

**Dr. Guido Ferretti**

## **CURRICULUM VITAE**

### **PERSONAL DATA**

NAME : FERRETTI

FIRST NAME : Guido

NATIONALITY : Italian

PLACE AND DATE OF BIRTH : Torino, Italie, March 18th 1956

CIVIL STATUS : Married

Wife : Silvia Spinazzé, born in Milano, 18-12-1959

Children : Lavinia Ferretti, born in Aosta, 21-5-1994  
Livio Ferretti, born in Aosta, 5-12-1995  
Lapo Ferretti, born in Aosta, 27-2-1999

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### **CONTACTS**

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### **CURRENT POSITION**

Professor of Physiology, Department of Clinical and Experimental Science, School of Medicine, University of Brescia, Italy (part time)

and

Professor of Clinical Physiology, Département des Neurosciences Fondamentales, Centre Médical Universitaire, Université de Genève, Switzerland (part time)

## EDUCATION

- July 1974 : Maturità Classica, Liceo C. Beccaria, Milano, Italie.
- July 1981 : Medicine Doctor, Università di Milano, Italy.
- July 1984 : Post-doctoral degree in Sports Medicine (cum laude), Università di Milano, Italy.
- January 1998 : Habilitation in Human Physiology, School of Medicine, University of Geneva, Switzerland.

## PROFESSIONAL EXPERIENCE

- January 1979 - October 1981 : MD Student, Department of Physiology, School of Medicine, Università di Milano, Italy.
- November 1981 - October 1983 : Collaboratore Professionale, Department of Biomedical Technologies, School of Medicine, Università di Milano, Italy.
- November 1983 - May 1985 : Assistant, Institute of Human Physiology, School of Medicine, Università di Brescia, Italy.
- June 1985 - September 1988 : Assistant, Department of Physiology, School of Medicine, University of Geneva, Switzerland.
- October 1988 - January 1992 : Maître Assistant, Department of Physiology, School of Medicine, University of Geneva, Switzerland
- February 1992 – September 2003 : Maître d'Enseignement et de Recherche, Department of Physiology, School of Medicine, University of Geneva, Switzerland (part time since 2002)
- November 2001 – October 2012 : Professor of Physiology, Department of Biomedical Sciences and Biotechnologies, School of Medicine, University of Brescia, Italy (part time)
- October 2003 – December 2013 : Maître d'Enseignement et de Recherche, Department of Basic Neuroscience, School of Medicine, University of Geneva, Switzerland (part time since 2002)

- November 2012 – to date : Professor of Physiology, Department of Clinical and Experimental Science, School of Medicine, University of Brescia, Italy (part time)
- January 2014 – to date : Professor of Clinical Physiology, Department of Basic Neuroscience, School of Medicine, University of Geneva, Switzerland (part time)

### **SOJOURNS IN OTHER INSTITUTIONS**

- October 1979 - December 1979 : "Student Visitor", Department of Physiology, State University of New York, Buffalo, USA.
- September 1980 - December 1980 : "Research Assistant", Department of Physiology, State University of New York, Buffalo, USA.
- June 1990 : "Research Visitor", Center for Research in Special Environments, State University of New York, Buffalo, USA.
- March 1999 – February 2002 Honorary Professor (equivalent to Full Professor, without salary), Department of Exercise and Sport Science, Manchester Metropolitan University, Alsager UK.
- Luglio 2009 – December 2013 Honorary Professor, Istituto di Bioimmagini e Fisiologia Molecolare, Consiglio Nazionale delle Ricerche, Milano

### **LANGUAGES**

Italian (mother tongue), English, French, Spanish (notions).

### **MEMBERSHIP**

1. The Physiological Society.
2. Società Italiana di Fisiologia.
3. Société Suisse de Physiologie
4. European College of Sport Science
6. Società Italiana di Scienze Motorie e dello Sport

