



## Curriculum Vitae

### IDENTIFICATION

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Email address: walter.silva@hiba.org.ar/ whsilva@gmail.com

Marital status: Married

Date of Birth: March 1, 1966

Argentina Nationality

Document Number (DNI): 17541499

Male gender

Profession: Physician (U.B.A) M.N. 82.863

### PROFESSIONAL EDUCATION

Medical doctor

University of Buenos Aires, Faculty of Medicine, Argentina.

Year graduated: 1991 (Issued on April 29, 1991).

Neurology Specialist Physician

University of Buenos Aires, Faculty of Medicine, Argentina.

Year graduated: 1996 (Issued on October 2, 1997)

-Resident of the Medical Clinic Hospital General Parmenio Piñero. City of Buenos Aires, Argentina. (Period: July 1991 to June 1993).

-Complete Neurology Residency. General Hospital J. Ramos Mejia. City of Buenos Aires, Argentina. (Period June 1993 to June 1996).

-Fellowship Doctor of Improvement and Research - National Council for Scientific and Technical Research - CONICET - of the Department of Neurology - Epilepsy Reference Center and Video Unit - EEG - General Hospital of Acute JM Ramos Mejia. City of Buenos Aires, Argentina. (Periods: June 1996 to August 1999). Director Professor Dr. Sara Silvia Kochen

Certificate of Advanced Specialized Training (AFSA) in Neurology

University of the Mediterranean Aix-Marseille II, Faculty of Medicine, France

University Year 1999/2000. Academic manager Director Professor Dr. Patrick Chauvel

Year graduated: 2000 (issued on January 29, 2001).

Fellowship in Neurophysiology and Epileptology. University Hospital Center -CHU - for Adults and Children La Timone - University of the Mediterranean Aix-Marseille II. Marseille, France. 1999/2001. Director Professor Dr. Patrick Chauvel

International Student in the Department of Child Neurology / Epilepsy Section. The Cleveland Clinic Foundation. Cleveland - Ohio- USA November 2005

Teaching a master's degree in Education for Health Professionals and is developing my thesis on the topic "Development and validation of Reliable Professional Activities APROCs for the basic level of the competency-based educational curriculum in epileptology proposed by the ILAE for scholarship holders training courses trained in Argentina".

## **INSTITUTIONAL APPOINTMENTS**

Physician from the Department of Neurology - Epilepsy Reference Center and Video-EEG Unit - General Hospital J. M. Ramos Mejia (Periods: 1996 - 1999 and 2001 - 2004).

Internal Physician in charge of Acting Internal Function (F.F.I.)  
Clinical Neurophysiology Service and Epileptology Unit of the University Hospital Center for Adults and Children of La Timone, Marseille, France. (Period 1999 - 2001). Head of Service Professor Dr. Patrick Chauvel

Ascribed Physician - Pediatric Neurology - Hospital Italian de Buenos Aires from 2006 to 2007.

Deputy Head of Service - Pediatric Neurology - Hospital Italian de Buenos Aires from 2013 to 2018.

## **CURRENT POSITION**

**Head of the Neurophysiology and Epilepsy Section - Children's Neurology Service - Hospital Italian de Buenos Aires from 2007 to the present.**

**Head of the epilepsy section of the Argentine Institute of Neurology from 2004 to the present.**

## **OTHER ACADEMIC APPOINTMENTS**

### **MEMBERSHIPS**

#### **International**

International League Against Epilepsy

American Epilepsy Society

#### **National**

**Current President - Argentine League Against Epilepsy. Period 2019-2021**

Vice President - Argentine League Against Epilepsy. Period 2017 -2019

Secretary General - Argentine League Against Epilepsy. Period 2015 -2017

Member of the Board of Directors of the Argentine League Against Epilepsy. Period 2013-2015.

Member of the Board of Directors of the Argentine League Against Epilepsy. Period 2011-2013.

Member of the Board of Directors of the Argentine League Against Epilepsy. Period 2009 - 2011.

Alternate Member of the Board of Directors of the Argentine League Against Epilepsy. Period 2007 -2009.

