

CURRICULUM VITAE

Last Name: SOLDATI
First Name: Gianni
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Date of birth: March 10, 1958
Birthplace: Lugano
Nationality: Swiss
Marital status: married to Cecilia Guerini, 1962, two children, Adrian born in 1992 and Nora born in 1995
AVS number: 791.58.172.211

Present positions:

- President and Head of Research of the Swiss Stem Cell Foundation, Lugano, Switzerland
- Founder and CEO of the “Laboratorio di Diagnostica Molecolare” in Lugano
- Cord Blood Bank Director, Genes Cord Blood Bank

Memberships:

- Founding member of the Swiss Cytometry Society
- Founding member of the Società Ticinese per le Scienze Biomediche e Chimiche (STSBC)
- Founding member of the Associazione della Svizzera Italiana per la Ricerca Biomedica (ASIRB)
- Founding member of the Biopolo Ticino
- Founding member of the Alpine Foundation for Life Sciences, Olivone, Switzerland
- Member of the Swiss Society for Medical Genetics
- Member of the Swiss Society for Biochemistry
- Member of the Tessiner Society for Natural Sciences
- Member of the Swiss Society for Legal Medicine (SSLM)
- Member of the Group Hemogenetics of the SSLM

Reviewer.

- Cell Transplantation
- PLOS ONE
- Journal of Stem Cells Research
- J Stem Cell Res Transplantation
- Aesthetic Plastic Surgery

Professional background in laboratory conception.

1998. Design and construction of the Molecular Diagnostic Laboratory in Savosa, Lugano, Switzerland. Conception of the spaces needed for the operation of a diagnostic laboratory performing molecular biology analyses.

2002. Move the Molecular Diagnostic Laboratory in Lugano, Piazza Cinque Vie. Design and construction.

2004. Move the Molecular Diagnostic Laboratory to the Cardiocentro Ticino, Lugano, Switzerland. Design and construction of labs for performing molecular biology analytics and design and construction of laboratories for forensic genetic analyses.

2005. Design and construction of laboratories inside the Cardiocentro Ticino for cord blood banking, i.e. collection, reception, processing and liquid nitrogen storage of cord blood samples.

2006. Design and construction of the Headquarters of the Alpine Foundation for Life Sciences in Olivone, Switzerland.

2007. Design and construction in the Cardiocentro Ticino of a Clean room, designed for human cell therapies (stem cells), authorized by Swissmedic in September 2009.

2011. Design and construction of the Swiss Stem Cell Institute in Lugano, Switzerland, Headquarters and Laboratories of the Swiss Stem Cell Foundation. The Institute is a 4500 sqm building fully equipped with cell culture labs, molecular biology labs and clean rooms for human stem cell therapies and administrative spaces.

2012. Move transiently the Molecular Diagnostic Laboratory and the Forensic Genetic Laboratory to Gentilino. Design and construction.

2012. Design and construction of the Genes cord blood bank in Gentilino, Switzerland for the processing of cord blood samples.

Professional background:

High School (1976-1979)

"Scuola Magistrale Cantonale", Lugano, Switzerland. Teaching Diploma.

Undergraduate (1981-1986)

University of Geneva, Geneva, Switzerland. Diploma in Biology. (Laboratory of Dr. A. Kato, CMU Dpt. of Pharmacology, Resp. Prof. Y. Dunant. "Une amélioration de la méthode de l'immunisation in vitro pour la production d'anticorps monoclonaux").

Ph. D. Studies. (1986 - 1991)

- University of Basel, Frauenklinik laboratories, Prof. U. Eppenberger.
- Pharmacological Institute, University of Basel, Prof. H.H. Linde.
- Reproductive Endocrinology Center, "La Carità" Hospital, Locarno, Switzerland, Dr. M. Balerna.

Thesis: Biological activities of a partially purified albumin-bound factor from human peritoneal fluids able to immobilize spermatozoa.

Post-doctoral studies.

1991-1993.