## TEACHING

### Courses

November 1983 - May 1985	:	Temperature regulation lectures, Human Physiology course, School of Medicine, University of Brescia, Italy.
December 1985 - June 1992	:	Students laboratory in Human Physiology, Department of Physiology, School of Medicine, University of Geneva, Switzerland
October 1986 – September 2002	:	Course of Human Physiology, Ecole d'Education Physique et de Sport, University of Geneva, Switzerland.
October 1987 – June 1999	:	Course of Exercise Physiology, Post-doctoral School in Sport Medicine
October 1992 - September 1994	:	Organisation of Student Laboratories on Cardiovascular Physiology, Department of Physiology, School of Medicine, University of Geneva, Switzerland
May 1994 - to date	:	Organisation of Student Laboratories on Respiration, Department of Physiology, School of Medicine, University of Geneva, Switzerland
October 1994 – December 2013	:	Course of Respiration Physiology, School of Nurses, University of Geneva, Switzerland.
April 1995 - to date	:	Member of “Respiration Unit”, Problem-based Learning of Medicine, School of Medicine, University of Geneva, Switzerland. Tutor in the same unit.
March 1996 – June 2000	:	Member of “Locomotion Unit”, Problem-based Learning of Medicine, School of Medicine, University of Geneva, Switzerland. Tutor in the same unit.
March 1999 - to date	:	Co-chairman of “Respiration Unit”, Problem-based Learning of Medicine, School of Medicine, University of Geneva, Switzerland.

June 1999 – to date	:	Member “Unit of Synthesis of Module 2 (integration of cardiovascular, respiratory and renal systems)”, Problem-based Learning of Medicine, School of Medicine, University of Geneva, Switzerland. Tutor in the same unit.
November 2001 – September 2002	:	Co-chairman of “Corso Integrato di Fisiologia Umana”, The Medical School, Faculty of Medicine, University of Brescia, Italy. Teaching of Circulation and Respiration within the same course.
October 2002 – to date		Chairman of “Corso Integrato di Fisiologia Umana”, School of Exercise Science, Faculty of Medicine, University of Brescia, Italy. Teaching of Muscle Physiology (2003), System Physiology (2003), and Exercise and Sport Physiology (since 2003) within the same course.
October 2002 – September 2003		Course of Human Physiology, School of Obstetrics, Faculty of Medicine, University of Brescia, Italy.
October 2003 – September 2013		Course of Respiration Physiology, School of Pharmacy, University of Geneva (6 hr/year).
October 2003 – to date		Course of Metabolic Regulation and Temperature Regulation, School of Pharmacy, University of Geneva (6 hr/year).
October 2004 – to date		Course of Biomechanics, School of Exercise Science, Faculty of Medicine, University of Brescia, Italy.
October 2004 – to date		Course of Respiration, within “Corso Integrato di Fisiologia Umana”, The Medical School, Faculty of Medicine, University of Brescia, Italy.
November 2006 – to date		Course on the Physiology of Adaptation to Extreme Environments, within the Master in Medical Exercise Science, School of Medicine, University of Brescia (24 hr/year).
September 2008 – to date		Coordinator of the Course of Physiology, School of Pharmacy, University of Geneva.
February 2009 – May 2011		Course on the Physiology of Adaptation to Extreme Environments (in collaboration with Claudio Sartori, Lausanne), within the Master Lémanique en Sciences du Mouvement et du Sport (8 hr/year).
January 2014 – to date		Co-Coordinator (together with Prof. Marc Licker), Integration Unit, School of Medicine, 1 <sup>st</sup> year. Course on human locomotion within the same unit (9hr/year)

## RESEARCH

### Research fields

1. Regulation of cardiovascular and respiratory functions in resting and exercising humans.
2. Human adaptive responses to extreme environments (microgravity, diving, cold)
3. Energetics of muscular exercise in humans.
4. Energetics and biomechanics of human locomotion.