Secretary of the Epilepsy Group of the Argentine Neurological Society. Period 2008 - 2010.

Adjunct Member of the Argentine Society of Child Neurology since 2006.

Full Member of the Argentine Neurological Society since 1998.

Adjunct Member of the Argentine Society of Electroencephalography and Clinical Neurophysiology since 2003.

## **PUBLICATIONS (JOURNALS)**

### **31 articles in peer reviewed journals**

#### **Last 5 years:**

1. Salinas V, Vega P, Marsili L, Pérez-Maturo J, Martínez N, Zavala L, González-Morón D, Medina N, Rodríguez-Quiroga SA, Amartino H, Maxit C, Sturchio A, Grimberg B, Duque K, Comas B, Silva W, Consalvo D, Sfaello I, Espay AJ, Kauffman MA. The odyssey of complex neurogenetic disorders: From undetermined to positive. *Am J Med Genet C Semin Med Genet*. 2020 Dec;184(4):876-884. doi: 10.1002/ajmg.c.31848. Epub 2020 Oct 20. PMID: 33084218.
2. Adolfo M García, Eugenia Hesse, Agustina Birba, Federico Adolphi, Ezequiel Mikulan, Miguel Martorell Caro, Agustín Petroni, Tristan A Bekinschtein, María del Carmen García, Walter Silva, Carlos Ciraolo, Esteban Vaucheret, Lucas Sedeño, Agustín Ibáñez, Time to Face Language: Embodied Mechanisms Underpin the Inception of Face-Related Meanings in the Human Brain, *Cerebral Cortex*, Volume 30, Issue 11, November 2020, Pages 6051–6068, <https://doi.org/10.1093/cercor/bhaa178>
3. Andrés Canales-Johnson, Alexander J Billig, Francisco Olivares, Andrés Gonzalez, María del Carmen García, Walter Silva, Esteban Vaucheret, Carlos Ciraolo, Ezequiel Mikulan, Agustín Ibanez, David Huepe, Valdas Noreika, Srivas Chennu, Tristan A Bekinschtein, Corrigendum: Dissociable Neural Information Dynamics of Perceptual Integration and Differentiation during Bistable Perception, *Cerebral Cortex*, Volume 30, Issue 6, June 2020, Page 3856, <https://doi.org/10.1093/cercor/bhaa113>
4. Andrés Canales-Johnson, Alexander J Billig, Francisco Olivares, Andrés Gonzalez, María del Carmen García, Walter Silva, Esteban Vaucheret, Carlos Ciraolo, Ezequiel Mikulan, Agustín Ibanez, David Huepe, Valdas Noreika, Srivas Chennu, Tristan A Bekinschtein, Dissociable Neural Information Dynamics of Perceptual Integration and Differentiation during Bistable Perception, *Cerebral Cortex*, Volume 30, Issue 8, August 2020, Pages 4563–4580, <https://doi.org/10.1093/cercor/bhaa058>
5. Vaucheret E, Peralta J, Garcia-Basalo M, Agosta G, Silva W. Trastornos transitorios de la lectura asociados a descargas paroxísticas epileptiformes interictales en videocorticografía invasiva [Transient reading disorders associated with interictal epileptiform paroxysmal discharges in invasive videocorticography]. *Rev Neurol*. 2019 Jun 16;68(12):517-523. Spanish. doi: 10.33588/rn.6812.2018391. PMID: 31173332

