

Curriculum Vitae

Dr. Katerina Vaporidi, Pulmonologist - Intensivist

Personal Information

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Education – Training – Employment history

Graduated from University of Patras Medical School on 1997; trained in Pulmonary Medicine at General Hospital of Chania and University Hospital of Heraklio, and aquired the Greek Board Certification in Pulmonary Medicine on 2006; trained in Intensive Care Medicine at the Department of Intensive Care Medicine, University Hospital of Heraklio from 2006-2008, and aquired the Greek board certification in Intensive Care Medicine on 2008; in paralel worked to a PhD from University of Crete, Faculty of Medicine, completed on 2007; worked as post-doctoral research fellow at the Anesthesia Center for Critical Care Research, Department of Anesthesia, Massachusetts General Hospital, Harvard Medical School, Boston, USA from 2008-2009; elected and employed as Lecturer in Intensive Care Medicine at the University of Crete, Faculty of Medicine from 2009, and as Assistant Professor in Intensive Care Medicine, since 2014.

Research Grants and Awards:

1. Research grant from the Greek Society of Intensive care Medicine for the proposal «Effect of respiratory rate on the development of ventilator induced lung injury in a mouse model, Vaporidi K. and Georgopoulos D.», June 2007 (10000€)

2. European Society of Intensive Care Medicine Basic Science research Award 2010 for the proposal «The role of microRNAs in ventilator-induced lung injury» (20000€)
3. “Small size research projects” University of Crete Research Funding «The role of MIR-21 on ventilator-induced lung injury» 02/2012 (2500€)
4. “Large size research projects” University of Crete Research Funding «The impact of macrophage activation state in the pathogenesis of acute lung injury» 10/2011 (14000€)
5. European Program FP7-REGPOT Grant # 285948 (2012-2015): TrasPOT-Enhancing the Translational Research Potential of The University of Crete Medical School, Participation as member of the research team and supervisor of postdoc fellow: (PI: prof. A. Iliopoulos, €3,040,000)
6. Program «Excelence I», General Secretary of Research and Technology- ref number: 2071 (2012-2015) “IMMUNOMETABOLISM: Regulation of Macrophage Metabolism and its contribution in Metabolic Inflammation” Participation as member of the research team and supervisor of postdoc fellow: (PI: As.prof. C. Tsatsanis, €173000).
7. Program «Excelence II», General Secretary of Research and Technology- ref number 4620 “MARS CARS: Macrophage Responses in Compensatory Anti-inflammatory Response Syndrome”, Primary Investigator (€200000).

Publications:

1. Vaporidi K, Tsatsanis C, Georgopoulos D, Tsihliis PN.
Effects of hypoxia and hypercapnia on surfactant protein expression proliferation and apoptosis in A549 alveolar epithelial cells.
Life Sci. 2005;78(3):284-93.
2. Kondili E, Xirouchaki N, Vaporidi K, Klimathianaki M, Georgopoulos D.

Short-term cardiorespiratory effects of proportional assist and pressure-support ventilation in patients with acute lung injury/acute respiratory distress syndrome.

Anesthesiology. 2006 Oct;105(4):703-8.

3. Plataki M, Vaporidi K, Georgopoulos D.

Is there increasing evidence that the risks of rhAPC may outweigh its benefits?

Intensive Care Med. 2007 Aug;33(8):1485-6. (Letter)

4. Prinianakis G, Plataki M, Kondili E, Klimathianaki M, Vaporidi K, Georgopoulos D.

Effects of relaxation of inspiratory muscles on ventilator pressure during pressure support.

Intensive Care Med. 2008;4(1):70-4.

5. Tsatsanis C, Vaporidi K, Zacharioudaki V, Androulidaki A, Sykulev Y, Margioris AN, Tsihliis PN.

Tpl2 and ERK transduce antiproliferative T cell receptor signals and inhibit transformation of chronically stimulated T cells.

Proc Natl Acad Sci U S A. 2008;105(8):2987-92.

6. Vaporidi K, Voloudakis G, Priniannakis G, Kondili E, Koutsopoulos A, Tsatsanis C, Georgopoulos D.

Effects of respiratory rate on ventilator-induced lung injury at a constant PaCO₂ in a mouse model of normal lung.

Crit Care Med. 2008;36(4):1277-83.

7. Xirouchaki N, Kondili E, Vaporidi K, Xirouchakis G, Klimathianaki M, Gavriilidis G, Alexandopoulou E, Plataki M, Alexopoulou C, Georgopoulos D.

Proportional assist ventilation with load-adjustable gain factors in critically ill patients: comparison with pressure support.

Intensive Care Med. 2008 Jul 8.

8. Kondili E, Gavrilidis G, Vaporidi K, Babalis D, Georgopoulos D.
Sleep patterns and method of ventilatory assist.
Review
International Journal of Intensive Care.
9. Kondili E, Alexopoulou C, Xirouchaki N, Vaporidi K, Georgopoulos D.
Estimation of inspiratory muscle pressure in critically ill patients.
Intensive Care Med. 2010 Apr;36(4):648-55.
10. Vaporidi K, Francis RC, Bloch KD, Zapol WM.
Nitric oxide synthase 3 contributes to ventilator-induced lung injury.
Am J Physiol Lung Cell Mol Physiol. 2010 Aug;299(2):L150-9.
11. Klimathianaki M, Vaporidi K, Georgopoulos D.
Respiratory muscle dysfunction in COPD: from muscles to cell.
Curr Drug Targets. 2011 Apr;12(4):478-88. Review.
12. Kondili E, Alexopoulou C, Prinianakis G, Xirouchaki N, Vaporidi K, Georgopoulos D.
Effect of albuterol on expiratory resistance in mechanically ventilated patients.
Respir Care. 2011 May;56(5):626-32.
13. Xirouchaki N, Magkanas E, Vaporidi K, Kondili E, Plataki M, Patrianakos A, Akoumianaki E, Georgopoulos D.
Lung ultrasound in critically ill patients: comparison with bedside chest radiography.
Intensive Care Med. 2011 Sep;37(9):1488-93.
14. Francis RC, Vaporidi K, Bloch KD, Ichinose F, Zapol WM.
Protective and Detrimental Effects of Sodium Sulfide and Hydrogen Sulfide in Murine Ventilator-induced Lung Injury.

Anesthesiology. 2011 Nov;115(5):1012-21.

15. Arranz A, Doxaki C, Vergadi E, Martinez de la Torre Y, Vaporidi K, Lagoudaki ED, Ieronymaki E, Androulidaki A, Venihaki M, Margioris AN, Stathopoulos EN, Tsihchlis PN, Tsatsanis C.

Akt1 and Akt2 protein kinases differentially contribute to macrophage polarization.

Proc Natl Acad Sci U S A. 2012 Jun 12;109(24):9517-22

16. Vaporidi K, Vergadi E, Kaniaris E, Hatziapostolou 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 Aug 1;303(3):L199-207.

17. Vergadi E, Vaporidi K, Theodorakis EE, Doxaki C, Lagoudaki E, Ieronymaki E, Alexaki VI, Helms M, Kondili E, Soennichsen B, Stathopoulos EN, Margioris AN, Georgopoulos D, Tsatsanis C.

Akt2 Deficiency Protects from Acute Lung Injury via Alternative Macrophage Activation and miR-146a Induction in Mice.

J Immunol. 2014 Jan 1;192(1):394-406