

## 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 PaCO<sub>2</sub> 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