

# **CURRICULUM VITAE**

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**Medical School, US equivalency:**

1988-1994 Albert-Ludwigs-University, Freiburg, Germany (MD)  
1995 Parts 1 and 2 of the USMLE  
1998 Part 3 of the USMLE

**Doctoral Thesis:**

Hemoglobin Concentration Correlates with the Severity of Cerebral Vasospasm after Subarachnoid Hemorrhage. Albert-Ludwigs-University, Freiburg, Germany, 1993

**Postgraduate education:**

2/1995-6/1996 Internship in Internal Medicine, Ludwig-Maximilians-University Hospital, Munich, Germany  
7/1996-6/1999 Internship and Residency in Internal Medicine, East Campus Program, Albert Einstein College of Medicine, Bronx, NY  
7/1999-6/2000, } Fellowship in Pulmonary-Critical Care Medicine, Duke University  
8/2002-8/2004 } Medical Center, Durham, NC

**Professional activities:**

8/2004-8/2007 Clinical Instructor, Division of Pulmonary, Allergy and Critical Care Medicine, Duke University Medical Center, Durham, NC  
8/2007-current Staff Clinician, Clinical Research Unit, National Institute of Environmental Health Sciences

**Extracurricular activities:**

10/2000-5/2002 Mandatory military service, Ground Forces Medical Corps, Greece

**Specialty certifications:**

1999-2009 Internal Medicine (American Board of Internal Medicine)  
2003-2013 Pulmonary Medicine (American Board of Internal Medicine)  
2005-2015 Critical Care Medicine (American Board of Internal Medicine)

**Clinical skill courses:**

5/2002 Advanced Trauma Life Support  
11/2004 Basic Life Support  
8/2007 Advanced Cardiac Life Support

### **Awards/Societies:**

Member- American Thoracic Society, American College of Chest Physicians, American Society of Transplantation

Medical License- Federal Republic of Germany

Medical License- North Carolina Medical Board

Leo M. Davidoff Society of the Albert Einstein College of Medicine: Certificate of Distinction for outstanding Achievement as a House Officer in the Teaching of Medical Students, 1997, 1998, 1999. Honorary Induction as Member, 1999

### **Peer Review Activities:**

Critical Care Medicine

Journal of Clinical Investigation

American Journal of Transplantation

Scottish Medical Research Council

Archives of Environmental Contamination and Toxicology

### **Invited Speaker:**

1. Contributions in Transplantation 2006 – Barcelona, Spain, April 2006
2. The Role of Lung Transplant in the Management of Patients with Idiopathic Pulmonary Fibrosis – Sunrise Seminar, American Thoracic Society International Conference, San Francisco, CA, May 2007
3. Inter-alpha-trypsin inhibitor and extracellular matrix: a tale of many interactions. National Cancer Institute, Laboratory of Cell and Cancer Biology Research Talk, Gaithersburg, MD, September 2007

### **Original Publications:**

1. **Garantziotis S**, Howell DN, McAdams HP, Davis RD, Henshaw NG, Palmer SM. Influenza pneumonia in lung transplant recipients: clinical features and association with bronchiolitis obliterans syndrome. *Chest* 2001; 119: 1277-80
2. **Garantziotis S**, Bhalla KS, Long GD, Vredenburg JJ, Folz RJ. Fatal re-expansion pulmonary edema associated with increase lung IL-8 levels following high-dose chemotherapy and autologous stem-cell transplant. *Respiration* 2002; 69: 351-354
3. Wencker D, Chandra M, Nguyen K, Miao W, **Garantziotis S**, et al. A mechanistic role for cardiac myocyte apoptosis in heart failure. *J Clin Invest.* 2003; 111(10):1497-504.
4. Tilkeridis C, Bei T, **Garantziotis S**, Stratakis CA. Association of a COL1A1 polymorphism with lumbar disc disease in young military recruits. *J Med Genet* 2005; 42:e44
5. **Garantziotis S**, Brass DM, Savov J, Hollingsworth JW, McElvania-Tekippe E, et al. Leukocyte-derived Interleukin-10 Reduces Subepithelial Fibrosis Associated with Chronically Inhaled Endotoxin. *Am J Respir Cell Mol Biol.* 2006; 35: 662-667
6. Brass DM, Hollingsworth JW, McElvania-Tekippe E, **Garantziotis S**, Hossain I, Schwartz DA. CD14 is an essential mediator of LPS induced airway disease. *Am J Physiol Lung Cell Mol Physiol.* 2007 293(1):L77-83
7. Hollingsworth JW, Li Z, Brass DM, **Garantziotis S**, Timberlake SH, Kim A, Hossain I, Savani RC, Schwartz DA. CD44 regulates macrophage recruitment to the lung in lipopolysaccharide-induced airway disease. *Am J Respir Cell Mol Biol* 2007;37(2):248-53
8. **Garantziotis S**, Hollingsworth JW, Ghanayem R, Timberlake S, Zhuo L, Kimata K, Schwartz DA. Inter-alpha-trypsin inhibitor blocks complement activation and attenuates complement-induced lung injury. *J Immunol* 2007; 179(6):4187-92

