

Cecilia Poderoso, PhD

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EDUCATION

PhD: Biological Sciences, 2007.

School of Natural Sciences, University of Buenos Aires, Buenos Aires, Argentina.

Research Advisor: Dr. Ernesto Podestá.

Thesis Title: "Fosfo/desfosforilación de proteínas en el control hormonal de la esteroidogénesis"

Bachelor: Biological Sciences, 2000.

School of Natural Sciences, University of Buenos Aires, Buenos Aires, Argentina.

Research Advisor: Dr. Ernesto Podestá.

Academic average: 8.3/10

EXPERIENCE

Current position: 2014-present

-Associate Researcher of CONICET (National National Council of Scientific and Technical Research of Argentina). INBIOMED, Department of Biochemistry, School of Medicine, University of Buenos Aires, Argentina.

Previous position: 2009-2014

-Assistant Researcher of CONICET. INBIOMED, Department of Biochemistry, School of Medicine, University of Buenos Aires

Postdoctoral scholarship: 2007-2009

-Same Institute

Director: Dr. Ernesto Podestá.

Doctoral scholarship: 2001-2007

-Same Institute

Director: Dr. Ernesto Podestá.

Languages

-English. Written and spoken:

1992: First Certificate Exam-University of Cambridge.

-French. Written and spoken:

1993: Lenguas Vivas Professorship Advanced exam.

HONORS AND AWARDS

First award in Signal Transduction Area: 2016

"Angiotensin II promotes activation of mTOR pathway components in H295R adrenocortical cells". Katia Estefanía Helfenberger, Ana Fernanda Castillo, Ana Fiore, Paola Finocchietto, Ernesto J. Podesta, Cecilia Poderoso. LXI Reunión Anual de la Sociedad Argentina de Investigación Clínica (SAIC), Mar del Plata, Argentina.

Travel award for meeting: 2015

45th World Chemistry Congress, August 9-14, Busan, South Korea.

First Mention to poster work: 2010

"Regulación hormonal de la reorganización de las mitocondrias para formar un complejo proteico mitocondrial en la regulación de la síntesis de esteroides". Duarte, A; Soria, G; Poderoso, C; Cooke, M; Gottifredi, V, Podesta; EJ. XII Jornadas Anuales de la Sociedad Argentina de Biología (SAB), IByME, Bs As, Argentina.

Travel award to Traineeship: 2003

-Institut Pasteur-Institut Curie, March-April, 25-28 Rue du Dr Roux, 75015. Paris, France.
Advisor: Dra. Alice Dautry-Varsat.

FUNDING SOURCES/GRANTS AWARDED

Current: 2018-2020

-"Estudio de la regulación espacio-temporal de la vía de mTOR 1/2 por estimulación hormonal en células adrenocorticales tumorales humanas". Cecilia Poderoso (PI). University of Buenos Aires, UBACyT (ARS\$ 85000).

Pending: 2019

-"Regulation of the expression of proteins involved in mitochondrial dynamics in adrenocortical human tumor cells". Cecilia Poderoso (PI). Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina.

Expired:

-“Estudio de la regulación hormonal sobre la dinámica y la transferencia mitocondriales y su efecto en la reorganización subcelular en la esteroidogénesis.” (2016-2018) Cecilia Poderoso (PI). University of Buenos Aires, UBACyT (ARS\$ 50000).

-“Mecanismo de fosfo-desfosforilación mitocondrial en la regulación del transporte de colesterol”. (2010-2012) Cecilia Poderoso (PI). University of Buenos Aires, UBACyT (ARS\$ 12000).

-“Papel del procesamiento y fosforilación vía ERK1/2 de una proteína reguladora del complejo proteico mitocondrial responsable del transporte de colesterol en la mitocondria de tejidos esteroidogénicos”. (2010-2012). Cecilia Poderoso (PI). Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT), Argentina (ARS\$ 40000).

-“Differential mitochondrial ERK1/2 trafficking during proliferative and steroidogenic responses in MA-10 cells”. (2004-2005). Cecilia Poderoso (PI). Grant in Aid of Research, Sigma Xi, The Research Society, USA (US\$ 860).

MENTORING ACTIVITIES

Teaching:

Current: 1998-present

-Assistant teacher in the Department of Biochemistry, School of Medicine, University of Buenos Aires, Buenos Aires, Argentina.

