**Prof. Francesco Sala**

*Curriculum Vitae*

**Personal**

Date of birth: October 1st 1967

Place of birth: Vicenza, Italy

Married with Elena Caveggion, biologist

Three children

**Address**

Dept. of Neurosciences, Biomedicine and Movement Sciences

Section of Neurosurgery

University Hospital

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**Private address**

Via Rovereti 36

37124 Negrar (Verona)

**Education**

Years Institute

1981-1986 Liceo Scientifico "G.B. Quadri

Vicenza, Italy

1986-1992 University of Verona

Medical School

August 1989 General Surgery II

University of Graz, Austria

Chairman prof. H. Cesnik

August 1990 Department of Neurosurgery

University of Vienna, Austria

Chairman prof. W. Koos

August 1992 Department of Neurosurgery

University of Hannover, Germany

Chairman prof. H. Dietz

Since 1991 Department of Neurosurgery

University of Verona

Chairman prof. A. Bricolo

1992-1997 Residency in Neurosurgery

University of Verona

Chairman prof. A. Bricolo

June1994-Sept.1995 Neurosurgical Research Laboratory

New York University Medical Center

Director Wise Young, MD PhD

Oct. 1995-Dec. 1995 Army Medical Officier Training

Scuola di Sanità Militare

Florence

Jan. 1996-Jan. 1997 Attending physician

Military Hospital of Verona

Section of Forensic Medicine

May 1998-Nov. 1999 Clinical Fellow

Division of Intraoperative Neurophysiology

Institute for Neurology and Neurosurgery

Beth Israel Medical Center, New York, NY

Director Vedran Deletis, MD PhD

Dec 97-May 98 and Nov 99-Aug 2000

Fellow in Neurosurgery

Dept. of Neurological Sciences and Vision

Verona University

Director Albino Bricolo, M.D.

August 2000 Attending Neurosurgeon

Dept. of Neurological Sciences and Vision

Verona University

Director Albino Bricolo, M.D.

Sep. 2003-Sep. 2004 Clinical Fellow

Pediatric Neurosurgery

The Hospital for Sick Children

University of Toronto

Director: James Drake, M.D.

Dec. 2007-Aug. 2014 Assistant Professor of Neurosurgery

Dept. of Neurological and Visual Sciences

Section of Neurosurgery

University Hospital

Verona, Italy

Aug. 2014-Nov. 2017 Associate Professor of Neurosurgery

Dept. of Neurological and Visual Sciences

Section of Neurosurgery

University Hospital

Verona, Italy

Since Dec.2017 Full Professor of Neurosurgery

Dept. of Neurosciences, Biomedicine and Movement Sciences

Section of Neurosurgery

University Hospital

Verona, Italy

**TEACHING ACTIVITY**

**Local teaching appointments**

Since October 2016, Prof. Sala is the Director of the Residency Program in Neurosurgery at the University of Verona. He’s also faculty member of the following Residency programs at the University of Verona: Neurology, Pediatric Neurology, Plastic Surgery, ENT, Maxillo-Facial Surgery, Ophthalmology.

He has bee member of the Faculty for the PhD Program in Neurosciences at the University of Verona from 2008 to 2010, from 2012 to 2013 and since 2014 is faculty of the PhD Program in Neurosciences, Psychological and Psychiatric Sciences.

**International teaching appointments**

Since 2009 is member of the faculty for the Training Courses of the European Association of Neurosurgical Societies: Padova 2010, Halkidiki 2010, Tallin 2011, Pecs 2012, Leeds 2012, Praga 2013, Barcelona 2014, Lisbon 2015, Sofia 2016, Berlin 2016, Prague 2017.

In 2009 he was the promoter of the Educational Courses of the International Society of Intraoperative Neurophysiology (ISIN), where he was Chairman of the Educational Committee from 2009 to 2013 and is currently Co-Chair of the same Committee.

Additionally, he has participated into and/or organized over 40 international educational courses, mainly in the field of Intraoperative Neurophysiology or Pediatric Neurosurgery.

**RESEARCH ACTIVITY**

**International Basic and Clinical Research Activities**

June 1994- Sept. 1995 (15 months): Research Fellow, Neurosurgical Research Laboratory, New York University Medical Center, New York, NY, USA. Director: Wise Young, MD, PhD

May 1998- Nov. 1999: (18 months): Research and Clinical Fellow, Division of Intraoperative Neurophysiology, Institute for Neurology and Neurosurgery, Beth Israel Medical Center, New

York, NY, USA. Director: Vedran Deletis, MD PhD

Sept. 2003-Sept. 2004 (12 months): Clinical Fellow in Pediatric Neurosurgery, The Hospital for Sick Children, University of Toronto, Canada. Director, James Drake, MD

February 10-14, 2008: Service de Neurochirurgie Pediatrique, Hopital Neurologique de Lyon. Director: Dr. C. Mottolese (cinical research)

August 2009: Visiting Professor in Neurosurgery, University of Cape Town, Cape Town, South Africa

June 27-29, 2012: Visiting Professor in Neurosurgery, British Columbia’s Children Hospital, University of British Columbia, Vancouver, Canada