- Setup of a new ELISA test for the detection of p53 in tumor tissues
- Development of the Tumorbank, a network database based in Basel for the registration of tumors
- University of Basel, Zentrum für Lehre und Forschung, (Prof. U. Eppenberger, Dr. H. Müller, Dr. W. Küng) and Friedrich Miescher Institut (Dr. Y. Nagamine). Characterization of a new purified substance from breast cancer cell lines. Effects on the expression of the estrogen- and epidermal growth factor-receptor mRNA.

1993. Awarded of the Huggenberger-Bischoff Stiftung zur Krebsforschung.

Institute for Child Health, London (Dr. F. Cotter). Setup of the fluorescent in situ hybridization (FISH) technique for interphase cytogenetics.

1994-1997. In charge of the Fluorescent in situ hybridization (FISH) diagnostics at the Servizio Oncologico Cantonale (Prof. F. Cavalli), "La Carità" Hospital in Locarno.

1997. Founder and CEO of the Laboratorio di Diagnostica Molecolare, Lugano, Switzerland

2005. Creator and Founder of the Swiss Stem Cell Bank

2009 to date. Founder and President of the Swiss Stem Cell Foundation

2011 to date. Head of the Research of the Swiss Stem Cell Foundation

Professional Experience.

Immunology:

- Cell cultures.
- *In vitro* immunization.
- ELISA.
- Monoclonal antibody production.
- Immunophenotyping by FACS.
- Radial immunodiffusion.

Biochemistry:

- Protein purification with:
 - Low pressure MW-sieving and ion-exchange chromatography.
 - High pressure MW-sieving and ion-exchange chromatography (HPLC).
- Gradient SDS-polyacrylamide gel (PAGE) and isoelectrofocusing (PAGE) gel.
- Thin layer chromatography.

Molecular biology:

- Setup of PCR molecular diagnostic tests in medical genetics (restriction analysis) and microbiology.
- Protein truncation test for BRCA1/2 and hNPCC diagnosis.
- Sequence for p53.
- Fluorescent in situ hybridization (FISH) for chromosomal translocations.
- Single strand conformation polymorphism (SSCP).
- Northern Blots.
- FACS analysis and sorting.
- Radioactive- and DIG-detection of nucleic acids.
- Bacterial transformation, plasmid growth and selection.
- RNA and polyA RNA purification.
- Purification of precursor blood cells by flow cytometry.
- Detection of p53 protein by Elisa test
- Detection of intracellular p53 by flow cytometry in precursor blood cells.

Computers:

- Development of a PC-based software (ASAR 4) for management of seminal analyses (1990-1991).
- Development of a PC-based software for management of tumor tissues for the Swiss Tumor Bank Project at the Kantonsspital Basel.

List of publications in International Journals:

1. Erkman L., **Soldati G.**, James R.W. and A.C. Kato. (1987). Partial purification of lymphoblasts after *in vitro* immunization increases the yield in Ig-producing hybridomas. *J. Immunol. Meth.* 98:43-52.
2. Balerna M., **Soldati G.**, Piffaretti-Yanez A. and Campana A. (1989). Immunological factors in female infertility. *Biochemical aspects on the immunopathology of reproduction. Acta Medica Press* 175-193.
3. **Soldati G.**, Piffaretti A.Y., Campana A., Marchini M., Luerti M. and Balerna M. (1989). Effect of peritoneal fluid on sperm motility and velocity distribution using objective measurements. *Fertil. Steril.* 52:113-119.
4. Rosselli M., Marchini M., **Soldati G.**, Campana A and M. Balerna. (1990). Removal of sperm-coat from human spermatozoa by interaction with cervical mucus or a capacitating medium. *Andrologia* 22:543-547.
5. Falcone L., **Soldati G.**, Piffaretti-Yanez A., Marchini M., Balerna M. and U. Eppenberger (1991). Follicular fluid enhances sperm motility and velocity *in vitro*. *Fertil. Steril.* 55(3):619-623.
6. **Soldati G.**, Piffaretti-Yanez A., Balerna M., Eppenberger U. (1991). Purification of a sperm motility inhibiting factor from human peritoneal fluids. *Prog. Reprod. Biol. Med.* 15 (11): 1-5.
7. Revelli A., **Soldati G.**, Stamm J., Massobrio M., Piffaretti-Yanez A. and Balerna M. (1992). Effect of volumetric mixtures of peritoneal and follicular fluid from the same woman on sperm motility and acrosomal reactivity *in vitro*. *Fertil. Steril.* 57(3):654-660.
8. **Soldati G.**, Piffaretti-Yanez A., Balerna M., and Eppenberger U. (1992). Purification of a sperm motility inhibiting factor from human peritoneal fluids. *Prog. Reprod. Biol. Med. Basel, Karger*, 15:86-93.
9. Guidi F., Revelli A., **Soldati G.**, Stamm J., Massobrio M., Piffaretti-Yanez A. and Balerna M. (1993). Influence of peritoneal fluids from spontaneous and stimulated cycles on sperm motility *in vitro*. *Andrologia* 25:71-76.
10. **Soldati G.**, Piffaretti-Yanez A., Balerna M. and U. Eppenberger (1993). Purification of a factor from human peritoneal fluids able to immobilize spermatozoa. *Human Reprod.* 8(3): 428-436.
11. Zucca E, **Soldati G.**, Schlegelberger B., Booth M.J., Weber-Matthiesen K., Cavalli F. and Cotter F.E. (1995). Detection of the t(11;14) translocation in blood and bone marrow by interphase cytogenetics in mantle cell lymphoma. *British J. Hematol.*89:665-668.
12. F. Keller, G. Togni, **G. Soldati**, T. Balmelli, G. Medici, K. Rose and M. Balerna. (1997). Nature's motility blockers: controlling human sperm motility machinery from outside. *Chemical characterization of a peritoneal fluid lipid that induces sperm immobilization. Mol. Hum. Reprod.* 3(3):241-248.
13. G. Filippini, S. Griffin, M. Uhr, H.M. Eppenberger, P. Bonilla, F. Cavalli and **G. Soldati** (1998). A novel flow cytometric method for the quantification of p53 gene expression. *Cytometry* 31: 180-186.
14. T. Balmelli and **G. Soldati** (1997). *La genetica molecolare nella diagnosi medica, Tribuna Medica Ticinese*, 62(12).