PROFESSIONAL OUTREACH AND SOCIETY SERVICE

Session Chairing:

2016

Signal Transduction Area. LXI Annual Meeting of Sociedad Argentina de Investigación Clínica (SAIC), Mar del Plata, Argentina.

2015

Nephrology Area. LX Annual Meeting of Sociedad Argentina de Investigación Clínica (SAIC), Mar del Plata, Argentina.

COMMITTEE SERVICE

2018-present

Member of the PhD Committee, Basic Research, School of Medicine, UBA

2016-present

Member of Asesor Council of the Instituto de Investigaciones Biomédicas (INBIOMED, CONICET-UBA).

2016

Nomination Committee member of the Sociedad Argentina de Investigación Clínica (SAIC).

2015

Representant of School of Medicine (UBA) Node of the Sociedad Argentina de Investigación Clínica (SAIC).

SUPERVISORY EXPERIENCE

Current:

Thesis:

2017-2022

-PhD Thesis Director: Lic. Katia Helfenberger, Dto. of Biological Chemistry, School of Natural Sciences, University of Buenos Aires, Argentina.

2016-2021

-PhD Thesis Co-Director: Lic. Yanina Benzo, Dto. of Biological Chemistry, School of Natural Sciences, University of Buenos Aires, Argentina.

2017-2020

-Master thesis Director: Bioq. Ana Z. Fiore, School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina.

Scholarships and Traineeships:

2018-present: Traineeship Director of Medical Sciences student Giuliana Argentino, INBIOMED, School of Medicine, University of Buenos Aires, Argentina.

2017-2022: Scholarship Director, Lic. Katia Helfenberger, CONICET.

2016-2021: Scholarship Co-Director, Lic. Yanina Benzo, CONICET.

Previous:

Finished Thesis:

2016

Bachelor Thesis Director of Natural Sciences student Katia Helfenberger. Dto. of Biological Chemistry, School of Natural Sciences, University of Buenos Aires, Argentina.

Scholarships and Traineeships:

2015-2017: Undergraduate UBA Scholarship Director, Natural Sciences student Katia Helfenberger. INBIOMED, School of Medicine, University of Buenos Aires.

2014-2015: Scholarship Co-Director, Medical Sciences student Paula F. Lopez. Consejo Interuniversitario Nacional (CIN).

2013-2014: Traineeship Director of Natural Sciences student, Pilar M. Bergé. INBIOMED, School of Medicine, University of Buenos Aires.

2004-2006: Traineeship Director of Medical Sciences student Ma. Victoria Rodriguez, INBIOMED, School of Medicine, University of Buenos Aires.

EVALUATION TASKS

PhD Thesis:

2019

"Anestésicos volátiles y sus efectos sobre la cadena respiratoria. Regulación de la óxido nítrico sintasa mitocondrial". Lic. Johanna Zuccoli, Dto. of Biological Chemistry, School of Natural Sciences, UBA.

2016

"Rol del sistema tiol-mitocondrial y daño neuronal inducido durante la hipoxia cerebral". Med. Ma. Laura Aón Bertolino, School of Medicine, UBA.

Bachelor Thesis:

2016

"Estudio del mecanismo de acción del receptor H4 a histamina en células de Leydig tumorales, y su posible empleo como blanco terapéutico en el tratamiento de tumores en células de Leydig". Alejandra Marcos, Dto. of Biological Sciences, School of Natural Sciences, UBA.

2010

"Estudio de la interacción de alfa-sinucleína con la mitocondria y las especies reactivas del oxígeno". Jimena H. Martinez, Dto. of Biological Sciences, School of Natural Sciences, UBA.

Meetings awards:

2014

Poster award in Signal Transduction Area of LIX Annual Meeting of Sociedad Argentina de Investigación Clínica (SAIC). Mar del Plata, Buenos Aires, Argentina.

Grants:

2015: CONICET
2018: Cancer National Institute, Argentina.

Scholarships:

2019: Cancer National Institute, Argentina.

INVITED TALKS

8/4/2013: "Participación de proteínas mitocondriales y rol de la mitocondria en el transporte de colesterol a través de membranas". INBIOMED internal talks. Dto. of Biochemistry, School of Medicine, University of Buenos Aires.