**Previous PRIN participation**

**PRIN 2008 (granted)**: Spinal cord injury: analysis of regenerative potential of stem/precursor cells with neural differentiation capacity extracted from the rat leptomeninges (duration 24 months). Role: Responsible of Research Unit

**SCIENTIFIC ACTIVITY**

**Appointments in International Scientific Societies**

**International Society for Pediatric Neurosurgery**

Member of the Scientific Committee for the Annual Meeting 2002 (Kyoto), 2007 (Liverpool), 2008 (Cape Town), 2009 (Los Angeles), 2010 (Jeju), Kobe (2016), Denver (2017)

Member of the Nominating Committee 2008-2009

Member of the Executive Board (Office: Liaison) 2009-2011 and since 2016 (Office: Vice-Chair Scientific Committee)

**European Society for Pediatric Neurosurgery**

Member of the Executive Board 2008-2012 (Office: Website and Communication) and since 2016 (Office: Membership)

Member of the Nominating Committee 2012-2014

**International Society of Intraoperative Neurophysiology**

Member of the Scientific Committee for the Biannual Meeting 2007 (Lucerne), 2009 (Dubrovnik), 2013 (Cape Town)

Member of the Executive Board 2009-2017 (Secretary 2009-2011; President Elect 2011-2013, President 2013-2015, Immediate Past-President 2015-2017)

**European Association of Neurosurgical Societies**

Delegate of the Italian Neurosurgica Society for the EANS Training Committee (September 2015, November 2017). Executive Board Member, since October 2017

**World Federation of Neurosurgical Societies**

Chair of the Neuromonitoring Committee (2016-2020)

**Awards and acknowledgements**

International Federation of Clinical Neurophysiology Fellowship Award 2001 for young investigators: “The role of intraoperative neurophysiological monitoring and provocative tests in understanding spinal cord hemodynamics during endovascular procedures for spinal vascular lesion”. Presented in Buenos Aires, May 2001.

Guidetti Award 2002 for the best paper submitted by a young neurosurgeon to the Italian Society of Neurosurgery Annual Meeting: “Brain surgery in motor areas: The invaluable assistance of intraoperative neurophysiological monitoring”. Presented in Bolzano, September 2002.

Raimondi Award 2002 for the best paper submitted by a young neurosurgeon to Child’s Nervous System: “Intraoperative neurophysiological monitoring in pediatric neurosurgery: why, when, how?”. Presented in Kyoto, October 2002.

Presidential Lecture at the 21st Annual Meeting of the American Society of Neurophysiological Monitoring. Nashville (TN), USA, April 22-25, 2010

First European Keynote Speaker at the Annual Symposium of the Canadian Association of Neurophysiological Monitoring. Ottawa, Canada, September 4-5, 2013

Award certificate for the best Discussion Group evaluation score at the EANS Training Course in Berlin, October 2-5, 2016

***Editorial Board Member***

Journal of Neurosurgical Sciences

***Reviewer for the following peer-reviewed journals***

1. Biomed Central Neurology
2. Childs Nervous System
3. Clinical Neurophysiology
4. European Spine Journal
5. Frontiers in Neurology
6. Journal of Clinical Neurophysiology
7. Journal of Experimental and Clinical Cancer Research
8. Journal of Neurosurgical Sciences
9. Neurological Research
10. Neurosurgery
11. Neurosurgical Focus
12. Operative Neurosurgery
13. Pediatric Neurosurgery
14. Surgical Neurology International
15. World Neurosurgery
16. Zentralblatt Neurochirurgie

***Other international activity as reviewer***

2011: International referee for the 2011 call of the French Research National Agency (L’Agence national de la recherché) in the field of Neurosciences. Title of the reviewed project: “The hidden functional organization of the motor and sensory cortex in humans”.

2013: International reviewer for the dissertation thesis (MMed in Neurosurgery) of Dr. Edwin Mogere, Faculty of Health Sciences, University of Cape Town, South Africa. Title of the thesis: “Impact of secondary insults on the outcome of paediatric traumatic brain injury”.

2017: International reviewer and opponent for the PhD dissertation thesis of Dr. Morton Wibroe, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark. Title of the thesis: “Cerebellar Mutism Syndrome after posterior fossa surgery in children, adolescents and adults”.

**PUBLICATIONS** (H-Index 22; Scopus)

Prof. Sala has authored or co-authored 71 peer-reviewed papers, 20 book chapters, and over 150 abstracts.

**INVITED LECTURES**

290, in six continents (Europe, Africa, North America, South America, Asia, Oceania).

**CLINICAL ACTIVITY**

Staff neurosurgeon at the Institute of Neurosurgery in Verona since 2000. Responsible for the Pediatric Neurosurgery Unit at the University Hospital in Verona since 2009. His clinical activity is divided between adult (50%) and pediatric (50%) neurosurgery. The surgical activity includes about 2000 procedures since 2005, with a focus on brain tumors, intramedullary spinal cord tumors, congenital malformations, neuroendoscopy and the broad spectrum of Pediatric Neurosurgery. One of his main fields of interest is the functional approach to brain tumor surgery, through the use of Intraoperative Neurophysiology. Prof. Sala is particularly committed to the training of young neurosurgeons and the development of intraoperative neurophysiology in the global neurosurgical community.