

Giulio Pompilio

Curriculum vitae

Work experience

January 2005- today Centro Cardiologico Monzino IRCCS Department of Cardiovascular Surgery Senior Staff Surgeon

May 2014 – today Centro Cardiologico Monzino IRCCS Laboratory of Vascular Biology and Regenerative Medicine Head

March 2008 – May 2014 Centro Cardiologico Monzino IRCCS Laboratory of Vascular Biology and Regenerative Medicine, Clinical Director

March 2006 – today University of Milano, School of Medicine Department of Clinical and Community Sciences Assistant Professor of Cardiac Surgery

June 2005 – today Centro Cardiologico Monzino Institute of Research and Care of National Interest (IRCCS) Senior Staff Surgeon - Head, Clinical Research Unit for Cardiovascular Regeneration

March 2004 – May 2005 Policlinico di Monza Cardiac Surgery Head of Cardiac Surgery Unit.

1994 – 2004 Centro Cardiologico Monzino IRCCS Cardiac Surgery Assistant/Senior Assistant surgeon

Education and training

December 2013 National Scientific Licence (MIUR) Full professor in Cardiac Surgery

2001 University of Milan, School of Medicine PhD in Cardiovascular Pathophysiology

1994-1995 Cliniques Universitaires UCL de Mont-Godinne, Belgium (prof. JC Schoevaerdt). Fellowship in Cardiovascular&Thoracic Surgery

1989-1994 University of Milan, School of Medicine Specialist accreditation in Cardiac Surgery (70/70 summa cum laude)

1983-1989 University of Milan, School of Medicine Medical degree (MD) (110/110 summa cum laude)

Organisational skills and competences

From January 2011 - today: Scientific Director, AriSLA, Italian Foundation for Research on Amyotrophic Lateral Sclerosis (ALS), one of the largest European Charities on ALS. Dr. Pompilio's mandate consists in leading AriSLA's scientific and funding activities and managing a strict, peer-review, merit-based evaluation system.

From 2001 - today: member of the Scientific Direction coordinating board, Centro Cardiologico Monzino IRCCS, Milan, Italy.

From 2003 – July 2013, Executive/Associate Editor of the Journal of Medicine and the Person (Ed. Limes, Milano, Italy).

Academic years 2004-05: tenured professor, School of Cardiac Surgery, University of Milan.

From 2006 - today: National coordinator, Study Group on Cardiac Cell Therapy, Italian Federation of Cardiology (FIC).

From 2009 - today: Chair, Safety Monitoring Board, of Phase III international multicenter trial (PERFECT, Principal Investigator Prof. Gustav Steinhoff, Rostock, Germany)) of CD133+ bone-marrow-derived cells intramyocardial injection in patients receiving coronary artery bypass grafting.

From April 2010 - today: external expert for cardiovascular advanced therapies for the European Medicines Agency (EMA).

Dr. Pompilio has been recipient from 2000 to 2013 as Unit or Project PI of national and international competitive grants for a total of 1.540.062 Euro.

He has published 124 (103 indexed) scientific papers on international peer-reviewed journals with an Impact Factor > of 250. H-Index: 22 (Scopus database, June 2014). He has given 33 Invited Lectures in national and international Meetings.

Technical skills and competences

He is Senior Staff Surgeon at Centro Cardiologico Monzino IRCCS, Milan. His surgical records include more

than 1500 cardiac surgical procedures and more than 150 major vascular interventions as first operator. He has run the program of minimally invasive coronary surgery (MIDCAB operation) at Centro Cardiologico Monzino since 2005. His certified cumulative mortality (PATS system) from 2005 to September 2013 is 0.9%.

He is a clinician scientist with 15 years experience in cardiovascular clinical and surgical research. He is a pioneer in Italy of gene therapy trials for peripheral vasculopathy and cardiac stem cell therapy. In particular, he served as Principal/Co-principal Investigator in the following phase I-III studies of regenerative cardiovascular medicine:

-Efficacy and Safety Study of NV1FGF in Patients With Severe Peripheral Artery Occlusive Disease. (PM201); 2002-2004.

