

Curriculum vitae

Jean-Pierre Montani

EDUCATION

1970 graduation year 1970	Graduated from College St-Michel, Fribourg, Switzerland, <u>Baccalaureate Type A</u> (major in Latin, Greek and philosophy), mention I (very good). Special distinction for the highest scholastic average on a campus of 1'500 students
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MEDICAL EDUCATION

1970-1973	<u>Preclinical studies</u> (5-semester program in basic sciences) at the University of Fribourg, Switzerland, summa cum laude equivalent.
1973-1977	<u>Clinical studies</u> (4-year program) at the Medical School of Geneva, Switzerland, summa cum laude equivalent

Practical (teaching, research or clinical) experience during medical studies

Fall 1970	Substitute mathematics teacher (3-month replacement for math professor on sick leave at College St-Michel, for last year pre-baccalaureate College students)
Spring 1972	Two-month research program at the Department of Anatomy (Prof. Luis María Gonzalo Sanz), University of Navarra, Pamplona, Spain
Summer 1973	Six-week course at the Nursing School of the University Hospital of Geneva, with certification to practice nursing (night shifts at the hospital)
Summer 1974	Two-month clinical practice in Internal Medicine (Dr. Eric Schwartz) at the Military Hospital of Novaggio, Ticino, Switzerland
1975-1976	Practical year with rotations in Pathology (Prof. Kapanci), Internal Medicine (Prof. Muller), Orthopedics (Prof. Taillard), Pediatrics (Prof. Ferrier), Ob-Gyn (Prof. de Watteville, Prof. Béguin) and Neurology (Prof. Gauthier) at the University Hospital of Geneva

UNIVERSITY or PROFESSIONAL DEGREES

1977	Swiss Federal Diploma of Physician (<u>M.D. degree</u>)
1980	Thesis for the degree of <u>Doctor in Medicine</u> , of the Faculty of Medicine of the University of Geneva (Thesis No 3849: "Hemodynamic effects of exogenous and endogenous vasopressin at low plasma concentrations in the conscious intact and baroreceptor denervated dog").
1982	Visa Qualifying Examination (ECFMG Certificate), equivalent USMLE Steps 1+2CK 2005 License to practice medicine in the State of Fribourg, for clinical research.

POST-GRADUATE EDUCATION

Oct 1977 - Sep 1979	Research Assistant in Physiology, at the Cardiovascular Institute of the University of Fribourg (Professor Jean-François Liard)
Oct 1979 - Sep 1982	Three-year residency program in Internal Medicine, at the Department of Internal Medicine, University Hospital of Geneva (Professor Alex F. Muller) with specialty rotations in intensive care unit, pulmonology, cardiology, nephrology, oncohematology, neurology and medical informatics.
Oct 1982 - Nov 1982	Research Associate, Dept. of Physiology & Biophysics, The University of Mississippi Medical Center, Jackson MS, USA (Prof. Arthur C. Guyton)

ACADEMIC APPOINTMENTS

Dec 1982 - Jan 1986	Visiting Assistant Professor, Dept. of Physiology and Biophysics, The University of Mississippi Medical Center, Jackson MS, USA (Prof. Arthur C. Guyton)
Feb 1986 - Jun 1988	Assistant Professor, Department of Physiology and Biophysics, The University of Mississippi Medical Center, Jackson MS, USA
Jul 1988 - Sept 1995	Associate Professor, Department of Physiology and Biophysics, The University of Mississippi Medical Center, Jackson MS, USA (Professor Arthur C. Guyton, retired Sep 1989; Professor John E. Hall from Oct 1989)
Oct 1995 – July 2018	Professor and Chairman, Institute of Physiology (renamed as Dept. of Medicine / Division of Physiology in 2001), University of Fribourg, Switzerland. Professor Emeritus from August 2018
Feb-Apr 2002	Visiting Professor of Neuropharmacology, laboratory of Professor Geoffrey Head, Baker Medical Research Institute, Melbourne, Australia
Apr 2003 - 2012	Invited Professor in Physiology, University of Neuchâtel, Switzerland
Feb-Apr 2007	Visiting Professor of Physiology, laboratory of Professor Simon Malpas, Department of Physiology, University of Auckland, New Zealand
Spring 2013 and 2014 Sabbatical stay in Japan	Visit and conferences at various Universities: NIPS at Okazaki / Shinshu University at Matsumoto / Nara Women's University / Kawasaki Med School at Kurashiki / Okayama Medical School

TEACHING ACTIVITIES

In USA; The University of Mississippi Medical Center (until 1995)

1986-1995	Medical Physiology Course,
1986-1995	Physiology for Dental and Pharmacy students,
1987 and 1988	Physiology for Nurses

