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EDUCATION

2001-2006 **Ph.D., Neuroscience**
University of Buenos Aires, School of Pharmacy and Biochemistry,
Buenos Aires, Argentina.

1995-2000 **Graduated in Biochemistry**,
University of Buenos Aires, School of Pharmacy and Biochemistry,
Buenos Aires, Argentina.

PROFESSIONAL EXPERIENCE

2013-present **Senior Research Scientist – Lab Manager**
Hunter James Kelly Research Institute
Jacobs School of Medicine and Biomedical Sciences,
University at Buffalo, The State University of New York.

2011-2013 **Staff Research Associated**
Intellectual and Developmental Disabilities Research Center
David Geffen School of Medicine,
University of California at Los Angeles.

2006-2011 **Postdoctoral Scholar**
Department of Human Genetics,
David Geffen School of Medicine
University of California at Los Angeles.

2000-2006 **Academic Tutor/Teaching Assistant**
Introduction to Cell Biology,
CBC – Introductory Courses in Life Sciences,
University of Buenos Aires, Argentina.

2000-2005 **Doctoral Research Scientist**
Laboratory of Neuroscience, Department of Cell Biology,
School of Medicine,
University of Buenos Aires, Argentina.

OTHER PROFESSIONAL EXPERIENCE

- **VII Latin-American School of Neuroscience**. Clemente Estable Institute, School of Science and School of Medicine, 4-22 March, 2002. Montevideo, Uruguay. Supported by IBRO.
- **Viral Vector Training**. Dr. Alberto Epstein, Centre de Génétique Moléculaire et Cellulaire (CGMC). Génétique Moléculaire d'HSV-1. Université. Claude Bernard Lyon (UCBL) – 16, rue Raphaël Dubois - 69100 Villeurbanne. France. May-June 2004. Supported by CONICET (Argentina)
- **IBRO-INMHA School**, Cordoba, Argentina.. Topics in Cellular and Molecular Neuroscience". September 3-24, 2004.
- **Animal Behavior Training**. Dr. Jorge Quillfeldt. Dpto Biofísica, IB/UFRGS, Porto Alegre, RGS, Brasil. March, 2005. Supported by IBRO.
- **Internship**. Dr. Alberto Epstein, Centre de Génétique Moléculaire et Cellulaire (CGMC). Génétique Moléculaire d'HSV-1. Université. Claude Bernard Lyon (UCBL) – 16, rue Raphaël Dubois - 69100 Villeurbanne. France. September-December 2005. Supported by CNRS (France) and CONICET (Argentina)

HONORS AND AWARDS

2003. American Society for Neurochemistry, Young Investigator Educational Enhancement Award.
2004. Young Investigators Travel Award, First Special Neurochemistry Conference (Avignon, France).
2005. Fellowship from the Committee for Aid and Education in Neurochemistry of the International Society for Neurochemistry.
2005. International Brain Research Organization (IBRO) Fellowship.
2006. American Society for Neurochemistry, Young Latin American Scholars Award.
2009 Seventh World Symposium on Genetic Vision Disorders. Young Investigator Travel Award.
2013. Young Investigators Travel Award, International Society for Neurochemistry and American Society for Neurochemistry.

PROFESSIONAL SOCIETY MEMBERSHIPS

2006-present Society for Neuroscience
2001-present American Society for Neurochemistry
2001-present International Society for Neurochemistry

LECTURES

2009. Seventh World Symposium on Genetic Vision Disorders. The Vision of Children Foundation. San Diego, California, USA. May 2009. **Cheli VT**. Drosophila models of Hermansky-Pudlak Syndrome.

