Interaction of SARS-CoV-2 with ACE2 promotes suppression of IRAK-M and induction of IL6, MIP1a, AND TNF $\alpha$  expression; IRAK-M as a potential biomarker of disease severity. 19th National Congress of the Greek Society of Clinical Chemistry-Clinical Biochemistry, Athens, 4-6 November 2021.
- 2018 **Selected among the best 600 international scientists to participate in 68th Lindau Nobel Laureate Meeting, Germany.**
- 2018 Best oral presentation Award. "Enhancement of antibacterial autophagy facilitates Group B Streptococcal clearance in neonatal macrophages". ESPID. Malmo, Sweden. May 2018.
- 2018 Elidek Post-doctoral Research Grant Award as Principal investigator, Project NeoPhageS: Neonatal Phagocyte Enhancement in Sepsis. Budget 180.000€
- 2017 Second Small Grant Award. European Society of Paediatric Infectious Diseases
- 2016 Small Grant Award. European Society of Paediatric Infectious Diseases.

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| 2016 | Best presentation Award. "An infant with unusual urinary tract infection pathogen". European Society of Paediatric Infectious Diseases. Brighton. UK. May 2016.  |
| 2012 | Award "Gardiki-Kouidou" from the Hellenic Society of Biochemistry and Molecular Biology.   |
| 2007 | 1 <sup>st</sup> student in grading order at the graduation of School of Medicine, University of Crete (valedictorian, class of 102 students). Dean's List and First Rank University Graduation Honors award. |
| 2007 | "Cretan Hestia" Foundation Award, for having the 2nd greater grade among Cretan university graduates.  |

### Elected Member of Scientific Societies

1. Elected as Young ESPID Board Representative, 2023-2026
2. Elected as Young ISSAD society (International committee for International Symposium on Streptococcus agalactiae) και της οργανωτικής επιτροπής του συνεδρίου ISSAD, Global Conference in Group B Strept 2023, <https://www.issad.org/young-issad-committee/>
3. Elected as Young ESPID Representative of Committee of Education, 2019 -2021, ESPID
4. Member of the organizing committee of Paediatric Infectious Diseases Seminars, in Heraklion Crete
5. Young Member of European Society of Paediatric Infectious Diseases (ESPID)
6. Member of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID), Hellenic Society of Paediatric Infectious Diseases, Hellenic Bioscientific Association of the USA, Marie Curie Alumni Association (MCAA)
7. Member of BPAIIG: British Paediatric Allergy, Immunity and Infection Group

### Published Work

**A total of 45 publications (PubMed).**

**List of Published Work (PubMed):** <https://pubmed.ncbi.nlm.nih.gov/?term=vergadi+e&sort=pubdate>

(Scopus Metrics: Citations: **3051**, h-index: **16**)