6. E. Hesse ; E. Mikulan; J. D. Sitt; M. d. C. Garcia; W. Silva; C. Ciraolo; E. Vaucheret; F. Raimondo; F. Baglivo; F Adolfi; E. Herrera; T. A. Bekinschtein; A. Petroni; S. Lew; L. Sedeño; A. M. García & A. Ibáñez "Consistent Gradient of Performance and Decoding of Stimulus Type and Valence From Local and Network Activity," in IEEE Transactions on Neural Systems and Rehabilitation Engineering, vol. 27, no. 4, pp. 619-629, April 2019, doi: 10.1109/TNSRE.2019.2903921.
7. Aberastury M, Fernández R, Córdoba M, Comas B, Peralta M, Agosta G, Kauffman M, Silva W. DEPDC5 mutation and familial focal epilepsy with variable foci: genotype and phenotype of a family. *Epileptic Disord.* 2019 Feb 1;21(1):42-47. doi: 10.1684/epd.2019.1025. PMID: 30767899.
8. Salinas .V, Vega P., Piccirilli M.V., Chicco C., Ciraolo C., Christiansen S., Consalvo D., Perez-Maturo J., Medina N., González-Morón D., Novaro V., Perrone C., García M.D. Agosta G., Silva W., Kauffman M. Identification of a somatic mutation in the RHEB gene through high depth and ultra-high depth next generation sequencing in a patient with Hemimegalencephaly and drug resistant Epilepsy. *Eur J Med Genet.* 2018 Nov 7. pii: S1769-7212(18)30571-8. doi:10.1016/j.ejmg.2018.11.005
9. Mikulan E., Hesse E., Sedeño L., Bekinschtein T., Sigman M., García M.D.C., Silva W., Ciraolo C., García A.M., Ibáñez A. Intracranial high- $\gamma$  connectivity distinguishes wakefulness from sleep. *Neuroimage.* 2018 Apr 1; 169:265-277. doi: 10.1016/j.neuroimage.2017.12.015. Epub 2017 Dec 8.
10. González-Morón D, Vishnopolska S, Consalvo D, Medina N, Marti M, Córdoba M, Vazquez-Dusefante C, Claverie S, Rodríguez-Quiroga SA, Vega P, Silva W, Kochen S, Kauffman MA. Germline and somatic mutations in cortical malformations: Molecular defects in Argentinean patients with neuronal migration disorders. *PLoS One.* 2017 Sep 27;12(9): e0185103. doi: 10.1371/journal.pone.0185103. eCollection 2017.
11. García-Cordero I, Esteves S, Mikulan EP, Hesse E, Baglivo FH, Silva W, García MDC, Vaucheret E, Ciraolo C, García HS, Adolfi F, Pietto M, Herrera E, Legaz A, Manes F, García AM, Sigman M, Bekinschtein TA, Ibáñez A, Sedeño L. Attention, in and Out: Scalp-Level and Intracranial EEG Correlates of Interoception and Exteroception. *Front Neurosci.* 2017 Jul 19; 11:411. doi: 10.3389/fnins.2017.00411.
12. Aberastury M, Comas B, García M, Besocke A, Ciraolo C, Agosta G, Silva W. Epilepsy surgery in children and adolescents: Report on 43 cases. *Arch Argent Pediatr.* 2016 Oct 1;114(5):458-63.

## CURRENT RESEARCH TASKS

Researcher at the University Institute of the Italian Hospital. Assistant Researcher from 2010 to the present.

External evaluator of the research projects presented in the Call for the "Ramón Carrillo - Arturo Oñativa" Scholarships, 2010 and 2011. The National Health Commission Investigates. Ministry of Health Presidency of the Nation

Principal Investigator for the Italian Hospital of Buenos Aires of the PICT-2012-1309. Direct measurements and brain connectivity during rest and cognitive activity: local field potentials (LFP) in humans.

Principal Investigator: Use of New Methodologies in the Characterization of Genetic Alterations of the mTOR Pathway and Cell Subtypes in Glioneuronal Tumors and Focal

Cortical Dysplasia: Sequencing of Individualized DNA Molecules and Single Cell Transcriptomics.

## **TEACHING EXPERIENCE**

*Director of the Postgraduate Course: Clinical Neurophysiology I: Modern Electroencephalography, Basic Principles and Clinical Applications. University Institute of the Italian Hospital of Buenos Aires 40-hour face-to-face course with final exam. School years: 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020.*

*Associate Professor of the Academic Department of Pediatrics of the University Institute of the Italian Hospital of Buenos Aires. Specialization Career in Child Neurology from September 13, 2017 to the present.*

Adjunct Professor of the Academic Department of Pediatrics of the University Institute of the Italian Hospital of Buenos Aires. Specialization in Child Neurology from October 2012 to 2017.