MENTORING

Graduate student:

○ Diara Santiago-González	06/2013-present	PhD Pharmacology/Postdoctoral fellow
○ Norma Zamora	06/2015-05/2019	PhD Pharmacology
○ Tenzing Lama	06/2014-07/2016	MS College of Arts and Sciences, UB
○ Rensheng Wan	08/2017-present	MS Pharmacology
○ Shaina Rosenblum	08/2017-present	MS Neuroscience Program
○ Qiuchen Wan	08/2018-present	MS Pharmacology

- Tomas Carden — Spring 2018 — PhD School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina.
- Eugenia Guitart — Fall 2016 — PhD School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina

Undergraduate student:

- Jacqueline Reid — Summer 2017 — Summer Undergraduate Research Program (SURE)
- Jessica Smith — Summer 2014 Summer CLIMB UP (SURF)
- Precious deVerteiul — Summer 2013 Summer CLIMB UP (SURF)

RESEARCH PUBLICATIONS (Peer Reviewed)

1. **Cheli VT**, Adrover MF, Blanco C, Rial Verde E, Guyot-Revol V, Vidal R, Martin E, Alché L, Sanchez G, Acerbo M, Epstein AL and Jerusalinsky D (**2002**). Gene transfer of NMDAR1 subunit sequences to the rat CNS using Herpes Simplex Virus vectors interfered with habituation. *Cell Mol Neurobiol.* 22(3):303-314.
2. Adrover MF, Guyot-Revol V, **Cheli VT**, Blanco C, Vidal R, Alché L, Kornisiuk E, Epstein AL and Jerusalinsky D (**2003**). Hippocampal infection with HSV-1-derived vectors expressing an NMDAR1 antisense modifies behavior. *Genes Brain Behav.* 2(2):103-113.
3. **Cheli VT**, Adrover M, Blanco C, Ferrari C, Cornea A, Pitossi F, Epstein AL, Jerusalinsky D (**2006**). Knocking-down the NMDAR1 subunit in a limited amount of neurons in the rat hippocampus impairs learning. *J Neurochem,* 97(1):68-73.
4. Ghiani CA, Starcevic M, Rodriguez-Fernandez IA, Nazarian R, **Cheli VT**, Chan LN, Malvar JS, de Vellis J, Sabatti C, Dell'Angelica EC (**2010**). The dysbindin-containing complex (BLOC-1) in brain: developmental regulation, interaction with SNARE proteins and role in neurite outgrowth. *Mol Psychiatry.* 15(2):204-15.
5. **Cheli VT**, Daniels RW, Godoy R, Hoyle DJ, Kandachar V, Starcevic M, Martinez-Agosto JA, Poole S, DiAntonio A, Lloyd VK, Chang HC, Krantz DE, Dell'Angelica EC (**2010**). Genetic modifiers of abnormal organelle biogenesis in a Drosophila model of BLOC-1 deficiency. *Hum Mol Genet.* 19(5):861-78.
6. **Cheli VT**, Dell'Angelica EC (**2010**). Early origin of genes encoding subunits of biogenesis of lysosome-related organelles complex-1, -2 and -3. *Traffic.* 11(5):579-86.
7. Paez PM, **Cheli VT**, Ghiani C, Spreuer V, Handley V and Campagnoni AT (**2012**). Golli myelin basic proteins stimulate oligodendrocyte progenitor cell proliferation and differentiation in remyelinating adult mouse brain. *Glia.* 60:1078-1093.
8. Espinosa-Jeffrey A1, Paez PM, **Cheli VT**, Spreuer V, Wanner I, de Vellis J. (**2013**) Impact of simulated microgravity on oligodendrocyte development: implications for central nervous system repair. *PLoS One.* 8:e76963.
9. **Cheli VT**, Santiago González DA, Spreuer V, Paez PM. (**2015**) Voltage-gated Ca++ entry promotes oligodendrocyte progenitor cell maturation and myelination in vitro. *Exp Neurol.* 265C:69-83.
10. **Cheli VT**, Santiago González DA, Spreuer V, Handley V, Campagnoni AT, Paez PM. (**2016**) Golli Myelin Basic Proteins Modulate Voltage-Operated Ca++ Influx and Development in Cortical and Hippocampal Neurons. *Mol Neurobiol.* 53(8):5749-71.
11. **Cheli VT**, Santiago González DA, Smith J, Spreuer V, Murphy GG, Paez PM. (**2016**) L-type voltage-operated calcium channels contribute to astrocyte activation In vitro. *Glia.* 64(8):1396-415.

12. **Cheli VT**, Santiago González DA, Namgyal Lama T, Spreuer V, Handley V, Murphy GG, Paez PM. (**2016**) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in Oligodendrocyte Progenitor Cells Affects Postnatal Myelination in Mice. *J Neurosci.* 36(42):10853-10869.