### List of publications

1. **Vergadi E**, Kolliniati O, Lapi I, Ieronymaki E, Lyroni K, Alexaki VI, Diamantaki E, Vaporidi K, Hatzidaki E, Papadaki HA, Galanakis E, Hajishengallis G, Chavakis T, Tsatsanis C. An IL-10/DEL-1 axis supports granulopoiesis and survival from sepsis in early life. *Nat Commun*. 2024 Jan 23;15(1):680.
2. Berdiaki A, **Vergadi E**, Makrygiannakis F, Vrekoussis T, Makrygiannakis A. Title: Repeated implantation failure is associated with increased Th17/Treg cell ratio, during the secretory phase of the human endometrium. *J Reprod Immunol*. 2024 Feb;161:104170.
3. Liang OD, Mitsialis SA, Chang MS, **Vergadi E**, Lee C, Aslam M, Fernandez-Gonzalez A, Liu X, Baveja R, Kourembanas S. Mesenchymal stromal cells expressing heme oxygenase-1 reverse pulmonary hypertension. *Stem Cells*. 2011;29:99-107. doi: 10.1002/stem.548.
4. **Vergadi E**, Chang MS, Lee C, Liang OD, Liu X, Fernandez-Gonzalez A, Mitsialis SA, Kourembanas S. Early macrophage recruitment and alternative activation is crucial for the development of hypoxia-induced pulmonary hypertension. *Circulation*. 2011;123:1986-95. doi: 10.1161/CIRCULATIONAHA.110.978627.
5. Arranz A, Doxaki C, **Vergadi E**, Martinez de la Torre Y, Vaporidi K, Lagoudaki ED, Ieronymaki E, Androulidaki A, Margioris AN, Stathopoulos EN, Tsihchlis PN, Tsatsanis C. Akt1 and Akt2 kinases differentially regulate macrophage polarization. *Proc Natl Acad Sci USA*. 2012;303:9517-25. doi: 10.1073/pnas.1119038109.
6. Paraskakis E, **Vergadi E**, Chatzimichael A, Bouros D. Current evidence for the management of paediatric parapneumonic effusions. *Curr Med Res Opin*. 2012;28:1179-92. doi: 10.1185/03007995.2012.684674.
7. Vaporidi K, **Vergadi E**, Kaniaris E, Hatzia Apostolou M, Lagoudaki E, Georgopoulos D, Zapol WM, Bloch KD, Iliopoulos D. Pulmonary microRNA profiling in a mouse model of ventilator-induced lung injury. *Am J Physiol Lung Cell Mol Physiol*. 2012;303:L199-207. doi: 10.1152/ajplung.00370.2011.
8. Lee C, Mitsialis SA, Aslam M, Vitali SH, **Vergadi E**, Konstantinou G, Sdrimas K, Fernandez-Gonzalez A, Kourembanas S. Exosomes mediate the cytoprotective action of mesenchymal stromal cells on hypoxia-induced pulmonary hypertension. *Circulation*. 2012;126:2601-11. doi: 10.1161/CIRCULATIONAHA.112.114173.
9. Karakasilioti I, Kamileri I, Chatzinikolaou G, Kosteas T, **Vergadi E**, Tsamardinos I, Rozgaja TA, Siakouli S, Tsatsanis C, Niedernhofer LJ, Garinis G. DNA Damage Triggers a Chronic Autoinflammatory Response Leading to Fat Depletion in NER Progeria. *Cell Metabolism* 2013;18, 403–15. doi: 10.1016/j.cmet.2013.08.011.
10. **Vergadi E**, Vaporidi K, Theodorakis EE, Doxaki C, Lagoudaki E, Ieronymaki E, Alexaki VI, Helms M, Kondili E, Soennichsen B, Stathopoulos EN, Margioris E, Georgopoulos D, Tsatsanis C. Akt2 Deficiency Protects from Acute Lung Injury via Alternative Macrophage Activation and miR-146a Induction in Mice. *J Immunology*. 2014;192:394-406. doi: 10.4049/jimmunol.1300959.