15. G. Filippini, T. Balmelli, H. Eppenberger, and **G. Soldati** (1999). Flow cytometric detection of p53 protein after incubation of a pre-B cell line with anti-tumor agents. *Cytometry* 35: 267-273.
16. A. Revelli, **G. Soldati**, C. Costamagna, O. Pellerey, E. Aldieri, M. Massobrio, A. Bosia, and D. Ghigo (1999). Follicular fluid proteins stimulate nitric oxide synthesis in human sperm: a possible role for NO in acrosomal reaction. *J. Cell. Physiol.* 178: 85-92.
17. H. Stricker, **G. Soldati**, T. Balmelli and G. Mombelli (2001). Homocysteine, vitamins and gene mutations in peripheral arterial disease. *Blood Coagulation and Fibrinolysis.* 12: 469-475.
18. **G. Soldati** and L. Attanasio (2002). Le basi genetiche della malattia celiaca: conferme ed ipotesi. *Trib. Med. Tic.* 67: 354-357.
19. **G. Soldati**, K. Mulders, T. Balmelli and M. Gola (2004). Farmacogenomica: alla ricerca del medicamento perfetto: il caso dell'azatioprina. *Trib. Med. Tic.* 69: 15-18.
20. Giuseppe Astori, Francesca Vignati, Silvana Bardelli, Monica Tubio, Mauro Gola, Veronica Albertini, Franco Bambi, Giancarlo Scali, Damiano Castelli, Valeria Rasini, **Gianni Soldati** and Tiziano Moccetti (2007). Aspetti scientifici e normativi dei protocolli di terapia cellulare: l'esperienza dell'Unità di terapia cellulare del Cardiocentro Ticino. *Tribuna Medica Ticinese, Vol 72, pp 175-179.*
21. Giuseppe Astori, Francesca Vignati, Silvana Bardelli, Monica Tubio, Mauro Gola, Veronica Albertini, Franco Bambi, Giancarlo Scali, Damiano Castelli, Valeria Rasini, **Gianni Soldati** and Tiziano Moccetti (2007). "In vitro" and multicolor phenotypic characterization of cell subpopulations identified in fresh human adipose tissue stromal vascular fraction and in the derived mesenchymal stem cells. *Journal of Translational Medicine Vol 5, 55.*
22. M. Torretta, **G. Soldati**, M. Gola, G. Astori, M. Rossi, G.B. Pedrazzini, E. Pasotti, F.F. Faletra, C. Conca, L. Ceriani, A. Auricchio, T. Moccetti. Stem cells transplantation in ischemic myocardium: long-term follow-up result after autologous bone marrow-derived progenitor cells intracoronary infusion. 57th meeting of the america college of cardiology. March 29, April 1 2008, Chicago
23. M. Torretta, M. Rossi, **G. Soldati**, M. Gola, G. Astori, G.B. Pedrazzini, E. Pasotti, F.F. Faletra, C. Conca, L. Ceriani, A. Auricchio, T. Moccetti Stem cells transplantation after acute myocardial infarction: results of a long-term follow-up after autologous bone marrow-derived progenitor cells intracoronary infusion. Assemblée Annuelle de la Société Suisse de Cardiologie et de la Société Suisse d'Angiologie. Bern, May, 30, 2008.
24. Alex M Garvin, Michel Bottinelli, Mauro Gola, Ario Conti and **Gianni Soldati** (2009). DNA Preparation from Sexual Assault Cases by Selective Degradation of Contaminating DNA from the Victim. *Journal of Forensic Sciences, Nov; 54(6): 1297-1303.*
25. D. Sürder, T. Moccetti, G. Astori, **G. Soldati**, J. Schwitter, P. Erne, S. Windecker, R. Corti. From SWISS-AMI to CARDIASTIM. Translation of a clinical progenitor cell-based protocol into GMP. 18th International Postgraduate Course on cardiovascular disease. Davos, 15-20 february 2009-06-10
26. Soncin S., Lo Cicero V., Astori G., **Soldati G.**, Gola M., Sürder D. and Moccetti T. (2009). A practical approach for the validation of sterility, endotoxin and potency testing of bone marrow mononucleated cells used in cardiac regeneration in compliance with good manufacturing practice. *Journal of Translational Medicine, Sep, 8;7:78.*

