

# GIANLUCA SAMARANI, MD, PHD

## EDUCATION

### SCUOLA SUPERIORE SANT'ANNA, PISA, ITALY

**Jan 2009 – sept 2013: PhD:** Research Project “Effect of Mesenchymal Stem Cells Treatment In a Mouse Model of Sepsis ” Mentors: Prof. M.A. Matthay, Prof. F. Recchia, Prof. M. Petrini

### CARDIOVASCULAR RESEARCH INSTITUTE, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

**Feb 2009 – sept 2010:** Research Topic: “Potential Therapeutic Effect of Human Mesenchymal Stem Cells in Animal Models of Sepsis”; Mentor: Prof. M.A. Matthay

### UNIVERSITY HOSPITAL OF CRETEIL, REANIMATION MEDICALE, PARIS, FRANCE

**Nov 2007 – Dec 2008: Interne étranger (Resident)** in Anesthesiology and Critical Care, Research Topic for Degree: “Ventilatory outcome in patients with respiratory failure treated by NAVA and PSV ventilation” (Mentor: Prof. L. Brochard)

### UNIVERSITY OF TORINO (SCHOOL OF MEDICINE AND SURGERY), TORINO, ITALY

**Nov 2004 – Nov 2007: Resident Candidate** in Anesthesiology and Critical Care, San Giovanni Battista Hospital, Department of Anesthesiology III (Prof. V.M. Ranieri)

**Oct 2004 – Oct 2005:** Recipient of a scholarship for laboratory experience. Research Topic: “Role of PEEP ventilation in induced ALI in animal models” and “Role of PI3 kinase- $\gamma$  in molecular path of ALI and ARDS” (Mentor: Prof. V.M. Ranieri)

### SCUOLA SUPERIORE SANT'ANNA, PISA, ITALY

**Oct 1998 – Oct 2006:** *Allievo ordinario*: Diploma of Medicine and Surgery Class: 100/100 *summa cum laude*: Topic “Role of PEEP ventilation in induced ALI in animal models”

**May 1999 – Oct 2004:** Internal courses in “problems in physiology and pathophysiology” grade average: A

**Oct 2002 – Oct 2004:** Clinical practice stages, National Research Center, Pisa (Supervisors: Prof. A. L'Abate, Prof F. Recchia)

### UNIVERSITY OF PISA (SCHOOL OF MEDICINE AND SURGERY), PISA, ITALY

**Oct 1998 – Jul 2004: MD Degree:** 110/110 *summa cum laude and dignity of print*, grade average: A. Thesis work: “Ultrastructural studies of neurotoxicity of NMA and neuroprotection of Xenon in rat's nucleus arcuatus” (Mentor: Prof. F. Giunta)

**Nov 2002 – Jul 2004: Intern**, Department of Anesthesiology and Critical Care, Santa Chiara University Hospital, Pisa

## AWARDS AND DISTINCTIONS

**May 2018:** American Thoracic Society Congress poster session: “Minimally invasive Coronary sinus cardioplegia in cardiac surgery: a case control study.”

**September 2015:** European Association Cardiothoracic Anesthesiologists Congress poster presentation: “Macromolecule Administration Favors Fluid Restrictive Strategy During Cardiac Surgery, but Causes Bleeding, Transfusion Requirement and Haemodynamic Support After Surgery »

## GIANLUCA SAMARANI, MD, PHD

**May 2015:** American Thoracic Society poster presentation: “Central Venous Oxygen Saturation as a Potential Trigger for Blood Transfusion in Cardiovascular Surgery Patients: An Observational Study”

**May 2010:** American Thoracic Society oral presentation: “Mesenchymal Stem Cells reduce mortality and bacteremia in a gram negative sepsis model in mice”.