12/8/2016: "Cellular regulation of hormonal action", presented in the International Master in Biomedical Sciences, Friburg University (Germany) and Schools of Medicine and Biochemistry, University of Buenos Aires.

15/11/2016: "Study of Hormone Regulation of Mitochondrial Fusion/Fission As A Platform For Subcellular Compartmentalization And Protein Localization in Endocrine Systems". Conference in the IUBMB Symposium: Recent Advances in Signal Transduction Applied to Diagnosis and Treatment of Human Diseases. Mar del Plata, Argentina.

29/5/2017: "Estudio de la dinámica mitocondrial regulada hormonalmente como plataforma para la localización de proteínas en sistemas endocrinos". Internal talks of the Dto. of Biological Chemistry, School of Natural Sciences, University of Buenos Aires.

CONTRIBUTED PRESENTATIONS (last 5 years)

"Mitochondrial fusion regulates gene transcription and activity of a mitochondrial protein StAR". **Poderoso C.**, Bergé, PM., Duarte A., Cornejo Maciel F., Podestá EJ. "Molecular mechanisms in cell signaling and gene expression". Sociedad Argentina de Investigación en Bioquímica y Biología Molecular (SAIB). Instituto Leloir. CABA, Argentina. 6-9 de Noviembre, 2013.

"La fusión mitocondrial participa en la esteroidogénesis regulando la localización de StAR en la mitocondria a través de un mecanismo dependiente de ERK1/2 y PKA". Bergé, Pilar María, Duarte, Alejandra, Podestá, Ernesto J., **Poderoso, Cecilia**. LVIII Reunión Anual de la Sociedad Argentina de Investigación Clínica (SAIC). Mar del Plata, Argentina. 20-23 de Noviembre, 2013.

"Mitofusin 2 mediates Angiotensin II-induced aldosterone synthesis". **Cecilia Poderoso**, Pablo Mele, Ana F. Castillo, Ernesto J. Podestá. Conference of the Adrenal Cortex XVI. Junio 2014. Chicago, Illinois, USA.

"Mitofusina 2 participa en la síntesis de aldosterona estimulada por angiotensina II en células adrenocorticales H295R." **Cecilia Poderoso**, Pablo Mele, Ana F. Castillo, Katia Helfenberger, Ernesto J. Podestá. LIX Reunión Científica Anual de la Sociedad Argentina de Investigación Clínica (SAIC). Mar del Plata, Buenos Aires, Argentina. Noviembre 2014

"Mitochondrial Fusion As A Regulatory Event Of Synthesis And Transport Of Lipid Molecules". Katia E. Helfenberger, Ana F. Castillo, Pablo Mele, Melina A. Dattilo, Paula Maloberti, Ernesto J. Podestá, **Cecilia Poderoso**. IUPAC 45th World Chemistry Congress, 9-14 de Agosto, 2015. Busan, Corea del Sur.

"Arachidonic acid and its metabolites in breast cancer: a transcriptomic approach to elucidate their biological significance". Ana F. Castillo, Ulises D. Orlando, Melina A. Dattilo, **Cecilia Poderoso**, Angela R. Solano, Paula M. Maloberti, Ernesto J. Podesta. IUPAC 45th World Chemistry Congress, 9-14 de Agosto, 2015. Busan, Corea del Sur.

"Biological effects of Triacsin C on rat astrocytes and astroglioma through its action on AcsL4 enzyme" Melina Dattilo, Paula López, Carla Caruso, Fernanda Castillo, **Poderoso Cecilia**, Mercedes Lasaga, Paula Maloberti. IUPAC World Chemistry Congress, 9-14 de Agosto, 2015. Busan, Corea del Sur.

"La estimulación hormonal por Angiotensina II promueve la localización de proteínas mitocondriales a través de Mitofusina 2 en la esteroidogénesis." Katia Estefania Helfenberger; Ana Fernanda Castillo; Ana Zulma Fiore; Ernesto J. Podesta; **Cecilia Poderoso**. LX Reunión Científica Anual de la Sociedad Argentina de Investigación Clínica (SAIC). 18-21 de Noviembre, 2015, Mar del Plata, Argentina.