27. Giuseppe Astori, Sabrina Soncin, Viviana Lo Cicero, Francesco Siclari, Daniel Sürder, Lucia Turchetto, **Gianni Soldati**, and Tiziano Moccetti. (2010). Bone marrow derived stem cells in regenerative medicine as Advanced Therapy Medicinal Products. *Am J Transl Res* 2010;2(3):285-295
28. Sürder D., Schwitter J., Moccetti T., Astori G., Lo Cicero V., Soncin S., **Soldati G.**, Windecker S., Moschovitis A., Erne P., Jamshidi P., Plein S., Manka R., Landmesser U., Lüscher TF., Corti R. (2010). Cell-based therapy for myocardial repair in patients with acute myocardial infarction: The SWISS multicenter Intracoronary Stem cells Study in Acute Myocardial Infarction (SWISS-AMI). *American Heart Journal*, *Am Heart J. Jul*;160(1):58-64.
29. Silvana Bardelli, Giuseppe Astori, Daniel Sürder, Tiziano Tallone, Andre Terzic, **Gianni Soldati**, Tiziano Moccetti. (2010). Stem Cell Update: Highlights from the 2010 Lugano Stem Cell Meeting. *J Cardiovasc Transl Res*. 2010 Oct 30.
30. Tiziano Tallone, Andreas Böhmeler, Christopher Kornfeld, Giuseppe Vassalli, Tiziano Moccetti, Silvana Bardelli and **Gianni Soldati** (2010). Adult human adipose tissue contains several types of multipotent cells. *J Cardiovasc Transl Res*. 2011 Apr;4(2):200-10.
31. Tiziano Tallone, Giovanna Turconi, **Gianni Soldati**, Giovanni Pedrazzini, Tiziano Moccetti, Giuseppe Vassalli. (2010). Heterogeneity of Human Monocytes: An Optimized Four-Color Flow Cytometry Protocol for Analysis of Monocyte Subsets. *Journ. Cardiovasc. Translat. Res*. Apr;4(2):211-9.
32. Giorgio Bronz and **Gianni Soldati**. (2011). Storage of Adipose Stem Cells. A chapter in: *Adipose Stem Cells and Regenerative Medicine* by Y. G. Illouz and A. Sterodimas. Springer-Verlag Berlin Heidelberg Editions, Germany.
33. G. Astori, F. Bambi, **G. Soldati**, D. Sürder and T. Moccetti. (2011). Autologous bone marrow mononucleated cell preparation for the clinical treatment of acute myocardial infarction and peripheral arterial disease. *Cytotherapy* 13: 1031–1035.
34. Moccetti T, Sürder D, Klersyc C, Vassalli G, Crljenica C, Rossi MG, Pasotti E and **Soldati G** (2012) Sustained improvement in left ventricular function after bone marrow-derived cell therapy in patients with acute ST elevation myocardial infarction. A 5-year follow-up from the Stem Cell Transplantation in Ischaemic Myocardium Study. *Swiss Med Wkly*. 142:w13632.
35. Alex M Garvin, Andrea Fischer, Jutta Schnee-Griese, Andrea Jelinski, Michel Bottinelli, **Gianni Soldati**, Monica Tubio, Vincent Castella, Nathalie Monney, Naseem Malik, Michelle Madrid. (2012). Isolating DNA from sexual assault cases: a comparison of standard methods with a nuclease-based approach. *Investigative Genetics* 3:25.
36. Minonzio G, Corazza M, Mariotta L, Gola M, Zanzi M, Gandolfi E, De Fazio D and **Soldati G** (2014). Frozen adipose-derived mesenchymal stem cells maintain high capability to grow and differentiate. *Cryobiology* 69:211-216.

List of posters and free communications:

1. **Soldati G.**, Bernasconi V., Campana A. and Balerna M. (1986). Objective measure of motility and number of spermatozoa by means of multiple exposure technique. Poster presented at the International Congress on "Fertility Laboratory Techniques II", November 6-9, Bergamo, Italy.