### Research grants

- 1988 - 1990 "Ventilation and gas exchange during exercise transients in normal subjects and heart transplant recipient patients"  
FNSRS, **FS 96,200**, together with Prof. P. Cerretelli.
- 1988 - 1990 "Effects of Solcoseryl® on extreme endurance exercise in humans"  
Solco Basel SA, **SF 105,950**.
- 1990 - 1994 "Control of ventilation in heart and lung transplant recipients"  
FNSRS, **SF 330,414**, together with Prof. P. Cerretelli.
- 1993 - 1996 "Factors limiting oxygen transport in humans"  
EFSM, **SF 60,000**.
- 1994 - 1995 "Regulation of cardiovascular response to exercise in humans"  
ESA-PRODEX, for technical developments, **FS 540,000**.
- 1994 - 1997 "Gas exchange and cardiac regulation in heart transplant recipient children"  
FNSRS, **SF 293,132**, together with Prof. P. Cerretelli.
- 1995 - 1998 "The effects of nicethamide on the ventilatory response to exercise in hypoxia"  
Zyma AG, **SF 145,930**, together with Prof. P. Cerretelli.
- 1997 - 2000 "Cardiovascular oxygen transport in exercising humans"  
FNSRS, **SF 184,500**.
- 1998 - 2001 "Evaluation of the energy cost of treadmill tests under varying speed and incline condition in patients with chronic obstructive arteriopathy and claudicatio intermittens"  
Sigma-Tau, **SF 58,128**.
- 2000 – 2003 "Dynamics of oxygen transport in humans : posture, exercise and hypoxia"  
FNSRS, **SF 133.000**.
- 2001 – 2003 "Energetic constraints of mounting running"  
OFSPPO, **SF 78.540**.
- 2001 – 2003 "Cardiopulmonary consequences of prolonged bed rest in humans"  
FNSRS, **SF 74.390**

- 2003 – 2006 “ Effects of gravity acceleration on oxygen uptake, cardiac output and autonomic control of heart function during exercise in humans“  
FNSRS, **SF 176.118**
- 2006 – 2008 “Determinants of running performance in top-level Kenyan athletes”  
OFSP0, **SF 83.060**
- 2006 – 2009 “Dynamics of pulmonary gas exchange and systemic oxygen delivery during exercise transients in humans”  
FNSRS, **SF 260.000**
- 2008 – 2010 “Neurovegetative system and exercise in lung transplant recipients”  
MIUR – PRIN, Italy, **€31.500**
- 2009 – 2010 “Safety in SCUBA diving : decompression, bubble formation and evaluation of physiological parameters”  
CCM, Italy, **€200.000**
- 2009 – 2012 “Dynamics of pulmonary gas exchange and systemic oxygen delivery during exercise in patients affected by specific cardiopulmonary diseases”  
FNSRS, **SF 375.000**
- 2012 – 2015 “Dynamics of cardio-pulmonary response to exercise in patients affected by essential hypertension”  
FNSRS, **SF 412.267**
- 2013 – 2014 “Smart ECG. A miniaturized device with high energetic efficiency for very-long-term monitoring of ECG: technological, clinical and scientific aspects”  
Fondazione EULO, **€23.200**
- 2014 Fondation Carlos et Elsie De Reuter, for equipment acquisition,  
**SF 30.000**

#### **International research contracts**

- 1994 - 1996 European Space Agency, jointly with Centre National d'Etudes Spatiales, France, for participation in the 1994 LT-HDT Bed Rest campaign, with experiment ESA/LT/023, entitled “Effects of long term bed rest on the biomechanical and the bioenergetic characteristics of human skeletal muscle and on the factors limiting maximal oxygen consumption”.
- 1994 - 1996 European Space Agency, for participation in the Euromir 95 programme, with experiment 21-CH, entitled “Regulation of cardiovascular response to exercise in humans”.
- 1998 - 2002 European Space Agency, for participation in the programme ESA-AO-97-LS-ARMS, as co-investigator of experiment 7-S (P. I. Prof. Dag Linnarsson, Karolinska Institute, Stockholm, Sweden), entitled “Cardiopulmonary and muscular adaptations during and after microgravity”.

- 2000 - 2003 European Space Agency, jointly with Centre national d'études spatiales, France, for participation in the programme ESA-AO-99-LS-BR, with the project 001, entitled "Respiratory, circulatory, muscular and bone consequences of inactivity and rehabilitation in humans".
- 2000 - 2003 European Space Agency, for participation in the programme ESA-AO-2000-LS-BR-SHORT, as co-investigator of project 002 (Principal Investigator : Prof. Carlo Capelli, Università di Udine), entitled "Cardiopulmonary consequences of short term bed rest".
- 2003 - 2006 European Space Agency, jointly with Karolinska Institute, Stockholm, Sweden, for participation in the programme ESA-RA-LS-01-LSRA, with the project 067, entitled "Effects of gravity acceleration on oxygen uptake during exercise in human".
- 2008 – 2009 Italian Space Agency, in collaboration with Primorska University, Kopar, Slovenia, for participation in the prolonged bed rest programme that the two institutions jointly organised in Ankaran, Slovenia, in association with the CCMC research group of the Italian Space Agency.