13. Santiago González DA, **Cheli VT**, Zamora NN, Lama TN, Spreuer V, Murphy GG, Paez PM. (**2017**) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in NG2-Positive Cells Impairs Remyelination in Mice. *J Neurosci*. 37(42):10038-10051.

14. **Cheli VT**, Santiago González DA, Zamora NN, Lama TN, Spreuer V, Rasmusson RL, Bett GC, Panagiotakos G, Paez PM. (**2018**) Enhanced oligodendrocyte maturation and myelination in a mouse model of Timothy syndrome. *Glia.* 66(11):2324-2339.

15. **Cheli VT**, Santiago González DA, Marziali LN, Zamora NN, Guitart ME, Spreuer V, Pasquini JM, Paez PM. (**2018**) The Divalent Metal Transporter 1 (DMT1) Is Required for Iron Uptake and Normal Development of Oligodendrocyte Progenitor Cells. *J Neurosci.* 38(43):9142-9159.

16. Santiago González DA[*], **Cheli VT**[*], Wan R, Paez PM. Iron metabolism in the peripheral nervous system: the role of DMT1, ferritin and transferrin receptor in Schwann cell maturation and myelination. *J Neurosci. (second-submission)* ***Equal author contribution.**

17. Zamora NN[*], **Cheli VT**[*], Santiago González DA[*], Wan R, Spreuer V, Paez PM. Deletion of voltage-gated Ca++ channels in astrocytes during demyelination reduces brain inflammation and promotes myelin regeneration in mice. *J Neurosci. (second-submission)* ***Equal author contribution.**

ABSTRACTS

2000 Third Annual General Meeting of the International Behavioural and Neural Genetics Society. Knockouts & Mutants III: Genetically Dissecting Brain and Behavior. Brighton, UK. June 2000. *Expression of NMDA receptor NR1 subunit sequences carried by a HSV-1 viral vector in rat hippocampus interfered with habituation.* M Adrover, C Blanco, E Rial Verde, **VT Cheli**, G Sanchez, L Alché, E Kornisiuk, E Martín, A Epstein and D Jerusalinsky (Poster).

2000 Society for Neuroscience, 30th Annual Meeting, New Orleans, USA. November 2000. *Behavioral changes by hippocampal infusion of vectors carrying NR1 subunit sequences of the NMDA receptor*. DA Jerusalinsky, C Blanco, M Adrover, E Rial Verde, **VT Cheli**, G Sanchez, A Epstein (Poster).

2001 26th International Herpesvirus Workshop, Regensburg, Germany. July 2001. *Expression of NMDA receptor NR1 subunit sequences carried by a HSV-1 amplicon vector in rat hippocampus interfered with habituation*. M Adrover, V Revol, C Blanco, E Rial Verde, **VT Cheli**, L Alché, E Kornisiuk, D Jerusalinsky y AL Epstein (Poster).

2001 International Society for Neurochemistry Satellite Meeting. Gene Transfer in Neuroscience: Towards Gene Therapy of the Nervous System. Buenos Aires, Argentina. September 2001. *Transfer of NMDAR1 Related Sequences to the Rat Hippocampus with Herpes Simplex Derived Amplicon Vectors*. MF Adrover, C Blanco, **VT Cheli**, V Guyot-Revol, R Vidal, AL Epstein and D Jerusalinsky (Poster).

2001 Eighteenth Biennial Meeting of the International Society for Neurochemistry and 32nd Annual Meeting of the American Society for Neurochemistry, Bs. As., Argentina, August 2001. *Hippocampal expression of antisense NR1 sequence carried by HSV-1 vectors interfered with memory*. M Adrover, C Blanco, **VT Cheli**, V Revol, R Vidal, L Alché, G Sánchez, A Epstein and D Jerusalinsky (Poster). *J. Neurochem.* 78:14 (AP04-13).

2002 American Society for Neurochemistry, 33rd Annual Meeting, Palm Beach, Florida, USA. June 2002. *Viral Vectors Carrying NR1 Sequences Injected Into Rat Hippocampus Interfered with Learning and*

Memory. **VT Cheli**, M Adrover, V Guyot-Revol, C Blanco, R Vidal, P Vázquez, L Alché, A Epstein and D Jerusalinsky (Poster). *J. Neurochem.* 81 (Suppl. 1): 23.