2. **Soldati G.**, Piffaretti-Yanez A., Balerna M. and U. Eppenberger. (1990). Purification of a sperm motility inhibiting factor from human peritoneal fluids. Poster presented at the second International meeting of andrology, June 1-2, Tremezzo, Italy.
3. **Soldati G.**, Togni G., Eppenberger U. and Balerna M (1991). Purification of a peritoneal fluid factor able to immobilize human sperm. Free communication presented at the annual Meeting of the Swiss Fertility and Sterility Society, October 4-5, Lausanne, Switzerland..
4. **Soldati G.**, Medici G., Balerna M. and U. Eppenberger. (1992). Purification of a sperm motility inhibiting factor from human peritoneal fluids. Poster presented at the USGEB. March 1992, meeting in Basel, Switzerland.
5. Zucca E., **Soldati G.**, Cavalli F., Schlegelberger B. and Cotter F (1994). Feasibility of interphase fluorescent in situ hybridization (FISH) for the detection of the t(11;14) translocation in centrocytic (mantle-cell) lymphomas. Abstract presented at the First Meeting of the European Hematology Association, 2-5 June, Belgium, Brussels.
6. **Soldati G.**, Zucca E. and Cavalli F. (1995). Detection of minimal residual disease by fluorescent in situ hybridization (FISH) in mantle cell lymphomas. Abstract presented at the 27.th Meeting of the Swiss Societies for Experimental biology.30-31 March.
7. Bosshard G., **Soldati G.**, Sessa C., D'Incalci M., Ghiemini M. and Cavalli F. (1995). An in vitro model for myelotoxicity based on human umbilical cord blood progenitors cells to test new anti-tumor agents. Abstract presented at the 27.th Meeting of the Swiss Societies for Experimental biology.30-31 March.
8. G. Filippini, F. Cavalli, H.M. Eppenberger and **G. Soldati** (1996). Flow cytometric detection and quantitation of wild-type and mutant p53 in a pre-B cell line stimulated by etoposide. Abstract presented at the XVIII International Congress for analytical cytology, 13-18 April, Rimini, Italy.
9. G.J.M. Maestroni, M. Togni, G. Filippini and **G. Soldati** (1996). Neurocrine regulation of hematopoiesis. Free communication presented at the 25th annual meeting of the international Society for experimental hematology. August 23-27, New York, USA.
10. G. Filippini, M. Togni, GJM. Maestroni, H.M. Eppenberger, F. Cavalli and **G. Soldati** (1996). p53 activation mediates cell death or differentiation in a pre-B cell line. Poster presented at the 25th annual meeting of the international Society for experimental hematology. August 23-27, New York, USA.
11. G. Filippini, M. Togni, GJM. Maestroni, H.M. Eppenberger, F. Cavalli and **G. Soldati** (1997). Norepinephrine induced apoptosis in a pre-B cell line is not mediated by a known adrenergic receptor. Poster presented at the 29th annual meeting of the USGEB, March 20-21, Geneva, Switzerland.
12. T. Balmelli, G. Filippini, M. Balerna, H. Eppenberger and **G. Soldati** (1997). Effect of lysophosphatidylcholine on tumor cell growth and p53 expression. Poster presented at the 29th annual meeting of the USGEB, March 20-21, Geneva, Switzerland.
13. A. Bernasconi, T. Balmelli, G. Filippini, E. Zucca, F. Cavalli and **G. Soldati** (1997). FISH and nested-PCR in mantle cell lymphoma diagnosis: two faces of the same mirror. Poster presented at the Congress of Molecular Medicine, May 3-5, Berlin, Germany.

14. T. Balmelli, G. Filippini, M. Balerna and **G. Soldati** (1997). *FISH and nested-PCR in mantle cell lymphoma diagnosis: two faces of the same mirror*. Poster presented at the 12th. HIFCC European Congress of Clinical Chemistry, August 17-22, Basel, Switzerland.

15. **Soldati G**, Ph. D.1, Gola M. Ph. D. 1, Balmelli T. Ph. D. 1, Jaconi M. Ph. D. 3, Zammaretti P. 3, Rossi MG. MD2; Pasotti E. MD2; Pedrazzini G. MD2, Regazzoni S. 4 and Moccetti T. MD2. (2005). *Technical feasibility protocol of intracoronary infusion of high amounts of autologous bone marrow-derived mononuclear cells into infarct-related vessels of patient with an acute myocardial infarction*. Swiss Congress of Cardiology, June 2005, Lausanne.

16. Bardelli S., Astori G., **Soldati G**, Gola M, Chiara W, Balmelli T, Vignati F and Moccetti T (2006). *Adipose tissue as a source of stem cells for regenerative medicine*. Cell Therapy Unit, Cardiocentro Ticino. Poster presented at the Swiss Congress of Cardiology, June 21-23, Lausanne, Switzerland.

17. Sürder D., Astori G., **Soldati G**, Gola M, Moccetti T., and Corti R. (2007). *Early-phase clinical trials from the past year. The 3d International Conference on cell therapies for Cardiovascular diseases*, January 17-19, New York, USA.

18. Chairman at the 1st Trans European Stem Cell Therapy Consortium. International Lugano Conferente for Stem Cells applications (2007). January 12-13, Lugano, Switzerland.

