

Curriculum Vitae

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Born in Dicembre 15, 1965, Ceccano (Fr).

EDUCATION:

1989 : Biological Sciences degree, with honors, "La Sapienza" Università di Roma.
1995: PhD degree in Morphogenetic and Cytological Science, "La Sapienza" Università di Roma
2007: Medical Doctor, "La Sapienza" Università di Roma
2008: Board Certification in General Medicine

POSTDOCTORAL TRAINING:

1991-1995: PhD in Morphogenetic and Cytological Science, , "La Sapienza" Università di Roma.
1996: Postdoctoral Fellow at the "Unité de Génétique de la Différenciation"-Institut Pasteur, Paris, France.
1996-1998: Postdoctoral Fellow (Post-Vert) at the laboratory of Molecular and Cellular Oncology, INSERM U363-ICGM Hopital Cochin, Paris.
1998-2000 : Training and Mobility Research fellow (TMR N°ERBFMBICT983165) at the laboratory of Molecular and Cellular Oncology, INSERM U363-ICGM Hopital Cochin, Paris.
2001- to date: Staff Scientist, Laboratorio di Patologia Vascolare, Istituto Dermopatico dell'Immacolata-IRCCS, Rome, Italy.
2001- August 2006: Staff Scientist, Laboratorio di Biologia Vascolare e Medicina Rigenerativa, Centro Cardiologico Monzino, Milan, Italy.
2006- to date: Staff Scientist, Fondazione Livio Patrizi, at the Istituto Dermopatico dell'Immacolata-IRCCS, Rome, Italy.

Patents:

- 1) Use of HMGB1 in the treatment of tissue damage and/or to promote tissue repair. (WO2004004763).
- 2) Use of the HMGB1 and analogues thereof for wound repairing (WO2006008779).

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Original articles

1. **Germani A.**, Musaro' A., Fusco C., Martinotti S., Molinaro M. & B.M. Zani. TPA induced differentiation of human Rhabdomyosarcoma cells involves dephosphorylation and nuclear accumulation of mutant p53. *Biochem. Biophys. Res. Comm.* 202:17-23; 1994.
2. Musaro' A., Cusella De Angelis M.G., **Germani A.**, Ciccarelli C., Molinaro M., B.M. Zani. Enhanced expression of muscle specific regulatory genes during aging. *Exp. Cell. Res.* 221: 241-248; 1995.
3. Puri P.L., Medaglia S., Cimino L., Maselli C., **Germani A.**, De Marzio E., Levrero M., C.Balsano. Uncoupling of p21 induction and MyoD activation results in the failure of irreversible cell cycle arrest in doxorubicin-treated myocytes. *J. Cell. Biochem.* 66: 27-36; 1997.
4. Romero F., **Germani A.**, Puvion E., Camonis J., Varin Blank N., Gisselbrecht S., S.Fischer. Vav Binding to hnRNP C. Evidence for Vav/hnRNP interactions in an RNA-dependent manner. *J. Biol. Chem.* 273: 5923-5931; 1998.
5. **Germani A.**, Romero F., Camonis J., Gisselbrecht S., Fischer S., N. Varin-Blank. hSiah2 is a new Vav binding protein which inhibits Vav-mediated JNK and NFAT activation. *Mol. Cell. Biol.* 19: 3798-