"ACSL4 promoter characterization and regulation by SHP2 in breast cancer cells". Lopez F, Dattilo M, Benzo Y, Orlando U, **Poderoso C**, Cornejo Maciel, F, Podesta EJ, Maloberti P. LII Reunión Anual de Sociedad Argentina de Investigación en Bioquímica y Biología Molecular (SAIB). 7-10 de Noviembre 2016. Córdoba, Argentina.

"Sequential ERK phosphorylation in tyrosine and threonine determines its cellular distribution". Helfenberger KE, Villalba N, Gelpi R, Paz C, Poderoso JJ, **Poderoso C**. LII Reunión Anual de Sociedad Argentina de Investigación en Bioquímica y Biología Molecular (SAIB). 7-10 de Noviembre 2016. Córdoba, Argentina.

"Angiotensin II promotes activation of mTOR pathway components in H295R adrenocortical cells". Katia Estefanía Helfenberger, Ana Fernanda Castillo, Ana Fiore, Paola Finocchietto, Ernesto J. Podesta, **Cecilia Poderoso**. LXI Reunión Científica Anual de la Sociedad Argentina de Investigación Clínica (SAIC). 16-19 de Noviembre, 2016, Mar del Plata, Argentina.

"Intercellular mitochondrial transfer through nanotubules is promoted by cyclic AMP (cAMP) in rat astrocytes and human glioblastoma cells". HELFENBERGER, Katia, FINOCCHIETTO, Paola, DUARTE, Alejandra, FUENTES, Federico, PODEROSO, Juan José, GELPI, Ricardo, **PODEROSO, Cecilia**. 8th World Targeting on Mitochondria. (World Mitochondria Society) 23-24 Octubre, 2017, Berlín, Alemania.

"Acyl-CoA synthetase 4 are dependent on proteasome activity and modulate mitochondrial metabolism regulatory protein expression in breast cancer cells". Yanina Benzo, Melina Dattilo, Katia Helfenberger, Lucía Herrera, **Cecilia Poderoso**, Paula Maloberti. Reunión Conjunta de Sociedades de Biociencias. 13-17 de Noviembre, 2017. Buenos Aires, Argentina.

"Acyl-CoA synthetase 4 inhibition decreases adrenocortical human cell proliferation sustained by Angiotensin II". Katia Helfenberger, Ana Fiore, Lucía Herrera, Yanina Benzo, Paula Maloberti, **Cecilia Poderoso**. Reunión Conjunta de Sociedades de Biociencias. 13-17 de Noviembre, 2017. Buenos Aires, Argentina.

"Angiotensin II stimulation promotes mitochondrial fusion as a novel mechanism involved in protein kinases compartmentalization and cholesterol transport in H295R adrenocortical cells". Helfenberger Katia; Castillo Ana Fernanda, Fiore Ana, Herrera Lucía, **Poderoso Cecilia**. The 18th Adrenal Cortex Conference, Munich, Alemania, 25-27 de Junio 2018.

"Estrogen-related receptor alpha is involved in the regulation of Mitofusin 2 expression in adrenocortical human cells". Katia Helfenberger, Ana Fernanda Castillo, Yanina Benzo, Giuliana Argentino, Paula M Maloberti, **Cecilia Poderoso**. LXIII Reunión Científica Anual de la Sociedad Argentina de Investigación Clínica (SAIC). 14-17 de Noviembre, 2018, Mar del Plata, Argentina.

Regulation of Acyl CoA synthetase 4 (ACSL4) expression by transcriptional and post transcriptional mechanisms in breast cancer cells. Yanina Benzo, Melina Dattilo, Jesica Prada, Katia Helfenberger, Lucia Herrera, **Cecilia Poderoso**, Paula M Maloberti. LXIII Reunión Científica Anual de la Sociedad Argentina de Investigación Clínica (SAIC). 14-17 de Noviembre, 2018, Mar del Plata, Argentina.

PUBLICATIONS

Refereed journals:

1."An ACTH-activated protein tyrosine phosphatase is modulated by PKA-dependent phosphorylation". Paz, C., Cornejo Maciel, M.F., **Poderoso, C.**, Gorostizaga, A. and Podestá, E.J. *Endocr. Res.* (2000), 26: 609-614.