11. Kaniaris E, Vaporidi K, **Vergadi E**, Theodorakis EE, et al. Genetic and pharmacologic inhibition of Tpl2 kinase is protective in a mouse model of ventilator-induced lung injury. *Int Care Med Exper* 2014; 2:15. doi: 10.1186/2197-425X-2-15.
12. Paraskakis E, **Vergadi E**, Chatzimichael E, Bush A. The role of flow-independent exhaled nitric oxide parameters in the assessment of airway diseases. *Curr Top Med Chem*. 2016;16:1631-42. doi: 10.2174/1568026616666150930121330.
13. **Vergadi E**, Ieronymaki E, Lyroni K, Vaporidi K, Tsatsanis C. Akt Signaling Pathway in Macrophage Activation and M1/M2 Polarization. *J Immunol*. 2017;198:1006-1014. doi: 10.4049/jimmunol.1601515.
14. **Vergadi E**, Bitsori M, Maraki S, Galanakis E. Community-onset carbapenem-resistant *Klebsiella pneumoniae* urinary tract infections in infancy following NICU hospitalisation. *J Pediatr Urol*. 2017;13:495.e1-495.e6. doi: 10.1016/j.jpuro.2017.02.008.
15. Bitsori M, **Vergadi E**, Galanakis E. Slow progression of renal failure in a child with infantile cystinosis. *CEN Case Rep*. 2018 May;7(1):153-157. doi: 10.1007/s13730-018-0316-3.
16. Trzybulska D, **Vergadi E**, Tsatsanis C. miRNA and Other Non-Coding RNAs as Promising Diagnostic Markers. *EJIFCC*. 2018;29:221-226.
17. **Vergadi E**, Vaporidi K, Tsatsanis C. Regulation of endotoxin tolerance and compensatory anti-inflammatory syndrome by non-coding RNAs. *Frontiers in Immunology*. 2018;9:2705. doi: 10.3389/fimmu.2018.02705.
18. **Vergadi E**, Manoura A, Chatzakis E, Karavitakis E, Maraki S, Galanakis E. Changes in the incidence and epidemiology of neonatal group B Streptococcal disease over the last two decades in Crete, Greece. *Infect Dis Rep*. 2018;10:7744. doi: 10.4081/idr.2018.7744.
19. Ieronymaki E, Theodorakis EM, Lyroni K, **Vergadi E**, Lagoudaki E, Al-Qahtani A, Aznaourova M, Neofotistou-Themeli E, Eliopoulos AG, Vaporidi K, Tsatsanis C. Insulin Resistance in Macrophages Alters Their Metabolism and Promotes an M2-Like Phenotype. *J Immunol*. 2019;202:1786-1797. doi: 10.4049/jimmunol.1800065.
20. Bitsori M, **Vergadi E**, Galanakis E. A Novel CLCN5 Splice Site Mutation in a Boy with Incomplete Phenotype of Dent Disease. *J Pediatr Genet*. 2019;8:235-239. doi: 10.1055/s-0039-1692172. doi: 10.1055/s-0039-1692172.
21. Fostira E, Bitsori M, **Vergadi E**, Maraki S, Galanakis E. Short-term antibiotic exposure affected the type and resistance of uropathogens similar to long-term antibiotic prophylaxis in children hospitalised for urinary tract infections. *Acta Paediatr*. 2020;109:1260-1266. doi: 10.1111/apa.15099
22. Bitsori M, **Vergadi E**, Germanakis I, Raissaki M, Galanakis E. Case Report: A Case of Endocarditis and Embolic Stroke in a Child, Suggestive of Acute Q Fever Infection. *Am J Trop Med Hyg*. 2020;103:1435-1438. doi: 10.4269/ajtmh.19-0932.