19. Giuseppe Astori, Francesca Vignati, Silvana Bardelli, Monica Tubio, Mauro Gola, Veronica Albertini, Franco Bambi, Giancarlo Scali, Damiano Castelli, Valeria Rasini, **Gianni Soldati** and Tiziano Moccetti (2007). *GMP CELL PROCESSING OF BONE MARROW-DERIVED STEM CELLS: THE SWISS-AMI CLINICAL TRIAL*. International Society for Cell Therapy, June 24-27, Sydney, Australia.

20. Giuseppe Astori, Francesca Vignati, Silvana Bardelli, Monica Tubio, Mauro Gola, Veronica Albertini, Franco Bambi, Giancarlo Scali, Damiano Castelli, Valeria Rasini, **Gianni Soldati** and Tiziano Moccetti (2007). *Clinical application of BM-derived stem cells in AMI: GMP cell processing in the Swiss Ami clinical trial*. GE Cardiac cell therapy innovation symposia, September 18.19, Copenhagen, Denmark.

21. Bardelli S., Albertini V., Astori G., Gola M., Chiara W., Vignati F., Tubio M., **Soldati G** and Moccetti T. (2007). *Adipose tissue as a source of stem cells for regenerative medicine*. Cell Therapy Unit, Cardiocentro Ticino. Poster presented at the 3d World Congress on regenerative medicine, October 18-20, Leipzig, Germany.

22. Marco Torretta, **Gianni Soldati**, Mauro Gola, Giuseppe Astori, Marigrazia Rossi, Giovanni Pedrazzini, Elena Pasotti, Francesco Faletra, Cristina Conca, Luca Cerini, Angelo Auricchio, e Tiziano Moccetti (2008). *Stem cell transplantation in ischemic myocardium: long term follow-up results after autologous BM-derived progenitor cells intracoronary infusion*. Abstract submitted to the 57th annual Scientific Session of the American College of Cardiology, March 29-April 1, Chicago, USA.

23. Marco Torretta, Marigrazia Rossi, **Gianni Soldati**, Mauro Gola, Giuseppe Astori, Giovanni Pedrazzini, Elena Pasotti, Francesco Faletra, Cristina Conca, Luca Ceriani, Angelo Auricchio, e Tiziano Moccetti (2008). *Stem cell transplantation after acute myocardial infarction: results of a long term follow-up after autologous BM-derived progenitor cells intracoronary infusion*. Abstract submitted to the annual Session of the Swiss Cardiology Society, May 28-30, Bern, Switzerland.