-Pilot Study: self-transplant of stem cells for refractory myocardial ischemia (2004-present)

-Phase II randomized trial of autologous bone-marrow intramyocardial transplantation in patients undergoing by-pass surgery (2007-2009)

- Phase III trial of NV1FGF in Patients With Severe Peripheral Artery Occlusive Disease. (TAMARIS); 2008-2010.

- Phase II trial of G-CSF administration in large anterior STEMI (STEM-AMI): 2006-2011.

- Phase I trial of catheter-based delivery of BM-derived CD133+ cells in refractory cardiomyopathy (RECARDIO): recruiting.

- Phase III nation-wide trial of G-CSF administration in large anterior STEMI (STEM-AMI OUTCOME): recruiting.

Member of:

- Italian Society of Cardiac Surgery

- International Society for Minimally Invasive Cardiac Surgery

Ad hoc reviewer - Journals:

- Circulation (2006-2007).

- The Annals of Thoracic Surgery (1999; 2002-2007).

- Journal of Thoracic and Cardiovascular Surgery (2006,2007,2009).

- European Journal of Cardiothoracic Surgery (2010)

- Gene Therapy (2001, 2003, 2012).

- British Journal of Pharmacology (2002).

- European Journal of Echocardiography (2008).

- Italian Heart Journal (2003,2005).

- Journal of Cardiovascular Medicine (2006-2009)

- International Journal of Cardiology (2006-2012).

- Giornale Italiano di Cardiologia (2006-2007).

- Neurological Sciences (2007).

- PlosOne (2012,2013)

- Cardiovascular Research (2014)

Ad hoc reviewer – grant applications:

Ministero dell'Istruzione, Università e Ricerca

Publications

-CIRCULATING MICRORNAS ARE NEW AND SENSITIVE BIOMARKERS OF MYOCARDIAL INFARCTION. Eur Heart J 31 2010 D'Alessandra Y, Devanna P, Limana F, Straino S, Di Carlo A, Brambilla PG, Rubino M, Carena MC, Spazzafumo L, De Simone M, Micheli B, Biglioli P, Achilli F, Martelli F, Maggiolini S, Marenzi G, Pompilio G, Maurizio MC.

-GRANULOCYTE COLONY-STIMULATING FACTOR ATTENUATES LEFT VENTRICULAR REMODELLING AFTER ACUTE ANTERIOR STEMI.RESULTS OF THE SINGLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED MULTICENTER STEM CELL MOBILIZATION IN ACUTE MYOCARDIAL INFARCTION (STEM-AMI) TRIAL. Eur J Heart Fail 12 2010 Achilli F, Malafrente C, Lenatti L, Gentile F, Dadone V, Gibelli G, Maggiolini S, Squadroni L, Di Leo C, Burba I, Pesce M, Mircoli L, Capogrossi MC, Di Lelio A, Camisasca P, Morabito A, Colombo G, Pompilio G.

-Transcriptional Profiling of Hmgb1-Induced Myocardial Repair Identifies a Key Role for Notch Signaling. Mol Ther 2013 Limana F, Esposito G, Fasanaro P, Foglio E, Arcelli D, Voellenkle C, Di Carlo A, Avitabile D, Martelli F, Antonio Russo M, Pompilio G, Germani A, C Capogrossi M.

-c-kit-Positive cardiac progenitor cells: the heart of stemness. Circ Res 112 2013 Magenta A, Avitabile D, Pompilio G, Capogrossi MC.

-G-CSF treatment for STEMI: final 3-years follow-up of the randomised placebo-controlled STEM-AMI trial Heart 100 2014 Achilli F, Malafronte C, Maggiolini S, Lenatti L, Squadroni L, Gibelli G, Capogrossi MC, Dadone V, Gentile F, Bassetti B, Di gennaro F, Camisasca P, Calchera I, Valagussa L, Colombo GI, Pompilio G