

CURRICULUM VITAE**Serge FERRARI, MD** **Orcid No:** [0000-0002-1372-4417](https://orcid.org/0000-0002-1372-4417)Born in Geneva, 15th June 1963

Nationality: Swiss

Origin: Geneva (Gd-Lancy)

Professional: Service des Maladies Osseuses

Department of Medicine

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Professor of Medicine and Vice-Dean, Geneva Faculty of Medicine

Head, Service and Research Laboratory of Bone Diseases, Geneva University Hospital (HUG)

Education

1982-1989.1	Pre-graduate studies, MD, Geneva Faculty of Medicine
1988	Certificate in Cell and Molecular Biology (programme MD-PhD), Geneva Faculty of Sciences
1989	Certificate of the Educational Council for Foreign Medical Graduates (ECFMG)
1991	Doctorate in Medicine, UNIGE (Title: <i>Synthesis and regulation of parathyroid hormone-related protein in primary cultures of mammary epithelial cells</i> . <i>J Cell Physiol</i> 1992; 150:304-11)
1997	Specialty Board examination (FMH) Internal medicine
1997	Limited License du Board of Registration in Medicine, Commonwealth of Massachusetts

Academic Career

07.1999-06.2001	Instructor in Medicine, Harvard Medical School
2004	Privat Docent, Geneva Faculty of Medicine (Title: <i>Genetics of Osteoporosis</i>)
04.2001-03.2007	SNF granted Assistant Professor, UNIGE and Research Laboratory of Bone Diseases, HUG
10.2007-12.2012	Adjunct professor, Geneva Faculty of Medicine, UNIGE
01.01.2013	Associate professor, Geneva Faculty of Medicine, UNIGE
01.10.2014-	Full professor, UNIGE, and Head, Service of Bone Diseases, HUG
2019-2023	Director, Academic Department of Medicine, UNIGE

Employment

04.1989-09.1991	Research Assistant, Laboratory of Pathophysiology, HUG
10.1991-07.1993	Medical Intern, Department of Medicine, HUG
08.1993-01.1994	Visiting Fellow, Division of Nephrology, Clinique St-Luc, UCL, Brussels
02.1994-09.1995	Resident, Division of Pathophysiology, HUG
10.1995-03.1996	Resident, Medical Clinic 1, HUG
04.1996-09.1997	Chief Resident, Medical Clinic 1, HUG
10.1997-06.1998	Clinical Fellow, Div. of Endocrinology and Metabolism, Beth Israel Deaconess Medical Center, Boston, USA
10.1997-06.2001	Research Fellow (post-doc), Research Laboratory of Bone and Mineral Metabolism, Beth Israel Deaconess Medical Center, Boston, USA
07.1999-06.2001	Associate in Medicine, Department of Medicine, Beth Israel Deaconess Medical Center, Boston
04.2001-03.2007	Senior Research Associate Research Laboratory of Bone Diseases, HUG
01.10.2007-	Senior Medical Doctor (Médecin-adjoint agrégé), Service of Bone Diseases, Department of Rehabilitation and Geriatrics, then Dept of Medicine, HUG
01.10.2014-	Head, Service and Research Laboratory of Bone Diseases, HUG

Institutional responsibilities

- President of the committee for Medical Doctorates, Geneva Faculty of Medicine

Current Teaching

- Lectures on bone metabolism and genetics , pre-graduate education at the Geneva Faculty of Medicine
- Lectures on molecular endocrinology of bone and mineral metabolism, pre-graduate education at Geneva Faculty

of Sciences (Biology)

- Course on bone disorders, MAS in toxicology, Molecular endocrinology (post-graduate)

Research areas

- Genetics of osteoporosis
- Role of bone micro-architecture in fragility fracture risk
- Molecular mechanisms of bone modelling and remodelling (genetic mouse models)
- Pre-clinical and clinical evaluation of osteoporosis drugs
- Mechanisms of bone fragility in diabetes

Major Recent Awards

- International Award for Publishing Excellence in *The Journal of Clinical Endocrinology & Metabolism* (2012)
- Steven Boonen/European Calcified Tissue Society (ECTS) clinical research award (2014)
- Olof Johnell Science award of the International Osteoporosis Foundation (IOF) (2016)
- L Raisz esteemed award of the American Society of Bone and Mineral Research (ASBMR) (2022)

Patents

“Periostin fragments and use thereof” (EUR Patent No No 3359210)

Current Technical and Scientific functions

Boards of Medical Societies:

- President of the Swiss Association against Osteoporosis (ASCO/SVGO) (2018-; Vice-President since 2012))

Scientific Committees:

- Evaluation committee for Postdoc. mobility grants of the Swiss National Science Foundation (SNF)
- Scientific advisory board of the Novartis Foundation for bio-medical research
- Vice-Chair of the Council of Scientific Advisors, *The International Osteoporosis Foundation (IOF)*
- Co-chair of the Steering committee on the *Capture-the-fracture* program, *IOF (2019-23)*
- Chair of the steering committee of the International Bone Academy

Major recent institutional grants:

SNF 310030_214959 , 01/06/23-31/05/27	988'000 CHF
<i>Role of osteocytes metabolic dysfunctions in diabetic bone disease</i>	
SYNERGIA, SNF CRSII5-183584/1 , 01/01/19-31/12/23	1.428 mio CHF
S. Ferrari, P. Zysset (UNIBE), Co-PI	
<i>A fragility fracture integrative risk model for CT recycling (AFFIRM-CT)</i>	
SNF 310030-185230 , 01/04/19-31/05/23	846'720 CHF
<i>Mechanisms of bone fragility and response to RANK Ligand and sclerostin inhibitors</i>	
Geneva University Hospital Private Foundation , 01/09/16-31/08/19	600'000 CHF
<i>Low-trauma fractures in non-osteoporotic patients: is it bone fragility?</i>	