In Switzerland (since 1995) Teaching in French and/or German

1995 - 2018	Medical Physiology Course for 1 st and 2 nd year medical students,
1996 - 2010:	Physiology for pharmacy, biology and biochemistry students,
2003 - 2012	Physiology for 1 st year medical / biology students, University of Neuchâtel, Introductory course to General and Systems Physiology
2007 - 2017	Pathophysiology for students in biomedical sciences (2 nd and 3 rd year),
1999 – 2021	Biophysics and Systems Regulation in Physiology
2009 – present	Renal pathophysiology for 3 rd year medical students,
2009 – present	Modeling course for Master students in biomedical sciences,

PUBLICATIOS

1980 – 2021: almost 200 Peer reviewed Articles and Reviews in Journals with Editorial Board

1980 – 2021 almost 30 Symposia Articles, Editorials, Letters, Books and Chapters

EDITORIAL ASSISTANCE

- Frontiers in Integrative Physiology,
- Experimental Physiology (Pub. The Physiological Society),
- American Journal of Physiology,
- Clinical and Experimental Pharmacology and Physiology,
- Frontiers in Computational Physiology and Medicine,
- Current Hypertension reports,
- Frontiers in Hypertension.

Regular contributions as scientific reviewer (ad hoc) for:

- American Journal of Physiology (Renal section; Heart section, Endocrine section),
- Journal of Physiology,
- Journal of Applied Physiology,
- Hypertension,
- European Journal of Physiology,
- European Journal of Clinical Nutrition,
- J Am Society of Nephrology,
- IEEE Biomed Engineering,
- Obese Rev,
- Int J Obesity,
- Chronobiol Int,

Grant reviewer for the Swiss National Science Foundation

GRANTS (new projects starting on or after 2000, as P.I. or Project leader)	
2017-18	Swiss Heart Foundation
2016-17	Swiss Foundation for Alcohol Research
2015-2017	Swiss National Science Foundation
2014-2018	Swiss National Science Foundation
2010-2014	Swiss National Science Foundation
2010-2013	Swiss National Science Foundation
2007-2011	Swiss National Science Foundation
2006	Swiss Heart Foundation
2004-2005	Swiss Heart Foundation
2003-2007	Swiss National Science Foundation
2000-2003	Swiss National Science Foundation

PROFESSIONAL MEMBERSHIPS

- American Association for the Advancement of Sciences (member, 1986)
- Mississippi Academy of Sciences (life member, 1986)
- American Society of Hypertension (charter member, 1986)
- National Honor Society of Phi Kappa Phi (life member, 1988)
- Microcirculatory Society (member, 1990)
- American Physiological Society (member, 1996)
- Natural Sciences Society of Fribourg (life member, 1996)
- Swiss Physiological Society (member, 1996)
- Swiss Society against High Blood Pressure (member, 1996)
- European Society of Hypertension (member, 1997)

HONORARY and ACADEMIC CHARGES

Current (selected)

- Professor Emeritus, Faculty of Science and Medicine, University of Fribourg (as of 1.8.2018)
- Member of the Swiss Academy of Medical Sciences (elected as individual member in 2009)
- President of the Medical Alumni Association of Fribourg (MedAlumni) (since 2019)
- Member of the Scientific Committee of the Fribourg Registry of Tumors (since 2006)

Former (selected)

- Head of the Division of Physiology, Dept. of Medicine, University of Fribourg (1995-2018)
- Vice-Dean of the Faculty of Sciences (4-years: 1998-2002; 2x6 months in 2009 and in 2010)
- Member of the Federal Executive Committee for Exams in Medicine (1998-2007)
- Member of the Foundation Council of the Swiss National Science Foundation (2002-2016)
- Head of the Curriculum Committee and Pedagogical Unit, Dept. of Medicine (1998-2014)
- President, Swiss Physiological Society (3-year term: 2001-2003)
- Member of the Research Committee of the University of Fribourg (2001-2007)
- President of the Section / Dept. of Medicine, University of Fribourg (1997-1999, 2004-2006)
- Member of the Executive Board of the Doctoral School “Cardiovascular and Metabolism” of the Universities of Fribourg, Geneva and Lausanne (2004-2009).
- Head co-responsible Accreditation Steering Group (Bachelor in Medicine / UniFR, 2010-2011)
- Member of the Board of Trustees for the Hospital Network of the State of Fribourg (network of 6 State Hospitals, 3'000 employees, more than 20'000 inpatients per year) (2006-2017)
- Member of the Board of Trustees of the Marcel Benoist Foundation (awarding every year the Marcel Benoist Prize, the highest scientific prize within Switzerland) (2008-2020)
- Member, “Institutsrat des Forschungsinstituts zur Geschichte des Alpenraums” (1997-2020)
- Member, Scientific Council for the National Admission Test for Medical Studies (1997-2016)
- Member of the Joint Commission of the Swiss Medical Schools (1996-2017)
- General Secretary of the Medical Alumni Association of Fribourg (MedAlumni) (2004-2019)
- Ombudsman of the Faculty of Biology and Medicine, University of Lausanne (2016-2018).