### **Editorial activities**

September 2009 – to date Distributing editor for Environmental Physiology, European Journal of Applied Physiology

Muscular exercise at high altitude. Edited by G. Ferretti and P. Cerretelli. Int. J. Sports Med. Suppl. 1, 1990.

1. Guest Referee, The Journal of Physiology
2. Guest Referee, American Journal of Physiology
3. Guest Referee, Journal of Applied Physiology
4. Guest Referee, Pflügers Archiv.
5. Guest Referee, European Journal of Applied Physiology.
6. Guest Referee, Respiration Physiology and Neurobiology.
7. Guest Referee, Journal of Experimental Biology.
8. Guest Referee, International Journal of Sports Medicine.
9. Guest Referee, Undersea and Hyperbaric Medicine.
10. Guest Referee, Anesthesiology.

### **Organisation of meetings and symposia**

European College of Sport Science, the Manchester Meeting, July 15-18, 1998. Symposium : PHYSIOLOGY IN SPACE : HOW PHYSIOLOGICAL SYSTEMS DEGRADE.

Satellite Course, European College of Sport Science, the Rome meeting, July 13-14, 1999  
INTEGRATIVE MUSCLE PHYSIOLOGY



Jointly organised by Roberto Bottinelli, Marco Ferrari , **Guido Ferretti** and Marco Narici

VII IOC World Congress on Sports Science, Athens, October 7-11, 2003                      Symposium  
COUNTERMEASURES FOR MAN IN SPACE

International Congress “Mountain and Sport”, on the occasion of 10<sup>th</sup> anniversary of *Centro di Bioingegneria e Scienze Motorie*, Rovereto, Italy,  
Jointly organised by Carlo Capelli, **Guido Ferretti**, Guido Fumagalli and Federico Schena

Numerous invited conferences in international and national meetings

## ADMINISTRATION

### In academic context

1999 – 2000	Member of Groupe de Travail Médecine et Sport, Faculté de Médecine, Université de Genève (chairman Prof. Jean-Philippe Bonjour)
1999 – to date	Member of Comité de Programme pour les années 1 – 3, Faculté de Médecine, Université de Genève
2001 – to date	Member of Consiglio di Corso di Laurea in Medicina e Chirurgia, Università di Brescia
2001 – to date	Member of Scientific Council of Centro di Bioingegneria e Scienze Motorie, Rovereto, Italy
2002 – to date	Member of Consiglio di Corso di Laurea in Scienze Motorie, Università di Brescia
2010 – to date	Coordinator, Aggregate School of Specialisation in Sport Medicine of the Universities of Brescia, Milano Bicocca and Pavia, Italy.
2013 – to date	Member, Task Force of Health and Wealth at Unibs, University of Brescia

External reviewer for professorial appointments in various universities in the United Kingdom

### At the Ministry of Health, Italy

2009 - 2013                      Member of Commissione Interministeriale Sanità e Sport (president : Prof. Ferruccio Fazio, State Minister of Health), established by the Ministers of Health and of Sport of the Italian Republic, aimed at setting up a project for the introduction of exercise as a preventive and therapeutic tool in the Italian Health System.

2009 - 2011 Personal councillor of the Minister of Health for sport items.

2011 – to date Consultant of Consiglio Superiore di Sanità, Minister of Health, Italian Republic, for sport issues.

### Scientific functions for other institutions

Referee, Fonds national suisse de la recherche scientifique

Referee, Commission de recherche, Office fédéral du sport de Macolin.

Referee, Projets thématiques, Région Rhône-Alpes, France

Referee, Programmi di Ricerca di Interesse Nazionale, Ministero dell'Università e della Ricerca Scientifica, Italia

Referee, Netherlands Institute for Space Research

Member of reviewing committee, European Space Agency, ESA-AO-2004

Member of the panel of experts established by the European Space Agency for the definition of scientific priorities to be set in the Life Science 5-year Plan, ELIPSE, for the period 2009-2014.

### Prof Guido Ferretti

### PUBLICATIONS

#### Original articles in peer-reviewed journals

In brackets, impact factor and citations.