2."LH/chorionic gonadotrophin signaling pathway involves PTP activity downstream of PKA activation: evidence of an obligatory step in steroid production by Leydig cells". Cornejo Maciel, F., **Poderoso, C.**, Gorostizaga, A., Paz, C., Podestá, E.J. *J. Endocrinol.* (2001) 170(2):403-11.

3."The obligatory action of protein tyrosine phosphatases in ACTH-stimulated steroidogenesis is exerted at the level of StAR protein" **Poderoso, C**, Cornejo Maciel, Gorostizaga, A, Bey,P, Paz, C, Podestá E.J. *Endocr. Res.* (2002) 28: 413-417.

4. "Protein Serine/Threonine phosphatase 2A activity is inhibited by cAMP in MA-10 cells". **Cecilia Poderoso**, Cristina Paz, Alejandra Gorostizaga, Fabiana Cornejo Maciel, Carlos F. Mendez and Podestá EJ. *Endocr. Res.* (2002) 28: 319-323.
5. "Adrenocorticotropin induces mitogen-activated protein kinase phosphatase 1 in Y1 mouse adrenocortical tumor cells". Bey P, Gorostizaga A, Maloberti PM, Lozano RC, **Poderoso C**, Maciel FC, Podestá EJ, Paz C. (2003) *Endocrinology*. 144(4):1399-406.
6. "Molecular events triggered by heat shock in Y1 adrenocortical cells". Gorostizaga A, Brion L, Maloberti P, **Poderoso C**, Podesta EJ, Maciel FC, Paz C (2004) *Endocr Res*. 30(4):655-9.
7. "Tyrosine phosphates act on steroidogenesis through the activation of arachidonic acid release". Castillo F, Cano F, Maloberti P, Castilla R, Neuman I, **Poderoso C**, Paz C, Podesta EJ, Maciel FC. (2004) *Endocr Res* 30(4):623-7.
8. "Protein tyrosine phosphatases regulate arachidonic acid release, StAR induction and steroidogenesis acting on a hormone-dependent arachidonic acid-preferring acyl-CoA synthetase." Cano F, **Poderoso C**, Cornejo Maciel F, Castilla R, Maloberti P, Castillo F, Neuman I, Paz C, Podesta EJ. (2006) *J Steroid Biochem Mol Biol*. 99(4-5):197-202.
9. "A mitochondrial kinase complex is essential to mediate an ERK1/2-dependent phosphorylation of a key regulatory protein in steroid biosynthesis". **C. Poderoso**, D. Converso, P. Maloberti, A. Duarte, I. Neuman, S. Galli, F. Cornejo Maciel, C. Paz, MC. Carreras, JJ Poderoso, EJ Podestá. (2008) *PLoS ONE*. 3(1):e1443.
10. "Tumor cell phenotype is sustained by selective MAPK oxidation in mitochondria". Galli S, Antico Arciuch VG, **Poderoso C**, Converso DP, Zhou Q, Bal de Kier Joffé E, Cadenas E, Boczkowski J, Carreras MC, Poderoso JJ. (2008) *PLoS ONE*. 3(6):e2379.
11. "Intramitochondrial arachidonic acid as regulator of two different cellular functions: steroid biosynthesis and tumor cell proliferation". Ana F. Castillo, Rocío Castilla, Alejandra Duarte, Pablo Mele, Ulises Orlando, Cristina Karlés, Isabel Neuman, Hernán Di Cónsoli, **Cecilia Poderoso**, Angela Solano, Carla Finkielstein, Paula Maloberti, Fabiana Cornejo Maciel, Cristina Paz, Ernesto J. Podestá. Review. (2008). *Current Trends in Endocrinology*. 3: 57-75.
12. "The Steroidogenic Acute Regulatory (StAR) protein as target for multiple kinases. Roles of protein phosphorylation on StAR function"
Cecilia Poderoso, Paula Maloberti, Alejandra Duarte, Rocío Castilla, Isabel Neuman, Cristina Paz, Fabiana Cornejo Maciel, Ernesto J. Podesta. Review. (2008). *Current Topic in Steroid Research*. 5: 35-49.
13. "Hormonal activation of a kinase cascade localized at the mitochondria is required for StAR protein activity." **Poderoso C**, Maloberti P, Duarte A, Neuman I, Paz C, Maciel FC, Podesta EJ. (2009) *Mol Cell Endocrinol*. 300(1-2):37-42