24. Silvana Bardelli, Claudia Bearzi, Roberto Rizzi, Cynthia Carrillo-Infante, Adriana Bastos Carvalho, Domenico D'Amario, Arantxa Gonzalez, Roberto Bolli, Federico Quaini, Toru Hosoda, **Gianni Soldati**, Tiziano Moccetti, Piero Anversa, Jan Kajstura. *Human Cardiac Progenitor Cells Divide Symmetrically and Asymmetrically.*
25. S. Bardelli, G. Minonzio, G. Pertici, G. Aita, V. Albertini, M. Gola, G. Astori, **G. Soldati**, T. Moccetti and T. Tallone Swiss Stem Cell Foundation, Via Tesserete 48, CH-6900 Lugano (2009). *Clinically-Optimized Cell Culture Conditions In Combination With a New 3D-Scaffold For Human MSCs Bone Tissue Engineering International Society for Stem Cell Research ISSCR, 7th Annual Meeting-July 8-11, Barcelona-Spain.*
26. T. Tallone, G. Minonzio, G. Aita, S. Bardelli, M. Gola, V. Albertini, G. Pertici and **G. Soldati** (2009). *New Defined Cell Culture Conditions In Combination With a Nex 3D-scaffold For MSCs Bone Tissue Engineering. Abstract submitted to the 22th European Conference on Biomaterials (ESB), Sept 7-11, Lausanne, Switzerland.*
27. S. Bardelli, G. Minonzio, G. Aita, G. Pertici, V. Albertini, D. Vigetti, , M. Gola, T. Moccetti, T. Tallone and **G. Soldati** (2009). *Clinically-Optimized Cell Culture Conditions In Combination With A New 3D-Scaffold For Human MSC Bone Tissue Engineering. World Conference On Regenerative Medicine, (Oral presentation). October 29-31, Leipzig, Germany.*
28. T. Tallone, G. Minonzio, G. Turconi, S. Panella, G. Aita, S. Bardelli, M. Gola, T. Moccetti, and **G. Soldati**. *New serum-free culture conditions to grow adult adipose tissue-derived multipotent mesenchymal stromal cells (ATMSCs). USGEB Annual Meeting, Lugano (Switzerland), February 11-12, 2010.*
29. T. Tallone, G. Turconi, **G. Soldati**, M. Gola, T. Moccetti, and G. Vassalli. *Immunophenotypic analysis of circulating monocyte subsets in humans. USGEB Annual Meeting, Lugano (Switzerland), February 11-12, 2010.*
30. D. Sürder, M. Torretta, C. Crljenica, G. Astori, **G. Soldati**, S. Bardelli, F. Faletra, M. Rossi, E. Pasotti, G.B. Pedrazzini, T. Moccetti. *Long-term safety and efficacy data of the first progenitor cell based feasibility study in Switzerland. Poster submitted to*
31. *Adipose-derived mesenchymal stem cells in the human peri-pericardial compartment. Bardelli, S, Minonzio G, Aita G, Albertini V, Astori G, Tallone T, Moccetti T, **Soldati G**. 7th international Symposium on Stem Cell Therapy and Cardiovascular Innovations. Madrid, Spain, May 6-7th 2010.*
32. G. Astori, R. Corti, P. Erne, P. Jamshidi, U. Landmesser, V. Lo Cicero, T. Lüscher, R. Manka, A. Moschovitis, S. Plein, S. Soncin, S. Windecker, **G. Soldati**, D. Sürder, T. Moccetti (2010). *The swiss multicenter intracoronary stem cells study in acute myocardial infarction (SWISS-AMI): a cell-based clinical protocol for patients with acute myocardial infarction. Study design and preliminary data. May 23-26th , Philadelphia, Pennsylvania.*
33. G. Minonzio, S. Bardelli, G. Aita, G. Turconi, S. Panella, V. Albertini, T. Tallone, T. Moccetti, E. Gandolfi and **G. Soldati**. *Evaluation in MSCs yield in different subcutaneous adipose tissue anatomical sites and different types of tissue – harvesting surgical procedures. 2nd Lugano Stem Cell Meeting, Cardiocentro Ticino - Lugano (Switzerland), 22nd – 23rd June 2010.*
34. G. Minonzio, S. Bardelli, G. Aita, G. Turconi, S. Panella, V. Albertini, T. Tallone, T. Moccetti, E. Gandolfi and **G. Soldati**. *Comparative evaluation of the efficiency of three different digestive*

- enzymes for the isolation of the stromal vascular fraction from human adipose tissue. 2nd Lugano Stem Cell Meeting, Cardiocentro Ticino - Lugano (Switzerland), 22nd – 23rd June 2010.
35. G. Turconi, G. Minonzio, S. Panella, T. Tallone, V. Albertini, S. Regazzoni, T. Moccetti, S. Bardelli and **G. Soldati**. Validation of a medium for the cryopreservation of MSCs derived from human lipoaspirate for banking purposes. 2nd Lugano Stem Cell Meeting, Cardiocentro Ticino - Lugano (Switzerland), 22nd – 23rd June 2010.
36. G. Turconi, G. Minonzio, S. Panella, T. Tallone, F. Siclari, S. Demertzis, R. Trunfio, T. Torre, T. Moccetti, **G. Soldati** and S. Bardelli. Correlation between clinical data and clonogenic ability of MSCs derived from human peri-pericardial adipose tissue. 2nd Lugano Stem Cell Meeting, Cardiocentro Ticino - Lugano (Switzerland), 22nd – 23rd June 2010.
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