23. Vrachnaki O, **Vergadi E**, Ioannidou E, Galanakis E. Determinants of low uptake of vaccination against influenza, measles, and hepatitis B among healthcare professionals in Greece: a multicenter cross-sectional study. *Hum Vaccin Immunother*. 2020;16:2663-2669. doi: 10.1080/21645515.2020.
24. Vazouras K, Hsia Y, Folgari L, Bielicki J, Aguadisch E, Bamford A, Brett A, Caseris M, Cerkauskiene R, De Luca M, Iosifidis E, Kopsidas J, Manzanares Á, Planche T, Riordan A, Srovin TP, Valdivielso Martínez AI, **Vergadi E**, Sharland M, Basmaci R. Treatment and Outcomes of Children with Febrile Urinary Tract Infection Due to Extended Spectrum Beta-lactamase-producing Bacteria in Europe: TOO CUTE Study. *Pediatr Infect Dis J*. 2020;39:1081-1087. doi: 10.1097/INF.0000000000002838.
25. Angeli M, **Vergadi E**, Tsiverdis I, Mastorodemos V, Galanakis E. Recurrent Facial Palsy in a Teenager. *J Pediatr*. 2021;228:301-302. doi: 10.1016/j.jpeds.2020.08.012.
26. **Vergadi E**, Velegrakis S, Raissaki M, Bitsori M, Karatzanis A, Galanakis E. Acute mastoiditis complicated by cerebral venous sinus thrombosis in children. *Int J Pediatr Otorhinolaryngol*. 2021;141:110508. doi: 10.1016/j.ijporl.2020.110508.
27. Pantazi I, Al-Qahtani AA, Alhamlan FS, Alotheid H, Matou-Nasri S, Sourvinos G, **Vergadi E**, Tsatsanis C. SARS-CoV-2/ACE2 Interaction Suppresses IRAK-M Expression and Promotes Pro-Inflammatory Cytokine Production in Macrophages. *Front Immunol*. 2021;12:683800. doi: 10.3389/fimmu.2021.683800.
28. **Vergadi E**, Maraki S, Dardamani E, Ladomenou F, Galanakis E. Polymicrobial gastroenteritis in children. *Acta Paediatr*. 2021;110:2240-2245. doi: 10.1111/apa.15854.
29. **Vergadi E**, Goniotakis I, Maraki S, Galanakis E. Extensive Cellulitis and Bacteremia Due to *Streptococcus Pseudoporcinus* in a Child With Klippel-Trenaunay Syndrome. *Pediatr Infect Dis J*. 2021;40:e316-e318. doi: 10.1097/INF.0000000000003160.
30. Kolliniati O, Ieronymaki E, **Vergadi E**, Tsatsanis C. Metabolic Regulation of Macrophage Activation. *J Innate Immun*. 2022;14:51-68. doi: 10.1159/000516780.
31. **Vergadi E**, Zacharioudaki M, Raissaki M, Galanakis E. Challenges in the Diagnosis of Viral Encephalitis in Children: The Case of Two Siblings. *Infect Dis Rep*. 2022 ; 14:106-111. doi: 10.3390/idr14010014.
32. Cook A, Sharland M, Yau Y, Group P, Bielicki J; PediBSI Group (**Vergadi E**, among PediBSI authors). Improving empiric antibiotic prescribing in pediatric bloodstream infections: a potential application of weighted-incidence syndromic combination antibiograms (WISCA). *Expert Rev Anti Infect Ther*. 2022;20:445-456. doi: 10.1080/14787210.2021.
33. Rouva G, **Vergadi E**, Galanakis E. Acute abdomen in multisystem inflammatory syndrome in children: A systematic review. *Acta Paediatr*. 2022;111(3):467-472. doi: 10.1111/apa.16178.