Cumulative impact factor : 262.20    Mean impact factor : 3.085

Total citations :        GS 3107        Overall H-index : GS 34    **WoS 27**

1. Veicsteinas A, **G. Ferretti** et DW Rennie. Superficial shell insulation in resting and exercising men in cold water. *J. Appl. Physiol.* 1982, 52: 1557-1564. (3.48 131  
**108)**)
2. Veicsteinas A, **G. Ferretti**, V Margonato, G Rosa et D Tagliabue. Energy cost of and energy sources for alpine skiing in top athletes. *J. Appl. Physiol.* 1984, 56: 1187-1190. (3.48  
60        **26)**)
3. Oelz O, H Howald, PE di Prampero, H Hoppeler, H Claassen, R Jenni, A Bühlmann, **G. Ferretti**, JC Brückner, A Veicsteinas, M Gussoni et P Cerretelli. Physiological profile of world class high altitude climbers. *J. Appl. Physiol.* 1986, 60: 1734-1742. (3.48 85  
**68)**)

4. **Ferretti G**, M Gussoni, PE di Prampero et P Cerretelli. Effects of exercise on maximal instantaneous muscular power of humans. *J. Appl. Physiol.* 1987, 62: 2288-2294. (3.48 34 27)
5. **Ferretti G**, A Veicsteinas et DW Rennie. Regional heat flows of resting and exercising men immersed in cold water. *J. Appl. Physiol.* 1988, 64: 1239-1248. (3.48 22 19)
6. **Ferretti G**, A Veicsteinas et DW Rennie. Conductive and convective heat flows of exercising humans in cold water. *J. Appl. Physiol.* 1989, 67: 2473-2480. (3.48 17 11)
7. **Ferretti G**, U Boutellier, DR Pendergast, C Moia, AE Minetti, H Howald et PE di Prampero. Muscular exercise at high altitude. IV. Oxygen transport system before and after exposure to chronic hypoxia. *Int. J. Sports Med.* 1990, 11: S15-S20. (2.27 50 33)
8. **Ferretti G**, H Hauser et PE di Prampero. Muscular exercise at high altitude. VII. Maximal muscular power before and after exposure to chronic hypoxia. *Int. J. Sports Med.* 1990, 11: S31-S34. (2.27 45 37)
9. di Prampero PE et **G. Ferretti**. Factors limiting maximal oxygen consumption in humans. *Respir. Physiol.* 1990, 80: 113-128. (2.05 106 64)<sup>3</sup>
10. Binzoni T, **G. Ferretti**, F Barbalat et P Cerretelli. Energetics of resting anaerobic frog gastrocnemius at different temperatures by <sup>31</sup>P-NMR. *Respir. Physiol.* 1990, 82: 137-148. (2.05 9 11)
11. **Ferretti G**. On maximal oxygen consumption in hypoxic humans. *Experientia* 1990, 46: 1188-1194. (5.62 19 9)<sup>1</sup>
12. **Ferretti G**, G Atchou, B Grassi, C Marconi et P Cerretelli. Energetics of locomotion in African Pygmies. *Eur. J. Appl. Physiol.* 1991, 62: 7-10. (2.66 14 14)
13. **Ferretti G**, M Costa, M Ferrigno, B Grassi, C Marconi, CEG Lundgren et P Cerretelli. Alveolar gas composition and exchange during deep breath-hold diving and dry breath-holds in elite divers. *J. Appl. Physiol.* 1991, 70: 794-802. (3.48 71 51)
14. Ferrigno M, B Grassi, **G. Ferretti**, M Costa, C Marconi, P Cerretelli et CEG Lundgren. Electrocardiogram during deep breath-hold dives by elite divers. *Undersea Biomed. Res.* 1991, 18: 81-91. (0.59 33 27)<sup>2</sup>
15. **Ferretti G**, M Ishii, C Moia et P Cerretelli. Effects of temperature on the maximal instantaneous muscle power of humans. *Eur. J. Appl. Physiol.* 1992, 64: 112-116. (2.66 34 20)
16. Cerretelli P, C Marconi, M Meyer, **G. Ferretti** et B Grassi. Gas exchange kinetics in heart transplant recipients. *Chest* 1992, 101: 199S-205S. (5.85 40 28)
17. Ishii M, **G. Ferretti** et P Cerretelli. Effects of muscle temperature on the VO<sub>2</sub> kinetics at the onset of exercise in man. *Respir. Physiol.* 1992, 88: 343-353. (2.05 10 10)