9. Hollingsworth JW, Maruoka S, Li Z, Potts EN, Brass DM, **Garantziotis S**, Fong A, Foster WM, Schwartz DA. Ambient ozone primes pulmonary innate immunity in mice. *J Immunol.* 2007;179(7):4367-75.
10. Reams BD, Musselwhite LW, Zaas DW, Steele MP, **Garantziotis S**, Eu PC, Snyder LD, Curl J, Lin SS, Davis RD, Palmer SM. Alemtuzumab in the treatment of refractory acute rejection and bronchiolitis obliterans syndrome after human lung transplantation. *Am J Transplant* 2007;7(12):2802-8
11. **Garantziotis S**, Palmer SM, Ganous T, Chen BJ, Wang T, et al. Innate immunity regulates the development of alloimmune lung injury. *Transplantation* 2007; 84:1012-1019
12. **Garantziotis S**, Li Z, Kimata K, Zhuo L, Potts EN, et al. The role of hyaluronan in ozone-induced airway hyperresponsiveness (*submitted*)
13. Hollingsworth JW, Maruoka S, Boon K, **Garantziotis S**, Li Z, Tomfohr J, et al. *In utero* supplementation with methyl-donor enhances allergic airway disease (*in revision*)
14. Marraccini P, Brass DM, Hollingsworth JW, Maruoka S, **Garantziotis S**, Schwartz DA. Bakery flour dust exposure enhances non-allergic and allergic airway inflammation in mice (*in revision*)
15. Li Z, **Garantziotis S**, Jia W, Potts E, Liu Z, Foster WM, He Y, Hollingsworth JW. Mindin regulates pulmonary eosinophil recruitment in allergic asthma (*submitted*)

#### **Book Chapters/ Invited reviews:**

1. **Garantziotis S**, Kyrmizakis DE, Liolios AD. Critical care of the head and neck patient. *Crit Care Clin.* 2003;19(1):73-90
2. Palmer SM, **Garantziotis S**, Reinsmoen NL. Clinical significance of anti-HLA antibodies in lung transplantation. *Curr Opin Organ Transplant* 2003; 8: 217-221
3. **Garantziotis S**. Water and Electrolyte Imbalance in Pregnancy. Seminar Compendium, VI Critical Care Seminar on Fluid and Electrolytes, (G. Baltopoulos, Ed) pp 299-308. P.X. Paschalides Press, 2003
4. **Garantziotis S**, Steele MP, Schwartz DA. Pulmonary fibrosis: thinking outside of the lung. *J Clin Invest.* 2004 Aug;114(3):319-21
5. **Garantziotis S**, Schwartz, DA. Genetics of the Pulmonary Response to Environmental Agents. *Clin Pulm Med* 2004;11(6): 363-368
6. **Garantziotis S**. Innate Immunity, Inflammation and Infection. New receptors (TLR, NOD, TREM) in antimicrobial Immunity. Seminar Compendium, VII Critical Care Seminar on Sepsis and Septic Shock, (G. Baltopoulos, Ed). 2005
7. **Garantziotis S**, Schwartz DA. Host-environmental interactions in IPF. In *Idiopathic Pulmonary Fibrosis* (V. Thannikal, and J. P. Lynch, III, Guest Editors), *Semin Respir Crit Care Med.* 27(6):574-80 (2006)
8. **Garantziotis S**, Palmer SM. Innate immunity in lung transplantation. In *Contributions in Transplantation*, Prous Science Publishers, Barcelona 2006
9. **Garantziotis S**, Hollingsworth JW, Zaas AK, Schwartz DA. The effect of Toll-like Receptors and Toll-like Receptor Genetics in Human Disease. *Annu Rev Med.* 2007 Sep 10; [Epub ahead of print]
10. **Garantziotis S**, Palmer SM. Genetics and genomics in lung transplantation. In *Expert Review of Respiratory Medicine*, August 2007

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**American Thoracic Society / American Society of Transplantation Partnership Grant (PI: Garantziotis) 1/1/2006-12/31/2008**

To investigate the effects of innate immune activation on alloimmune lung injury in a novel murine model.