34. Angeli M, **Vergadi E**, Niotakis G, Raissaki M, Galanakis E. Abnormal gait and hypoglycorrhachia in a toddler with seizures. *Pediatr Investig*. 2022; 6:47-49. doi: 10.1002/ped4.12311.
35. Kakatsaki I, **Vergadi E**, Paraskakis E, Galanakis E. Attitudes of junior healthcare professionals towards mandatory vaccination. *Vaccine*. 2022;40:2247-2250. doi: 10.1016/j.vaccine.2022.03.010.
36. **Vergadi E**, Rouva G, Angeli M, Galanakis E. Infectious Diseases Associated with Desert Dust Outbreaks: A Systematic Review. *Int J Environ Res Public Health*. 2022 Jun 5;19(11):6907. doi: 10.3390/ijerph19116907.
37. Blevrakis E, **Vergadi E**, Stefanaki M, Alexiadi-Oikonomou I, Rouva G, Germanakis I, Galanakis E. Mesenteric Lymphadenitis Presenting as Acute Abdomen in a Child with Multisystem Inflammatory Syndrome. *Infect Dis Rep*. 2022 Jun 6;14(3):428-432. doi: 10.3390/idr14030046
38. Lapi I, Daskalaki MG, Axarlis K, Pafioti E, Tsihchlis PN, **Vergadi E**, Tsatsanis C. AKT Isoforms in Macrophage Activation, Polarization, and Survival. *Curr Top Microbiol Immunol*. 2022;436:165-196. doi: 10.1007/978-3-031-06566-8\_7.
39. Rouva G, **Vergadi E**, Hatzidaki E, Germanakis I. Mild coronary artery dilatation developed in some children with mild COVID-19 but completely regressed within 3 months. *Acta Paediatr*. 2022 Sep;111(9):1764-1770. doi: 10.1111/apa.16465.
40. Pantazi I, Papafragkos I, Kolliniati O, Lapi I, Tsatsanis C, **Vergadi E**. Akt Inhibition Promotes Autophagy and Clearance of Group B Streptococcus from the Alveolar Epithelium. *Pathogens* 2022, 11, 1134. <https://doi.org/10.3390/pathogens11101134>.
41. Al-Qahtani AA, Pantazi I, Alhamlan FS, Alotheid H, Matou-Nasri S, Sourvinos G, **Vergadi E**, Tsatsanis C. SARS-CoV-2 modulates inflammatory responses of alveolar epithelial type II cells via PI3K/AKT pathway. *Front Immunol*. 2022 Oct 31;13:1020624.
42. Gkentzi D, Mhliordos K, Karatza A, Sinopidis X, Dimopoulou D, Eleftheriou E, Tsofia M, Mavridi A, Miliara E, Papaevangelou V, **Vergadi E**, Galanakis E, Dimitriou G, Fouzas S. The Psychological Impact of COVID-19 Admission on Families: Results from a Nationwide Sample in Greece. *Children (Basel)*. 2022 Dec 9;9(12):1933. doi: 10.3390/children9121933.
43. Dimopoulou D, Kyritsi M, Dadouli K, **Vergadi E**, Tsiligianni E, Papadimitriou E, Mavridi A, Giannakopoulos S, Tsiourvopoulou G, Palyvou M, Angeli E, Brikos N, Eleftheriou I, Spoulou V, Michos A, Gkentzi D, Siomou E, Papaevangelou V, Grivea I, Syrogiannopoulos G, Galanakis E, Hadjichristodoulou C, Tsofia M. Seroprevalence of anti-SARS-CoV-2 antibodies among children and their parents in Greece. *Eur J Pediatr*. 2023 Jan;182(1):439-449. doi: 10.1007/s00431-022-04681-8.
44. Eleftheriou I, Maritsi D, Lampidi S, Charisi K, Vantsi P, Skourti K, Filippatos F, Amlianitis I, Dimou D, Papadopoulou-Legbelou K, Papadopoulou-Alataki E, Kampouridou P, Koletsi P, Fotis L, **Vergadi E**, Gkentzi D, Farmaki E, Papaevangelou V, Galanakis E, Grivea IN, Syrogiannopoulos GA, Spoulou V, Spyridis N, Michos A, Roilides E, Tsofia MN. Decreasing Incidence of the Multisystem Inflammatory Syndrome in Children Over 3 Pandemic Waves. *Pediatr Infect Dis J*. 2023 Feb 1;42(2):122-124. doi: 10.1097/INF.0000000000003766.
45. Lampidi S, Maritsi D, Charakida M, Eleftheriou I, Farmaki E, Spyridis N, Charisi K, Vantsi P, Filippatos F, Skourti K, Papadopoulou-Alataki E, Papadopoulou-Legbelou K, Kampouridou P, Grivea IN, **Vergadi E**, Gkentzi D, Dimou D, Koletsi P, Fotis L, Liakopoulou T, Agrafiotou A, Kourtesi K, Tsolas G, Kafetzis D, Papaevangelou V, Dimitriou G, Galanakis E, Syrogiannopoulos GA, Spoulou V, Michos A, Roilides E, Tsofia MN. Multisystem inflammatory syndrome in children (MIS-C): A nationwide collaborative study in the Greek population. *Eur J Pediatr*. 2024 Jan 12. doi: 10.1007/s00431-023-05383-5.