18. Feroldi P, M Belleri, **G. Ferretti** et A Veicsteinas. Heart rate overshoot at the beginning of muscle exercise. *Eur. J. Appl. Physiol.* 1992, 65: 8-12. (2.66 14 12)
19. Zamparo P, R Perini, C Orizio, M Sacher et **G. Ferretti**. The energy cost of walking or running on sand. *Eur. J. Appl. Physiol.* 1992, 65: 183-187. (2.66 113 76)
20. **Ferretti G**, B Kayser, F Schena, DL Turner et H Hoppeler. Regulation of perfusive O<sub>2</sub> transport during exercise in humans: effects of changes in haemoglobin concentration. *J. Physiol. (Lond.)* 1992, 455: 679-688. (4.38 28 20)
21. Binzoni T, **G. Ferretti**, K Schenker, F Barbalat, E Hiltbrand et P Cerretelli. Metabolic transient studies by NMR. *Int. J. Sports Med.* 1992, 13: S155-S157. (2.27 1 0)
22. **Ferretti G**. Cold and muscle performance. *Int. J. Sports Med.* 1992, 13: S185-S187. (2.27 32 4)
23. Binzoni T, **G. Ferretti**, K Schenker et P Cerretelli. Phosphocreatine hydrolysis by <sup>31</sup>P-NMR at the onset of constant-load exercise in humans. *J. Appl. Physiol.* 1992, 73: 1644-1649. (3.48 81 72)
24. Grassi B, **G. Ferretti**, L Xi, M Rieu, C Marconi et P Cerretelli. Ventilatory response to exercise after heart and lung denervation in humans. *Respir. Physiol.* 1993, 92: 289-304. (2.05 35 27)
25. Turner DL, H Hoppeler, C Noti, HP Gurtner, H Gerber, F Schena, B Kayser et **G. Ferretti**. Limitations to VO<sub>2</sub>max in humans after blood retransfusion. *Respir. Physiol.* 1993, 92: 329-341. (2.05 26 16)
26. Capelli C, G Rosa, F Butti, **G. Ferretti**, A Veicsteinas et PE di Prampero. Energy cost and efficiency of riding aerodynamic bicycles. *Eur. J. Appl. Physiol.* 1993, 65: 144-149. (2.66 71 41)
27. Kayser B, **G. Ferretti**, B Grassi, T Binzoni et P Cerretelli. Maximal lactic capacity at altitude: effect of bicarbonate loading. *J. Appl. Physiol.* 1993, 75: 1070-1074. (3.48 31 24)
28. Gariod L, T Binzoni, **G. Ferretti**, JF Le Bas, H Reutenauer et P Cerretelli. Standardisation of <sup>31</sup>P-NMRS determinations of high energy phosphates in humans. *Eur. J. Appl. Physiol.* 1994, 68: 107-110. (2.66 21 19)
29. **Ferretti G**, MV Narici, T Binzoni, L Gariod, JF Le Bas, H Reutenauer et P Cerretelli. Determinants of peak muscle power: effects of age and physical conditioning. *Eur. J. Appl. Physiol.* 1994, 68: 111-115. (2.66 76 45)
30. Minetti AE, F Saibene, G Atchou, F Schena, LP Ardigò et **G. Ferretti**. Pygmy locomotion. *Eur. J. Appl. Physiol.* 1994, 68: 285-290. (2.66 36 29)
31. Grassi B, **G. Ferretti**, M Costa, M Ferrigno, A Panzacchi, CEG Lundgren, C Marconi et P Cerretelli. Ventilatory response to oxygen and carbon dioxide in elite breath-hold divers. *Respir. Physiol.* 1994, 97: 323-332. (2.05 30 24)