2002 3rd Forum of European Neuroscience. Federation of European Neuroscience Societies (FENS). Paris, France. July 2002. *HSV-1 derived vectors carrying both NR1 and GFP sequences allow to directly reveal in vivo expression and interfered with learning and memory when injected into rat hippocampus.* M Adrover, **VT Cheli**, V Guyot-Revol, C Blanco, R Vidal, P Vázquez, L Alché, A Epstein and D Jerusalinsky (Poster).

2003 American Society for Neurochemistry, 34th Annual Meeting. Newport Beach, California, USA. May 2003. *NMDAR subunit antisense gene transfer into rat dorsal hippocampus by HSV-1 derived neurotropic vectors modifies behavior*. **Cheli VT**, Adrover M, Blanco C, Vidal R, Guyot-Revol V, Martín E, Epstein A & Jerusalinsky D (Poster). *J. Neurochem.* 85 (Suppl. 1), 72.

2003 Society for Neuroscience, 33rd Annual Meeting, New Orleans, USA, Nov 2003. *Gene transfer of NMDAR1 antisense sequence into the rat hippocampus modifies learning and memory and GFP expression co-localises with neuronal markers*. D Jerusalinsky, **VT Cheli**, M Adrover, C Blanco, V Guyot-Revol, A Epstein (Poster).

2003 International Behavioural and Neural Genetics Society. New Orleans, USA. November 2003. *Identification and quantitation of neurons expressing NR1 transgenes that modifies behavior, from HSV-1 vectors injected into the hippocampus*. **Cheli VT**, Adrover M, Blanco C, Cornea, Sánchez G, Colettis N, Snitcofsky M, Martín E, Epstein y Jerusalinsky D (Poster).

2004 International Society for Neurochemistry, Special Neurochemistry Conference, Avignon. France. May 2004. *Knock-down of NMDAR subunits into rat hippocampus by using HSV-1 vectors carrying ad hoc sequences modifies behavior*. **VT Cheli**, M Adrover, C Blanco, C Ferrari, N Colettis, J Thomas, F Pitossi, A Epstein, D Jerusalinsky (Poster).

2005 American Society for Neurochemistry, 36th Annual Meeting, Madison, Wisconsin. June 2005. *Identification and quantitation of hippocampal neurons transduced by HSV-1 vectors carrying sense and antisense NR1 transgenes*. **VT Cheli**, M Adrover, C Blanco, J Thomas, A Epstein and D Jerusalinsky (Poster). *J. Neurochem.* 94 (Suppl. 1), 82.

2006 American Society for Neurochemistry, 37th Annual Meeting, Portland, Oregon March 2006. *Role of glutamate NMDA receptor containing NR2B subunit in memory consolidation in the hippocampus***. VT Cheli**, M Snitcofsky, N Coletis, C Blanco, G Sanchez, MJ Quillfedt, E Kornisiuk and D Jerusalinsky. (Poster). *J. Neurochem.* 96 (Suppl. 1): 102.

2006 Society for Neuroscience, 37th Annual Meeting, New Orleans. November 2000. *Blockade of hippocampal NR2b subunit containing NMDA receptor facilitates memory consolidation.* **Cheli VT**, Snitcofsky M, Colettis N, Blanco C, Sanchez G, Quillfeldt J, Kornisiuk E, Jerusalinsky D (Poster).

2008 The American Society of Cell Biology, Annual Meeting, San Francisco, California, USA. December 2008. *Genetic analysis of biogenesis of lysosome-related organelles complex-1 (BLOC-1) subunit 1 (Blos1) in Drosophila melanogaster*. **VT Cheli**, R Godoy, IA Rodriguez-Fernandez VK Lloyd, DE Krantz, EC Dell'Angelica (Poster). *Mol. Biol. Cell* 19 (suppl)

2008 The American Society of Cell Biology, Annual Meeting, San Francisco, California, USA. December 2008. *A Data-mining Approach to Prioritize Candidate Binding Partners of Biogenesis of Lysosome-related Organelles Complex-1 (BLOC-1)*. IA Rodriguez-Fernandez, **VT Cheli**, EC Dell'Angelica (Poster). *Mol. Biol. Cell* 19 (suppl), 1264/B474.