### Other publications

1. **Why do we need to step forward towards a maternal GBS-vaccine?"** By May Murra, Aarhus University Hospital, Denmark and Dr Eleni Vergadi, University of Crete, Medical School. <https://www.issad.org/preventing-maternal-early-onset-and-late-onset-neonatal-gbs-infections/>. Published by 2 March 2023, Blog ISSAD GBS, website.
2. **What pregnant women should know about Group B Streptococcus (GBS)?** <https://www.issad.org/what-pregnant-women-should-know-about-group-b-streptococcus-gbs/>. Published by 21 July 2023 Blog ISSAD GBS, website..

### Presentations in international scientific meetings

#### Oral Presentations in international scientific meetings (selected)

1. **Vergadi E**, Vaporidi K, Doxaki C, Kondili E, Georgopoulos D, Tsatsanis C. Akt2 deficiency and alternative activation of macrophages protects from acid aspiration induced ARDS via induction of miR-146a. Intensive Care Medicine European Society (ESICM)- 26th Annual Congress, Paris, France, 5-9 October, 2013
2. **Vergadi E**. An infant with unusual urinary tract infection pathogen". European Society of Paediatric Infectious Diseases (ESPID). Brighton, England, 10-14 May 2016.

3. **Vergadi E.** Enhancement of neonatal phagocyte responses facilitates Group B Streptococcal clearance and protects from neonatal sepsis. European Society of Paediatric Infectious Diseases (ESPID). Research Masterclass Section. Malmo, Sweden, 28 May – 2 June, 2018
4. **Vergadi E,** Danopoulou M, Lyroni K, Ieronymaki E, Alexaki VI, Vaporidi K, Hajishengallis G, Chavakis T, Tsatsanis C. *Elevated levels of the homeostatic protein Del-1 in neonatal age impair neonatal innate immune responses and deteriorate the outcome of neonatal sepsis.* 15<sup>th</sup> International Conference of Innate Immunity, June 2018, Chania, Greece.
5. **Vergadi E,** Kolliniati O, Tsatsanis C, Galanakis E. Activation of antibacterial autophagy promotes group b streptococcal clearance in neonatal macrophages. European Society of Paediatric Infectious Diseases (ESPID) Annual Congress, Ljubljana, Slovenia, May 2019.
6. **Vergadi E,** Bitsori M, Maraki S, Galanakis E. Not All UTIs Are the Same: Towards an Individualized Management of UTIs in Children European Society of Paediatric Infectious Diseases (ESPID) Annual Congress, Research Masterclass, Ljubljana, Slovenia, May 2019.
7. Kolliniati O, **Vergadi E.** Interleukin-6 mediates susceptibility of neonatal hosts to Group B Streptococcus via inhibition of antibacterial autophagy. Research Masterclass of the 40<sup>th</sup> annual meeting of the European Society for Paediatric Infectious Diseases. Athens, May 2022
8. Lapi I, **Vergadi E.** Age-dependent differences in phagocytosis of Group B Streptococcus. Research Masterclass of the 40<sup>th</sup> annual meeting of the European Society for Paediatric Infectious Diseases. Athens, May 2022

#### Poster Presentations in international scientific meetings (selected)

1. **Vergadi E,** Vaporidi K, Kondili E, Georgopoulos D, Tsatsanis C. Akt2 ablation promotes alternative activation of macrophages via induction of miR146 and protects from acute lung injury. 2nd Inflammation & Cancer Summer School. INFLA-CARE (**Inflammation and Cancer Research in Europe**. Malia, Crete, Greece. 24-27 September 2012.
2. **Vergadi E,** Helms M, Boehm S, Doxaki C, Alexaki I, Soennichsen B, Tsatsanis C. In vivo pulmonary delivery of small RNAs: Efficiency and Limitations. 2nd Inflammation & Cancer Summer School. INFLA-CARE (**Inflammation and Cancer Research in Europe**. Malia, Crete, Greece. 24-27 September 2012. INFLA-CARE (**Inflammation and Cancer Research in Europe**. Malia, Crete, Greece. 24-27 September 2012..
3. **Vergadi E,** Manoura A, Chatzakis E, Maraki S, Giannakopoulou C, Galanakis E. Neonatal GBS infection in Crete: regional incidence and long-term outcome European Society of Pediatric Infectious Diseases (ESPID). Brighton, England, 10-14 May 2016.
4. Kolliniati O, Papafragkos I, Tsatsanis C, **Vergadi E.** Akt1 deficiency in macrophages facilitates Group B Streptococcal clearance via induction of oxidative stress and autophagy. 5th International Conference on Innate Immunity, Chania, July 2018.
5. **Vergadi E,** Vrachnaki O, Ioannidou E, Kastrinakis D, Perdikogianni C, Galanakis E. Vaccination coverage against measles, hepatitis b and influenza among health care professionals in Crete, Greece. European Society of Paediatric Infectious Diseases (ESPID) Annual Congress, Ljubljana, Slovenia, May 2019.
6. **Vergadi E,** Galanakis E Antibacterial autophagy is deficient in neonatal macrophages and leads to escape and cytoplasmic proliferation of Group B Streptococcus. East European conference of Paediatric Infectious Diseases, Brasov, Romania, 28-10 Nov 2019.
7. Kolliniati O, Lapi I, Pantazi I, **Vergadi E,** Tsatsanis C. Cellular and molecular mechanisms controlling intracellular GBS elimination in neonatal and adult macrophages and the role of Akt1 kinase. 20<sup>th</sup> annual EMIM conference, Athens, Aug 2020.
8. Kolliniati O, **Vergadi E,** Hajishengallis G, Chavakis T, Tsatsanis C. The anti-inflammatory protein Del-1 is highly expressed in murine neonatal macrophages. 38<sup>th</sup> annual meeting of the European Society for Paediatric Infectious Diseases, Virtual Meeting, October 2020.
9. **Vergadi E,** Kolliniati O, Lyroni K, Ieronymaki E, Hatzidaki E, Diamantaki E, Vaporidi K, Alexaki VI, Hajishengallis G, Chavakis T, Tsatsanis C. Del-1 is required to maintain granulocytosis and confer survival from sepsis in neonatal age. 38<sup>th</sup> annual meeting of the European Society for Paediatric Infectious Diseases, Virtual Meeting, October 2020.

