

CURRICULUM VITAE

Personal

Name: Giorgio Ferrari

Date and Place of Birth: August 29, 1960
Treviglio (BG), Italy

Nationality: Italian

Civil Status: Married to Yumiko Hirokami
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Nanami (July 29, 2003).

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Current Position:

2002- Present: Research Assistant,
Biozentrum Basel University
Department of Biochemistry.
Research Group Prof. Dr. Jean Pieters

Previous Positions:

1991- 2001: Research Assistant,
Basel Institute for Immunology.
Research Group Dr. Jean Pieters

1990-1991: Institute of Virology , Veterinary Department,
University of Zurich (Head: Dr. A. Metzger)

1988-1990: Biomedical Research Center 'M. Negri Sud', S. Maria Imbaro, Italy (Unit of inflammatorMediators; Head: Dr. M.B. Donati)

Education and training:

1975-1980: Industrial Chemistry at the Istituto Tecnico Industriale di Stato, Treviglio (BG), Italy

1980-1981: Annual Service in Italian Army

1981-1982: Propadeutic course ('Corso Specialistico') at the University of Bergamo, organized by the Associazione Industriali Bergamo together with the European Community

1983-1986: Education as 'Biochemical Research Assistant' at the Inst. of Pharmacological Research "Mario Negri" in Milano.

1986-1988: Advanced study for the degree of 'Specialist of Biotechnology Research'. Residency in IRIS laboratory of Immunology and Cell Biology Siena (Italy). Supervisor: Prof. Dr. A. Wasteson.

Related Professional Activities:

1983-1985: Annual Participation at the 'Congress on "Alterazioni congenite ed acquisite della coagulazione. Metodi di studio." Fondazione Internazionale Menarini, Firenze, Italy

September 1984: Participation at the "European Tissue Culture Society" University of Milan, Italy.

March 1985: Participation at the Congress on: "Molecular basis of growth and differenziation". University of Milan, Italy

April 1986: Congress on: "Malattie emorragiche da turbe dell'emostasi congenite ed acquisite". Ortho, Milano, Italy.

June 1988: Second International Symposium on: "Platelets and vascular occlusion". Ares Serono Symposia Roma Italy.

Publications

Abstracts and Posters

1. A. Poggi, E. Vicenzi, G. Ferrari, and M.B. Donati. "Interazione tra piastrine e cellule tumorali: effetti del PDGF sulla proliferazione di cellule di fibrosarcoma murino a diverso potere metastatizzante". 8° Congresso Nazionale della Società Italiana per lo Studio dell'Emostasi e della Trombosi - Firenze 24-26 ottobre 1984.
2. A. Poggi, E. Rossi, G. Ferrari, S. Colella, F. Breviario, I. Pangrazzi, M. Conti e E. Dejana. "Estroprogestinici, fumo e rischio vascolare". 8° Congresso Nazionale della società Italiana per lo Studio dell'Emostasi e della Trombosi. Firenze 24-26 ottobre 1984.
3. A. Poggi, E. Vicenzi, G. Ferrari, and M.B. Donati. "Effetto del fattore di crescita piastrinico (PDGF) su varianti metastatiche di fibrosarcoma murino." Convegno congiunto ABCD AGI SIBBM. Siena 21-25 ottobre 1984, pag. 146.
4. A. Poggi, G. Ferrari, M.B. Donati and E. Vicenzi. "In vitro responsiveness of metastatic variants of a murine fibrosarcoma to human PDGF". EMBO-EMBL Symposium 1985. "Growth Factors, Receptors and Oncogenes". 16-19 September, Heidelberg, FRG.
5. E. Vicenzi, L. Caprari, G. Ferrari, M.B. Donati, A. Poggi and A. Wasteson. "Inverse relationship between PDGF binding ability and production of a PDGF-like growth factor in two metastatic sublines of a murine fibrosarcoma". International Symposium on biological regulation of cell proliferation 9th International Chalone Conference. Milano 1986.
6. G. Ferrari, E. Vicenzi, V. Cioce, M.B. Donati, A. Wasteson, A. Poggi. "Relazione inversa tra sensibilità al PDGF in due sottolinee murine a diverso potere metastatizzante." IX Congresso Nazionale della Società Italiana per lo studio dell'Emostasi e Trombosi. Perugia, 17-20 Settembre 1986.
7. G. Ferrari, V. Cioce, E. Vicenzi, A. Poggi. "Produzione di un fattore di crescita di tipo PDGF in una linea di fibrosarcoma murino ad alto potere metastatizzante". V° Congresso Nazionale dell'Associazione di Biologia Cellulare e del Differenziamento. Sorrento, 29-31 Ottobre 1986
8. V. Cioce, E. Vicenzi, G. Ferrari, I. Biunno, A. Poggi. "Isolation of a PDGF-like growth factor from a murine metastasizing fibrosarcoma". III International Conference on Progress in Cancer Research. San Remo, May 1987.
9. F. Peracchia, G. Ferrari and D. Rotilio. "IL1 β induced expression of PDGF-AA isoform is modulated by TGF β in rabbit articular chondrocytes". UCLA Symposia on Molecular & Cellular Biology. Colorado Springs, March 31- April 22. In, Journal of Cellular Biochemistry supplement 14 E, p. 82, 1990.
10. G. Ferrari and D. Rotilio. "Modulation of IL1 signal transduction by TGF β in rabbit articular chondrocytes". UCLA Symposia on Molecular & Cellular Biology.