Head of Practical Works of the University Department of Pediatric Clinic of the University Institute of the Italian Hospital of Buenos Aires. Resolution 40/08 from September 30, 2008 to September 2012.

Head of practical works (Honorary) of the I Chair of Neurology- UBA. Ramos Mejia Hospital. Summer Course 2006 by Prof. Dr. Silvia Kochen.

1st Teaching Assistant (Honorary) of the 1st Chair of Neurology- UBA. Year 2004 to 2005.

1st Assistant (Honorary) of the Chair of Neurology- UBA. Ramos Mejía Hospital. Position obtained by competition (from 1996 to 1999)

2nd Assistant (Honorary) of the Department of Physiology, Faculty of Medicine (From 03/01/1988 to 02/28/1989).

2nd Assistant (Honorary) of the Department of Physiology, Physiological Orientation of the CNS. Faculty of Medicine (From 03/27/1989 to 03/27/1991).

Guest Teacher: Course Is the diagnosis epilepsy? Reasons for frequent errors: XLIII Argentine Congress of Neurology November 15-18, 2006

Visiting Professor Postgraduate Course - Advances in Neurosciences - OSDE Foundation National Teleconference: Advances in the treatment of Epilepsy Bs. As. June 15, 2006

Guest Teacher. Postgraduate University Course: Update on Epilepsy (1997) Faculty of Medicine- University of Buenos Aires.

Guest Teacher. Critical Medicine Career (biannual course 1997/1998) -Universidad Católica Argentina

Guest Teacher. Clinical Neurology Course for Resident Physicians of the Medical Clinic Service. Organized by the Teaching and Research Committee of the Hospital General Dr. Enrique Tornú. November 1998.

Guest Teacher. Specialization in Critical Medicine (2001 course) - Pontificia Universidad Cattolica Argentina - Postgraduate Faculty of Health Sciences.

Visiting professor: Biennial Specialization Course in Critical Medicine and Intensive Therapy of the Argentine Medical Association and the Argentine Society of Critical Medicine and Intensive Therapy. Topic: "STATE OF ILL AND SEIZURES IN UTI". May 19, 2004.

Invited teacher: NOA Neurology and Neurosurgery Biannual Course: Epilepsy Module: From March 02 to 03, 2007 Salta, Argentina issues.

### **Director of Improvement scholarships and / or fellowship in epilepsy.**

#### **Italian Hospital in Buenos Aires**

Since 2008, 7 fellowships

#### **Argentine Institute of Neurological Research**

Since 2008, 14 fellowships

### **LECTURES AND SYMPOSIA BY INVITATION**

#### **35 participations**

Last 5 years:

Guest Speaker

Round table: "The latest in Epilepsy"

Conference: Current resistance mechanisms and new antiepileptic drug detection paradigms  
57th Argentine Congress of Neurology. Virtual Congress, November 20-23, 2020, Argentina.

Guest Speaker:

Meet the experts: "Utilities of diagnostic and therapeutic resources in epilepsy".

Topic: Epilepsy Surgery

57th Argentine Congress of Neurology. Virtual Congress, November 20-23, 2020, Argentina

Guest speaker:

Spanish Symposium: Neuromodulation for Treatment of Medically Refractory Epilepsy:  
VNS: Who Are the Best Candidates? Efficacy and Outcome During Long-term Follow-up,  
Walter Silva, MD

AES ANNUAL MEETING 2019 - Dec 6-10 / Baltimore USA

Guest Speaker

Round table: "Refractory epilepsy"

Conference: "Who are candidates for epilepsy surgery"

55th Argentine Congress of Neurology. Mar Del Plata, November 19-22, 2019.

Invited speaker at Round Table: Epilepsy in the different Stages of Life.

Conference: Transition from Childhood to Adolescence.

55th Argentine Congress of Neurology. Mar Del Plata, October 30 to November 2, 2018.