10. **Vergadi E**, Maraki S, Dardamani E, Ladomenou F, Galanakis E. Polymicrobial gastroenteritis in children. 38<sup>th</sup> Annual meeting of the European Society of Paediatric Infectious Diseases. Virtual Meeting, 26-29 October 2020.
11. Rouva G, **Vergadi E**, Ladomenou F, Apostolaki D, Spyromitrou-Xioufi P, Tsigotaki M, Giormezis N, Maraki S, Galanakis E. Increasing incidence of staphylococcal scalded skin syndrome. 39<sup>th</sup> Annual meeting of the European Society of Paediatric Infectious Diseases. Geneva, 24-29 May 2021.
12. Spiropoulou D, **Vergadi E**, Martimianaki G, Hatzidaki E, Makrigiannakis A, Dimitriou H, Galanakis E. Expression of the homeostatic anti-inflammatory protein DEL-1 in neonatal monocytes. 39<sup>th</sup> Annual meeting of the European Society of Paediatric Infectious Diseases. Geneva 24-29 May 2021.
13. **Vergadi E**, Spiropoulou D, Martimianaki G, Makrigiannakis A, Dimitriou H, Galanakis. Regulation of TLR-4 signaling promotes endotoxin tolerance in neonatal monocytes. 39<sup>th</sup> Annual meeting of the European Society of Paediatric Infectious Diseases. Geneva, 24-29 May 2021.
14. Pantazi I, Al Qahtani A, Alhamlan FS, Sourvinos G, **Vergadi E**, Tsatsanis C. SARS-CoV-2 modulates inflammatory responses of alveolar epithelial type II cells via PI3K/AKT pathway. 2nd AFCB-EFLM Conference "Laboratory medicine for mobile societies in our area", Heraklion, 2-5 October 2022.
15. Lapi I, Kolliniati O, Pantazi I, Chatzisevastos S, Tsatsanis C, **Vergadi E**. The role of the scavenger receptor MARCO in Group B Streptococcus (GBS) clearance in neonatal and adult macrophages. 18<sup>th</sup> International Conference on Innate Immunity, Chania, 31/05 – 05/06/23.
16. Lapi I, Kolliniati O, Chatzisevastos S, Tsatsanis C, **Vergadi E**. AKT1 kinase inhibition promotes macrophage activation and SLAMF8-dependent phagosomal maturation and protects against neonatal Group B *Streptococcus* infection. Annual Meeting of the European Society for Paediatric Infectious Diseases (ESPID), Lisbon, 08-12/05/23.
17. Pantazi I, Papafragkos I, Kolliniati O, Lapi I, Tsatsanis C, **Vergadi E**. Inhibition of the Akt/mTOR pathway promotes autophagy and clearance of Group B *Streptococcus* from the alveolar epithelium. Annual Meeting of the European Society for Paediatric Infectious Diseases (ESPID), Lisbon, 08-12/05/23.
18. Kolliniati O, Lapi I, Pantazi I, Hatzisevastos S, Tsatsanis C, **Vergadi E**. Enhanced activation of IL-6/JAK2 axis confers neonatal susceptibility to GBS infections via inhibition of LC3 Associated Phagocytosis (LAP). 18<sup>th</sup> International Conference on Innate Immunity, Chania, 31/05 – 05/06/23.
19. Lapi I, Kolliniati O, Pantazi I, Chatzisevastos S, Tsatsanis C, **Vergadi E**. The role of the scavenger receptor MARCO in Group B Streptococcus (GBS) clearance in neonatal and adult macrophages. Molecular control of immune cell activation in health and disease Lofoten, 24-28th August 2023, Lofoten, Norway.
20. Kolliniati O, Lapi I, Pantazi I, Tsatsanis C, **Vergadi E**. Interleukin- 6 mediates susceptibility of neonatal hosts to Group B Streptococcus via inhibition of antibacterial autophagy. Meningitis Research Foundation Conference 2023. 7-9 November 2023. British Museum. London, UK.