32. **Ferretti G** et PE di Prampero. Factors limiting maximal oxygen consumption in humans: the effects of acute changes in ventilation. *Respir. Physiol.* 1995, 99: 259-271. (2.05 35 22)
33. Favier R, H Spielvogel, D Desplanches, **G. Ferretti**, B Kayser et H Hoppeler. Maximal exercise performance in chronic hypoxia and acute normoxia in high altitude natives. *J. Appl. Physiol.*, 1995, 78: 1868-1874. (3.48 61 37)
34. Favier R, H Spielvogel, D Desplanches, **G. Ferretti**, B Kayser, A. Grünenfelder, M. Leuenberger, L. Tüscher, E. Caceres et H Hoppeler. Training in hypoxia vs training in normoxia in high altitude natives. *J. Appl. Physiol.*, 1995, 78: 2286-2293. (3.48 41 26)
35. Grassi B, **G. Ferretti**, B Kayser, M Marzorati, A Colombini, C Marconi et P Cerretelli. Maximal rate of blood lactate accumulation during exercise at altitude in humans. *J. Appl. Physiol.*, 1995, 79: 331-339. (3.48 26 18)
36. Höchli D, T Schneiter, **G. Ferretti**, H Howald, H Claassen, C Moia, G Atchou, M Belleri, A Veicsteinas et H Hoppeler. Loss of muscle oxidative capacity after an extreme endurance run : the Paris - Dakar foot race. *Int. J. Sports Med.*, 1995, 16: 343-346. (2.27 39 22)
37. Cerretelli P, B Grassi, L Xi, F Schena, C Marconi, M Meyer et **G. Ferretti**. The role of pulmonary CO<sub>2</sub> flow in the control of the "phase 1" ventilatory response to exercise in humans. *Eur. J. Appl. Physiol.*, 1995, 71: 287-294. (2.66 6 5)
38. Binzoni T, E Hiltbrand, B Kayser, **G. Ferretti** et F Terrier. Human intramuscular temperature and heat flow transients at rest. *J. Appl. Physiol.*, 1995, 79: 1736-1743. (3.48 9 8)
39. **Ferretti G**, T Binzoni, N Hulo, B Kayser, JM Thomet et P Cerretelli. The kinetics of oxygen consumption during maximal exercise at different muscle temperatures. *Respir. Physiol.*, 1995, 102: 261-268. (2.05 12 9)
40. Desplanches D, H Hoppeler, L Tüscher, MH Mayet, H Spielvogel, **G. Ferretti**, B Kayser, M Leuenberger, A Grünenfelder et R Favier. Muscle tissue adaptations of highlanders to training in chronic hypoxia or acute normoxia. *J. Appl. Physiol.*, 1996, 81: 1946-1951. (3.48 83 48)
41. Kayser B, R Favier, **G. Ferretti**, D Desplanches, H Spielvogel, H Koubi, B Sempore et H Hoppeler. Lactate and epinephrine during exercise in altitude natives. *J. Appl. Physiol.*, 1996, 81: 2488-2494. (3.48 11 7)
42. Meyer M, C Marconi, **G Ferretti**, R Fiocchi, P Cerretelli, JE Skinner. Heart rate variability in the human transplanted heart: nonlinear dynamics and QT vs RR-QT alterations during exercise suggest a return of neurocardiac regulation in long-term recovery. *Integr. Physiol. Behav. Sci.* 1996, 31: 289-305. (1 26)
43. **Ferretti G**, C Moia, JM Thomet et B Kayser. The decrease of maximal oxygen consumption in hypoxia: a mirror image of the oxygen equilibrium curve. *J. Physiol. (Lond.)*, 1997, 498: 231-237. (4.38 50 37)

44. **Ferretti G**, G Antonutto, C Denis, H Hoppeler, AE Minetti, MV Narici et D Desplanches. The interplay of central and peripheral factors in limiting maximal O<sub>2</sub> consumption in man: the effects of prolonged bed rest. *J. Physiol. (Lond.)*, 1997, 501: 677-686. (4.38 114 82)
45. Esposito F et **G. Ferretti**. The effects of breathing He-O<sub>2</sub> mixtures on maximal oxygen consumption in normoxic and hypoxic men. *J. Physiol. (Lond.)*, 1997, 503: 215-221. (4.38 29 18)
46. Ferrigno M, **G. Ferretti**, A Ellis, D Warkander, M Costa, P Cerretelli, et CEG Lundgren. Cardiovascular changes during deep breath-hold dives in a pressure chamber. *J. Appl. Physiol.*, 1997, 83: 1282-1290. (3.48 75 56)
47. **Ferretti G**. The effect of prolonged bed rest on maximal instantaneous muscle power and its determinants. *Int. J. Sports Med.*, 1997, 18: S287-S289. (2.27 10 3)
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<sup>1</sup> Journal's name changed from *Experientia* to *Cellular and Molecular Life Science*

<sup>2</sup> Journal's name changed from *Undersea Biomedical Research* to *Undersea and Hyperbaric Medicine*

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