2009 Seventh World Symposium on Genetic Vision Disorders. The Vision of Children Foundation. San Diego, California, USA. May 2009. *Drosophila models of Hermansky-Pudlak Syndrome*. **Cheli VT** (Oral presentation).

2012 Symposium on Glial-Neuronal Interactions in Health and Disease, 5th Annual Symposium, University of California at Riverside, January 2012. *Golli myelin basic proteins stimulate oligodendrocyte progenitor cell proliferation and differentiation in remyelinating adult mouse brain*. Paez PM, **Cheli VT**, Spreuer V, Handley V and Campagnoni AT (Poster).

2012 American Society for Neurochemistry, 43rd Annual Meeting, Baltimore, Maryland, March 2012. *Voltage-gated Ca^{++} entry promotes oligodendrocyte progenitor cells maturation and myelination*. Paez PM, **Cheli VT**, Spreuer V, Handley V and Campagnoni AT (Poster).

2013 Annual California Research Forum for the National Multiple Sclerosis Society, Redondo Beach, California, February 2013. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice.* Paez PM, **Cheli VT**, Spreuer V, Handley V and Campagnoni AT (Poster).

2013 International Society for Neurochemistry and American Society for Neurochemistry, 24th Biennial Joint Meeting, Cancun, Mexico, April 2013. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice.* Paez PM, **Cheli VT**, Spreuer V, Handley V and Campagnoni AT (Poster).

2013 International Society for Neurochemistry and American Society for Neurochemistry, 24th Biennial Joint Meeting, Cancun, Mexico, April 2013. *The role of voltage-operated calcium channels in astrocytes reactivity*. **Cheli VT**, Spreuer V, Handley V, Campagnoni AT and Paez PM (Poster) *Journal of Neurochem. 125:s1 (PSM01-03)*. *project received travel award.

2013 ASPET Upstate New York Pharmacology Society, 2nd Annual Meeting, Buffalo, New York, August 2013. *Voltage-Operated Calcium Channels (VOCC) in Astrocyte Activation*. deVerteuil P, Santiago González DA, Spreuer V, Benson C, **Cheli VT** and Paez PM (Oral comunication).

2013 Society for Neuroscience, 7th Annual Neuroscience Day, Buffalo, New York, September 2013. *Cav1.2 Expression in Astrocytes.* Benson C, deVerteuil P, Spreuer V, Santiago González DA, **Cheli VT** and Paez PM (Poster).

2014 American Society for Neurochemistry, 45th Annual Meeting, Long Beach, California, March 2014. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V, Handley V and Paez PM (Poster).

2014 American Society for Neurochemistry, 45th Annual Meeting, Long Beach, California, March 2014. *The role of voltage-operated calcium channels in astrocytes reactivity*. **Cheli VT**, Spreuer V, Handley V, and Paez PM (Poster).

2014 ASPET Upstate New York Pharmacology Society, 3rd Annual Meeting, Buffalo, New York, May 2014. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V, Handley V and Paez PM (Poster).

2014 ASPET Upstate New York Pharmacology Society, 3rd Annual Meeting, Buffalo, New York, May 2014. *The role of voltage-operated calcium channels in astrocytes reactivity*. **Cheli VT**, Spreuer V, Handley V, and Paez PM (Poster).

2014 Society for Neuroscience, 8th Annual Neuroscience Day, Buffalo, New York, September 2014. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V, Handley V and Paez PM (Poster).

2014 Society for Neuroscience, 8th Annual Neuroscience Day, Buffalo, New York, September 2014. *The role of voltage-operated calcium channels in astrocytes reactivity.* **Cheli VT**, Spreuer V, Handley V, and Paez PM (Poster).

2015 American Society for Neurochemistry, 46th Annual Meeting, Atlanta, Georgia, March 2015. *A role for L-type calcium channels in astrocytes reactivity.* **Cheli VT**, Santiago González DA, Spreuer V and Paez PM (Poster).