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6. Bruzzoni-Giovanelli H., Faille A., Linarez-Cruz G., Nemani M., Le Deist F., **Germani A.**, Chassoux D., Millot G., Roperch J-P, Amson R., Telerman A., F. Calvo. Siah1 inhibits cell growth by altering the mitotic process. *Oncogene*;18:7101-9;1999.
 7. **Germani A.**, Bruzzoni-Giovanelli H., Fellous A., Berda P., Gisselbrecht S., Varin-Blank N., F. Calvo. Siah-1 regulates the mitotic process through its interaction with Kid and α -tubulin. *Oncogen*; 19:5997-6006; 2000.
 8. Houlard M., Arudchandran R., Reigner-Ricard F., **Germani A.**, Gisselbrecht S., Blank U., Rivera J., N. Varin-Blank. Vav 1 is a component of transcriptionally active complexes. *J. Exp Med.* 195: 1115-1127, 2002.
 9. **Germani A.**, Malherbe S., E. Rouer. The exon 7-spliced in T lymphocytes: a potential regulator of p56lck signaling pathways. *Bioch. Bioph. Res Comm.* 301:680-685. 2003.
 10. **Germani A.**, Di Carlo A., Mangoni A., Giacinti C., Turrini P., Biglioli P., M.C. Capogrossi. Vascular Endothelial Growth Factor Modulates skeletal myoblast function *Am J Pathol.*; 163:1417-28; 2003.
 11. **Germani A.**, Prabel A., Mourah S., Di Carlo A., Gisselbrecht S., Varin-Blank N., Calvo F., H. Bruzzoni-Giovanelli. SIAH-1 interacts with CtlP and promotes its degradation by the proteasome pathway *Oncogene.* 22:8845-885;2003.
 12. Di Carlo A., De Mori R., Martelli F., Pompilio G., Capogrossi M.C., **A. Germani.** Reversible inhibition of myoblast differentiation by hypoxia through accelerated Myod degradation. *J. Biol Chem.* 279, 16; 16332-16338, 2004.
 13. Hulard M., Romero-Portillo F., **Germani A.**, Depaux A., Reigner-Ricard F., Gisselbrecht S. and N. Varin-Blank. Characterization of VIK-1: a new Vav-interacting Kruppel-like protein. *Oncogene*, 24:28-38;2005.
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 15. Zaccagnini G., Gaetano C., Della Pietra L., Nanni S., Grasselli A., Mangoni A., Benvenuto R., Truffa S., **Germani A.**, Moretti F., Pontecorvi A., Sacchi A., Bacchetti S., Capogrossi M. C., A. Farsetti. Activation of telomerase through VEGF signaling triggers angiogenesis in response to hindlimb ischemia *J Biol Chem.* 280:14790-8;2005.
 16. Limana F. *, **Germani, A***. Zacheo A, Kajstura J., Di Carlo A., Borsellino G., Leoni O., Palumbo R., Battistini L., Rastaldo R., Müller S., Pompilio G., Anversa P., Bianchi M. E., M. C. Capogrossi. Exogenous High-Mobility Group Box 1 protein induces myocardial regeneration following infarction via enhanced cardiac c-kit⁺ cell proliferation and differentiation. *Circ. Res.* 2005;97(8):e73-83. *contributed equally to this work and # corresponding author.
 17. Santucci L., Mencarelli A., renga B., Pasut, G. Veronese F., Zacheo A., **Germani A.**, S. Fiorucci. Nitric oxide modulates pro and anti-apoptotic properties of chemotherapy agents: the case of NO-pegylated epirubicin. *Faseb J.*765-7;2006.
 18. Abbate A., Limana F., Capogrossi M. C., Santini D., Biondi-Zoccai G. G.L., Scarpa S., **Germani A.**, Straino S., Severino A., Vasaturo F., Campioni M., Liuzzo G., Crea F., Vetrovec G. W., Biasucci L. M., A. Baldi. Cyclo-oxygenase-2 (cox-2) inhibition reduces apoptosis in acute myocardial infarction. *Apoptosis.* 11:1061-3;2006.
 19. Di Rocco G., Iachininoto M.G., Tritarelli A., Straino S., Zacheo A., **Germani A.**, Crea F., M.C. Capogrossi. Myogenic potential of adipose tissue-derived cells. *J Cell Science* 119: 2945-52;2006.
 20. Depaux A., Reigner-Ricard F., **Germani A.**, N. Varin-Blank. Dimerization of hSiah proteins regulates their stability. *Biochem Biophys Res Commun.* 348:857-863;2006.
 21. Depaux A, Regnier-Ricard F, **Germani A**, Varin-Blank N. A crosstalk between hSiah2 and Pias E3-ligases modulates Pias-dependent activation. *Oncogene.* 26:6665-76;2007
 22. Limana F., Zacheo A., Mocini D., Mangoni A., Borsellino G., Diamantini A., De Mori R., Battistini L., Vigna E., Santini M., Loiaconi V., Pompilio G., **Germani A.** and M. C. Capogrossi. Identification of cardiac and endothelial precursor cells in human and mouse epicardium. *Circ. Res.*101:1255-65; 2007.
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- action on human and murine cardiac stem cells. *J Mol Cell Cardiol.* 44:683-93; 2008.
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 27. Limana F., Bertolami C., Mangoni A., Di Carlo A., Avitabile D., Mocini D., Iannelli P, De Mori R., Marchetti C., Pozzoli O., Gentili C., Zacheo A., **Germani A.** and M. C. Capogrossi. Myocardial infarction induces embryonic reprogramming of epicardial c-kit⁺ cells: role of the pericardial fluid. *J Mol Cell Cardiol* 2010;48:609-18.
 28. Valorani M.G., **Germani A.**, Otto W.R. , Harper L , Biddle A , Khoo C.P., Lin W.R., Hawa M.I., Tropel P, Patrizi M.P., Pozzilli P., Alison M.R. Hypoxia increases Sca-1/CD44 expression in murine mesenchymal stem cells and enhances their differentiation potential. *Cell and Tissue Res*, 2010 May 23. [Epub ahead of print]