**Feb 2009:** Selected for a position as postdoctoral fellow, *Cardiovascular Research Institute, University of California, San Francisco, CA, USA*

**Jan 2009:** Recipient of a PhD program, *Scuola Superiore Sant’Anna, Pisa, Italy*

**Nov 2007:** Recipient of a one year mission abroad, *Creteil University Hospital, Reanimation Medicale, Paris, France* (Prof. L. Brochard)

**Nov 2004:** Recipient of a four years residency program in Anesthesiology and Critical Care, *University of Study of Torino, Italy* (Prof. V.M. Ranieri)

**Oct 2004:** Recipient of a one year scholarship for basic research program, *San Giovanni Battista Hospital, Torino, Italy* (Prof. V.M. Ranieri)

**Oct 2001:** Recipient of a two months clinical stage, *Ministry of Public Education, Italy-University of Maceiò, Brasil*

**May 2000:** Recipient of a grant for Experiment in Microgravity Condition, *European Space Agency, Bordeaux, France*

**Oct 1998:** Recipient of a six years full board scholarship *Scuola Superiore Sant’Anna, Pisa, Italy*

## LANGUAGES SKILLS

**Italian:** Mother tongue. **English:** Excellent command of the language. **French:** Good knowledge of written and spoken language. **Spanish:** Basic knowledge of written and spoken language.

## WORK EXPERIENCES and OTHER ACTIVITIES

**June 2018 – present:** Attending Anesthetist in Hospital Dy Pays du Mont Blanc, Sallanches-Chamonix, France. Head of Department of Surgery and Anesthesia-Intensive Care since October 2018

**Jan 2012 – june 2018:** Attending Anesthetist in Hospital Arnaud de Villeneuve, Department of Cardiac, Thoracic and Vascular Anesthesiology (professor Colson, P). Montpellier, France

**July 2011 – jan 2012:** Attending Anesthetist at Ospedale Maggiore, Crema, Italy

**Sept 2010 – July 2011:** Cardiac Anesthetist in Ospedale del Cuore, Massa, Italy

**Feb 2009 –august 2010:** Postdoctoral fellow at Cardiovascular research institute, UCSF, California, USA

**Nov 2007 – Dec 2008:** Resident at Department of Critical Care, Hospital Henri Mondor, Paris, France

**Nov 2004 – Nov 2007:** Resident at Department of Anesthesiology and Critical Care, Hospital S.G.B, Torino, Italy

## **GIANLUCA SAMARANI, MD, PHD**

**Oct 2004 – Sept 2005: Fellow** at Biomechanical Lab, Department of Anesthesiology and Critical Care, Hospital S.G.B, Torino, Italy

**Nov 2002 – Jul 2004: Intern** and laboratory experience for the experimental thesis at Department of Anesthesiology and Critical Care, Hospital S.C, Pisa, Italy.

**School of medicine and surgery Senate, University of Pisa**

**Nov 2001 – Jul 2004:** Students' representative

**Class of Experimental Sciences Senate, Scuola Superiore Sant'Anna**

**Oct 2001 – Oct 2003:** Representative of Allievi ordinari

**Calcutta Village Project ONLUS, Pisa, Italy**

**Nov 2001 – Nov 2004:** President, Fund raising activity.

**Oct 2001 – Nov 2001:** Clinical stage in University Hospital of Maceiò, Department of Pediatrics, Alagoas, Brazil

**Oct 2000:** Recipient of a study program for experimental issues in microgravity condition, European Space Agency, Bordeaux, France

### **PROFESSIONAL SKILLS**

**Cardiac Surgery:** Cardiac Anesthesiology and Minimally Invasive Cardiac Anesthesiology techniques, expert in infusion of retrograde cardioplegia infusion through propledge® probe, expert in 2D and 3D transesophageal echography, TAVI anesthesiological management. Expert in Heart Transplant surgery and Aortic Dissection surgery. Management of Postoperative Intensive Care for heart surgery.

**Thoracic Surgery:** Positioning of thoracic and lumbar peridural catheter, selective intubation, fibroscopy, one-lung ventilation, Video Assisted Thoracic Surgery. Management of Postoperative Intensive Care of pulmonary Surgery.

**Vascular Surgery:** management of central vascular surgery and minimally invasive central vascular surgery. Management of peripheral vascular surgery, peripheral nerve blocks. Postoperative management of central Vascular surgery.

**Other:** Good experience in gynecological and obstetric surgery, urologic surgery, abdominal surgery and specifically bariatric surgery, orthopedic surgery, pediatric surgery.