2015 American Society for Neurochemistry, 46th Annual Meeting, Atlanta, Georgia, March 2015. *Golli myelin basic proteins modulate voltage-gated Ca^{++} uptake and development in cortical and hippocampal neurons.* **Cheli VT**, Santiago González DA, Spreuer V, Handley V, Campagnoni AT and Paez PM (Poster).

2015 XII European Meeting on Glia Cells in Health and Disease, Bilbao, July 2015. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell maturation.* **Cheli VT**, Marziali LN, Santiago González DA, Spreuer V, Pasquini JM and Paez PM (Poster) *Glia 63 (E86)*.

2015 Society for Neuroscience, 9th Annual Neuroscience Day, Buffalo, New York, October 2015. *Conditional deletion of the L-type calcium channel Cav1.2 in oligodendrocyte progenitor cells delay postnatal myelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V and Paez PM (Poster).

2015 Society for Neuroscience, 9th Annual Neuroscience Day, Buffalo, New York, October 2015. *Myelination and calcium handling in a mouse model of Timothy Syndrome*. Namgyal Lama T, Santiago González DA, **Cheli VT**, Spreuer V, Rasmusson R, Bett GC and Paez PM (Poster).

2016 American Society for Neurochemistry, 47th Annual Meeting, Denver, Colorado, March 2016. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell maturation and myelination.* **Cheli VT**, Marziali LN, Santiago González DA, Spreuer V, Pasquini JM and Paez PM (Poster).

2016 American Society for Neurochemistry, 47th Annual Meeting, Denver, Colorado, March 2016. *Conditional deletion of L-type calcium channels in oligodendrocyte progenitor cells affects remyelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V and Paez PM (Poster).

2016 ASPET Upstate New York Pharmacology Society, 5rd Annual Meeting, Rochester, New York, May 2016. *Conditional deletion of L-type calcium channels in oligodendrocyte progenitor cells affects remyelination in mice.* Santiago González DA, **Cheli VT**, Spreuer V and Paez PM (Poster).

2016 Society for Neuroscience, 10th Annual Neuroscience Day, Buffalo, New York, October 2016. *The L-type voltage-operated calcium channel contributes to astrocyte activation in vivo*. Zamora NN, **Cheli VT**, Santiago González DA, Spreuer V and Paez PM (Poster).

2016 Society for Neuroscience, 10th Annual Neuroscience Day, Buffalo, New York, October 2016. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell maturation and myelination*. **Cheli VT**, Marziali LN, Santiago González DA, Spreuer V, Pasquini JM and Paez PM (Poster).

2017 American Society for Neurochemistry, 48th Annual Meeting, Little Rock, Arkansas, March 2017. *Conditional deletion of L-type calcium channels in oligodendrocyte progenitor cells affects remyelination in mice*. Santiago González DA, **Cheli VT**, Spreuer V and Paez PM (Poster).

2017 American Society for Neurochemistry, 48th Annual Meeting, Little Rock, Arkansas, March 2017. *Selective deletion of the L-type voltage-operated calcium channel in reactive astrocytes reduces astrocyte activation in the mouse brain*. Zamora NN, **Cheli VT**, Santiago González DA, Spreuer V and Paez PM (Poster).

2017 American Society for Neurochemistry, 48th Annual Meeting, Little Rock, Arkansas, March 2017. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell*

maturation and myelination. **Cheli VT**, Marziali LN, Santiago González DA, Zamora NN, Spreuer V, Pasquini JM and Paez PM (Poster).

2017 American Society for Neurochemistry, 48th Annual Meeting, Little Rock, Arkansas, March 2017. *Abnormal oligodendrocyte maturation and myelination in a mouse model of Timothy syndrome*. **Cheli VT**, Santiago González DA, Lama TN, Zamora NN, Spreuer V, Rasmusson RL, Bett GC and Paez PM (Poster).

2017 ASPET Annual Meeting at Experimental Biology, Chicago, Illinois, April 2017. *Conditional deletion of the L-type calcium channel Cav1.2 in NG2 positive cells prevent remyelination in mice.* Santiago González DA, **Cheli VT**, Spreuer V and Paez PM (Poster) *The FASEB Journal 31:s1 (813.11)*.