Review articles and Book Chapters:

1. Pompilio G., Cannata A., Capogrossi M. C., Alamanni F., Pesce M., **Germani A.**, P. Biglioli. Autologous Cellular Cardiomyoplasty in humans: can we hit the mark? *Ital. Heart J.* 3:1188-1197, 2002.
2. **Germani A.**, Di Rocco G., Limana F., Martelli F., M. C. Caporossi. Molecular mechanisms of cardiomyocyte regeneration and therapeutic outlook. *Trends in Molecular Medicine*, 13:125-133. 2007
3. **Germani A.**, Limana F. and M. C. Capogrossi. High Mobility Group Box 1 protein: a cytokine with a role in cardiac repair. *J. Leuk Biol.* 2007; 81(1):41-5.
4. **Germani A.**, Limana F. and M. C. Caporossi. Activation of the local regenerative system of the heart. In Cardiac Regeneration and Stem. *Blackwell Publishing Ltd.* 2007.
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6. Pomilio G., Capogrossi M.C., Pesce M., Alamanni F., Di Campli C., Achilli F., **Germani A.**, Biglioli P. Endothelial progenitor cells and cardiovascular homeostasis: clinical implications. *Int. J. of Cardiol.* 131:156-67. 2009

TEACHING - SUPERVISION OF BIOLOGICAL SCIENCE (BS) AND PHD STUDENTS:

- Academic year 2002-2003, BS degree, Dr. R. e Mori: Hypoxia inhibits muscle cell proliferation and differentiation, analysis of molecular mechanisms. "La Sapienza" Università di Roma
- Academic year 2004-2005, BS degree, Dr. A. Zacheo: Role of the cytochine HMGB1 in cardiac tissue re generation following infarction. Università degli Studi "Roma 3"
- Academic year 2006-2007, PhD, Dr. A. Rossini: Hmgb1-stimulated human primary cardiac fibroblasts exert a paracrine action on cardiac c-kit⁺ cells. Università degli Studi di Parma.
- Academic year 2008-2009, BS degree, Dr C. Marchetti: Role of the enzyme DPPIV/CD26 in HMGB1-induced angiogenesis. "La Sapienza" Università di Roma
- Academic year 2008-2009, BS degree, Dr. E. Berardi. Identification, characterization and therapeutic potential of cardiac stem cells. "La Sapienza" Università di Roma