Coordinator: Presentation of clinical cases  
LACE Congress 2018. September 13 and 14, 2018, Buenos Aires.

Coordinator: 8th Epilepsy Surgery Course of the Latin American Centers and the Epilepsy Center of the Cleveland Clinic Foundation  
At the LACE 2017 Congress. October 05 and 06, 2017. Buenos Aires.

## **ACKNOWLEDGMENTS**

Prof. Dr. Natalio Fejerman Award. for the best work presented for the 2020 award.  
Awarded by the Argentine League Against Epilepsy: Argentine Chapter of the International League Against Epilepsy (ILAE).  
Temporal lobe epilepsy surgery with non-lesional brain magnetic resonance imaging: our experience.  
Chicco C.; Aberastury M.; Avalos J; Besocke G; Rosso B; Ciruolo C.; Agosta G.; Maxit C.; García M.; Rey R.; **Silva W.** Neurology, Child Neurology and Functional Neurosurgery Services - Hospital Italiano de Buenos Aires - Argentine Institute of Neurological Research

Prof. Dr. Natalio Fejerman Award. for the best work presented for the 2018 award.  
Awarded by the Argentine League Against Epilepsy: Argentine Chapter of the International League Against Epilepsy (ILAE).  
Epilepsy surgery using stereoelectroencephalography in focal epilepsies: Prognostic factors, effectiveness and safety in adults and children.  
Authors: Chicco C, Aberastury M, Avalos J, Besocke G, Rosso B, Ciruolo C, Agosta G, García M, Rey R, **Silva W.**

Prof. Dr. Mauricio Goldenberg Award. 3rd Conference on Psychiatry at the Hospital Italiano de Buenos Aires. September 23 and 24, 2005.  
"Non-epileptic seizures of psychogenic origin, psychiatric diagnosis"  
D'Alessio L, Monteiro Gomes F, Scévola L, Giagante B, Oddo S, Solís P, Consalvo D, **Silva W**, Kochen S.

"Prof. Edmundo Fisher Award for poster presentation"  
Risk factors involved in the development of postictal and interictal psychosis in patients with refractory epilepsy.  
D'Alessio L, Giagante B, Ibarra V, Pappayanis C, Oddo S, Solís P, Salgado P, Consalvo D, **Silva W**, Seoane E, Zieher LM, Kochen S.  
Awarded at the 12th International Congress of Psychiatry, October 25-28, 2005, Buenos Aires, Argentina

"Vocation Award"  
For the Work: "Determination of the lateralizing value of ictal and postictal clinical manifestations in patients with refractory temporal epilepsy"  
Authors: Giagante B.; Consalvo D.; **Silva W.**; Kochen S.; Oddo S.; Salgado P.; D'Alesio L.; Melcon C.; Centurion E.; Solis P.; Seoane E.; Saidon P.  
Presented at the XLI Argentine Congress of Neurology (San Miguel de Tucumán, October 13-16, 2004

"Award SOCIEDAD NEUROLOGICA ARGENTINA"

For the Work: "Clinical Comparison between Patients Carriers of Periventricular and Subcortical Heterotopias"

Authors: Doctors Consalvo D.; Alurralde A.; Centurion E.; **Silva W.**; Salgado P.; Saidon P.; Kochen S. Sica R.E.P. Presented at the XL Argentine Congress of Neurology. City of Buenos Aires September 29 to October 2, 2002.

Prize for the best publication of 1999 for the work:

"Correlation between visual and verbal memory with hippocampal sclerosis in patients with epilepsy" Revista Neurología Argentina 1999; 24: 117-22.

Authors: Doctors Consalvo D.; Solis P.; Oddo S.; **Silva W.**; Saidón P.; Karakatsanis M. & Kochen, S.

"David Monteverde Award" for the best Poster Presentation.

For Work: "Medical Conduct Against Stroke"

Authors: Doctors Miranda M., Saposnik G., **Silva W.**; Lepera S., Salgado P., Rey R.C.; Sica R.E.P. Presented at the XXXIII Argentine Congress of Neurology. (Mar del Plata, October 6-9, 1994).