#### Invited talks (selected)

1. **Vergadi E** Macrophage accumulation and activation in hypoxic lungs is critical for the later development of hypoxia-induced pulmonary hypertension. 2<sup>nd</sup> Annual Meeting - Scientific Retreat: The Molecular Basis of Human Disease. Ηράκλειο. 13-15 Οκτωβρίου, 2010.
2. **Vergadi E**. Guidelines for diagnosis and management of sepsis in children. European Society of Paediatric Infectious Diseases (ESPID) Annual Congress, Ljubljana, Slovenia, 6-12 May 2019.
3. **Vergadi E**. Neonatal innate immune responses that are important for sepsis survival. Teaching Course on Pediatric Infectious Diseases. 13th Edition (Online). Brasov, Romania. November 12 – 14, 2020.
4. **Vergadi E**. Management of severe COVID-19 pneumonia in children. 6<sup>th</sup> Edition of the SRBIP Winter School, organized by Romanian Society of Pediatric Infectious Diseases and Transylvania University, Brasov, 10-12 Μαρτίου 2022.
5. **Vergadi E**. Host - microbe interactions in early life. Joint Seminar series in Translational and Clinical Medicine. UoC Medical School - IMBB FORTH. Ηράκλειο, 5 Απριλ 2022.

6. **Vergadi E.** A novel IL-10 – DEL-1 axis promotes granulopoiesis and sepsis survival in early life, EyNET INNOCHRON, Online Discussion Club (ODC). 5 May 2022.
7. **Vergadi E.** Placental antibody transfer - implications for infant immunity and vaccine effectiveness. 15<sup>th</sup> Paediatric Infectious Diseases Teaching Course. Brasov. Romania, 10-12nd of November 2022.
8. **Vergadi E.** Correlates of protection in vaccinology. 1<sup>st</sup> Summer School in Vaccines.. 5-7 Oct 2023. Heraklion, Crete.
9. **Vergadi E.** Maternal vaccination: what's on the pipeline. 1<sup>st</sup> Summer School in Vaccines.. 5-7 Oct 2023. Heraklion, Crete.
10. **Vergadi E.** HSV: how to protect your baby. 16<sup>th</sup> Paediatric Infectious Diseases Teaching Course. Brasov. Romania, 23-25<sup>th</sup> of November 2023.
11. **Vergadi E.** Getting to the site of inflammation: the leukocyte adhesion cascade in sepsis in early life. European Society for Paediatric Infectious Diseases (ESPID) Annual Conference, Lisbon, Portugal, 8-9th May 2023.
12. **Vergadi E.** GBS Colonisation and invasion: how and why?. Modern Trends in Infectious Diseases and Immunology. 9-11 May 2024. Seville, 2024.