Colorado Springs, March 31-April 22. In, Journal of Cellular Biochemistry. Supplement 14 E, p.144, 1990.

11. G. Ferrari and D. Rotilio. "Involvement of two mechanisms in the PDGF induced upregulation of IL1 β receptor". Third European Congress on Cell Biology. September 2-7, 1990 Firenze. In, Cell Biology International Reports (Abs. Supp.), vol. 14, P241.
12. Giorgio Ferrari and Jean Pieters. Distinct intracellular compartments involved in invariant chain degradation and antigenic peptide loading . European Congress for Molecular Cell Biology, Brighton, UK, March 22-25, 1997
13. Jean Pieters, Hanno Langen and Giorgio Ferrari. A coat protein on phagosomes involved in intracellular survival of Mycobacteri. Second Louis Pasteur Conference, Paris, France, October 8-10, 1998

Regular Papers

1. A. Poggi, E. Vicenzi, G.Ferrari, and M.B. Donati. In vitro response of murine metastatic variants to human platelet derived growth factor (PDGF) in "*Treatment of metastasis: problems and prospects.*" K. Hellman and S.A. Eccles Eds, Taylor and Francis LTD, London, pag. 255-258, 1985.
2. V. Cioce, G. Ferrari, E. Vicenzi, I. Biunno, A. Poggi. Purification of a PDGF-like growth factor released from M4 metastatic fibrosarcoma. *J. Cell. Biochem.* Suppl.12A, p.137, 1988.
3. A. Poggi, G. Ferrari, S. Colella, E. Rossi, M. Conti, E. Dejana. Effect of oral contraceptives and smoke on human serum ability to stimulate *in vitro* growth and prostacyclin production by aortic smooth muscle cells.(*submitted for publication*).
4. V. Pengo, M. Boschello, M. Baca, A. Marzari, F. Zanon, G. Ferrari and L.Schivazappa. A brief contact of native whole blood with ADP promote the release of the contents of platelet alpha-granule but not dense bodies and increase platelet adhesiveness". *Folia Haematol Int Mag Klin Morphol Blutforsch.* 1990;117(3):359-64.
5. F. Peracchia, G. Ferrari, A. Poggi and D. Rotilio. IL1 β induced expression of PDGF-AA isoform is modulated by TGF β in rabbit articular chondrocytes. *Experimental Cell Research*, vol.193, p.208-212, 1991
6. Griebel, PJ, Hein, W. Dudler, L. and Ferrari, G. Phenotype and function of stoma cells cloned from the ileal Peyer's patch of sheep. *Stem cells* (1993) vol.11: 130-143
7. Griebel P. J. and Ferrari G. Evidence for a stroma cell-dependent, self-renewing B cell population in lymphoid follicles of the Peyer's patch of sheep. *Eur. J. Immunol.* (1994) vol. 24: 401-409

8. Griebel P. J. and Ferrari G CD40 signaling in Peyer's patch B cells: implication for T cell-dependent antigen selection. *Int. Immunol.* (1995) vol. 7: 369-379
9. Griebel P. J., Kugelberg B. and Ferrari G. Two distinct pathways of B cell development in Peyer's patches. *Dev. Immunol.* (1996) vol. 4: 263-277
10. Griebel P. J., Ghia P., Grawunder U. and Ferrari G. A novel complex expressed on immature B cells: a possible role in T cell-independent B cell development. *Dev. Immunol.* (1996) vol. 5: 67-78
11. Ferrari G., Knight A. M., Watts C. and Pieters J. Distinct intracellular compartments involved in invariant chain degradation and antigenic peptide loading of major histocompatibility complex (MHC) class II molecules. *J. Cell Biol* (1997) vol.139: 1433-1446
12. Griebel P. J., Beskarwayne T., Van den Broeke A. and Ferrari G. CD40 signaling induces B cell responsiveness to multiple members of gamma chain-common cytokine family. *Int. Immunol.* (1999) vol. 11: 1381-1393
13. Giorgio Ferrari, Hanno Langen, Makoto Naito and Jean Pieters. A coat protein on phagosomes involved in intracellular survival of Mycobacteria *Cell* (1999) vol. 97: 435-447
14. John Gatfield, Giorgio Ferrari and Jean Pieters Immunity against extracellular pathogens. *Protoplasma* (2000) vol. 210: 99-107
15. **Anne Walburger*, Anil Kaul*, Giorgio Ferrari*, Liem Nguyen*,Cristina Prescianotto-Baschong, Kris Huygen, Bert Klebl, Charles Thompson, Gerald Bacher, Jean Pieters. Protein Kinase G from Mycobacteria promotes survival within macrophage. *Science* (2004) vol.304: 1800-1804.**
*These authors contributed equally to this work

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