2017 XIII European Meeting on Glial Cells in Health and Disease, Edinburgh, July 2017. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell maturation and myelination*. **Cheli VT**, Marziali LN, Santiago González DA, Zamora NN, Spreuer V, Pasquini JM and Paez PM (Poster) *Glia 65 (E396)*.

2017 XIII European Meeting on Glial Cells in Health and Disease, Edinburgh, July 2017. *Abnormal oligodendrocyte maturation and myelination in a mouse model of Timothy syndrome.* **Cheli VT**, Santiago González DA, Lama TN, Zamora NN, Spreuer V, Rasmusson RL, Bett GC and Paez PM (Poster) *Glia 65 (E133)*.

2018 Gordon Research Conference, Myelin, Development and Diseases of Myelin, Ventura, California, March 2018. *Enhanced oligodendrocyte maturation and myelination in a mouse model of Timothy syndrome*. Santiago González DA, **Cheli VT**, Namgyal Lama T, Zamora NN, Spreuer V, Rasmusson RL, and Paez PM (Poster).

2018 American Society for Neurochemistry, 48th Annual Meeting, Riverside, California, March 2018. *Enhanced oligodendrocyte maturation and myelination in a mouse model of Timothy syndrome*. Santiago González DA, **Cheli VT**, Namgyal Lama T, Zamora NN, Spreuer V, Rasmusson RL, and Paez PM (Poster).

2018 American Society for Neurochemistry, 48th Annual Meeting, Riverside, California, March 2018. *The Divalent Metal Transporter 1 (DMT1) is required for adequate oligodendrocyte progenitor cell maturation and myelination*. **Cheli VT**, Marziali LN, Santiago González DA, Zamora NN, Guitart ME, Pasquini JM and Paez PM (Poster).

2018 American Society for Neurochemistry, 48th Annual Meeting, Riverside, California, March 2018. *Selective deletion of voltage-gated Ca^{++} channels in reactive astrocytes attenuate astrogliosis and promote myelin regeneration after demyelination of the mouse brain.* Zamora NN, **Cheli VT**, Santiago Gonzalez DA, Spreuer V and Paez PM (Poster).

2018 Society for Neuroscience, 12th Annual Neuroscience Day, Buffalo, New York, October 2018. *Ferritin is essential for oligodendrocyte maturation and for the myelination of the mouse brain.* Wan RS, Rosenblum SL, Santiago Gonzalez DA, **Cheli VT**, Paez PM (Poster).

2018 Society for Neuroscience, 12th Annual Neuroscience Day, Buffalo, New York, October 2018. *Iron metabolism in the peripheral nervous.* Santiago Gonzalez DA, Wan RS, **Cheli VT**, Paez PM (Poster).

2018 Society for Neuroscience, 12th Annual Neuroscience Day, Buffalo, New York, October 2018. *Iron Metabolism in Oligodendrocytes: The Role of Ferritin in Myelination and Remyelination.* Rosenblum SL, Santiago González DA, **Cheli VT**, Wan RS, and Paez PM (Poster).

2019 International Society for Neurochemistry and American Society for Neurochemistry, 25th Biennial Joint Meeting, Montreal, Canada, August 2019. *Iron metabolism in the brain: the role of ferritin and transferrin receptor in oligodendrocyte maturation and myelination.* Wan RS, Rosenblum SL, Santiago González DA, **Cheli VT** and Paez PM (Poster).

2019 International Society for Neurochemistry and American Society for Neurochemistry, 25th Biennial Joint Meeting, Montreal, Canada, August 2019. *Iron metabolism in the peripheral nervous system: the role of DMT1, ferritin and transferrin receptor 1 in Schwann cell maturation and myelination.* Santiago González DA, **Cheli VT**, Wan RS and Paez PM (Poster).

2019 International Society for Neurochemistry and American Society for Neurochemistry, 25th Biennial Joint Meeting, Montreal, Canada, August 2019. *Deletion of voltage-gated Ca^{++} channels in astrocytes during demyelination reduces brain inflammation and promotes myelin regeneration in mice.* **Cheli VT**, Santiago González DA, Zamora NN, Wan RS, Spreuer V and Paez PM (Poster).