14. "Detection of a mitochondrial kinase complex that mediates PKA-MEK-ERK-dependent phosphorylation of mitochondrial proteins involved in the regulation of steroid biosynthesis". C Paz, **C Poderoso**, P Maloberti, F Cornejo Maciel, C Mendez, JJ Poderoso and EJ Podestá. (2009). *Methods in Enzymology*. 457:169-92.
15. "Tyrosine phosphatases as key regulators of StAR induction and cholesterol transport: SHP2 as a potential tyrosine phosphatase involved in steroid synthesis". Mariana Cooke, Pablo Mele, Paula Maloberti, Alejandra Duarte, **Cecilia Poderoso**, Ulises Orlando, Cristina Paz, Fabiana Cornejo Maciel, Ernesto J. Podestá (2011). *Mol Cell Endocrinol*. 336:63-69.
16. "MAP Kinase Phosphatase-1 (MKP-1) expression is up-regulated by hCG/cAMP and modulates steroidogenesis in MA-10 Leydig cells." Laura Brion, Paula M Maloberti, Natalia V Gomez, **Cecilia Poderoso**, Alejandra B Gorostizaga, Maria M Mori Sequeiros Garcia, Andrea B Acquier, Mariana Cooke, Carlos F Mendez, Ernesto J Podesta and Cristina Paz. (2011) *Endocrinology*. 152(7):2665-77.
17. "Mitochondrial fusion is essential for steroid biosynthesis." Duarte A*, **Poderoso C***, Cooke M, Soria G, Cornejo Maciel F, Gottifredi V, Podestá EJ. (*contributed equally) (2012) *PLoS One*. 7(9):e45829.
18. "The spatial and temporal regulation of the hormonal signal. Role of mitochondria in the formation of a protein complex required for the activation of cholesterol transport and steroids synthesis." **Poderoso C**, Duarte A, Cooke M, Orlando U, Gottifredi V, Solano AR, Lemos JR, Podestá EJ. (2013) *Mol Cell Endocrinol* 371(1-2):26-33.
19. "Mitochondrial fusion and ERK activity regulate Steroidogenic Regulatory protein localization in mitochondria". Duarte A, Castillo AF, Podestá EJ, **Poderoso C**. (2014). *PLoS ONE*. 9(6):e100387.
20. "The role of mitochondrial fusion and StAR phosphorylation in the regulation of StAR activity and steroidogenesis." Castillo AF, Orlando U, Helfenberger KE, **Poderoso C**, Podesta EJ. *Mol Cell Endocrinol*. (2015) 15; 408:73-9.
21. "Role of Protein Phosphorylation and Tyrosine Phosphatases in the Adrenal Regulation of Steroid Synthesis and Mitochondrial Function". Cristina Paz, Fabiana Cornejo Maciel, Alejandra Gorostizaga, Ana Fernanda Castillo, M. Mercedes Mori Sequeiros Garcia, Paula Mariana Maloberti, Ulises Daniel Orlando, Pablo G. Mele, **Cecilia Poderoso**, Ernesto J. Podesta. *Front. Endocrinol.-Neuroendocrine Science. Research Topic: ACTH action in the adrenal Cortex: From molecular biology to pathophysiology* (2016), Front Endocrinol (Lausanne). Jun 9;7:60. doi: 10.3389/fendo.2016.00060.
22. "Subcellular distribution of ERK phosphorylation in tyrosine and threonine depends on redox status in murine lung cells". Helfenberger K, Villalba N, Buchholz B, Boveris A, Poderoso JJ, Gelpi RJ, **Poderoso C**. (2018) *PLoS One*. Feb 28;13(2):e0193022. doi: 10.1371/journal.pone.0193022.

23. "The effect of Nitric Oxide on mitochondrial respiration". Juan José Poderoso, Katia E. Helfenberger, **Cecilia Poderoso**. (2019). *Nitric Oxide*. 2019 Jul 1;88:61-72. doi: 10.1016/j.niox.2019.04.005.

24. "Angiotensin II stimulation promotes mitochondrial fusion as a novel mechanism involved in protein kinase compartmentalization and cholesterol transport in human adrenocortical cells". Katia E. Helfenberger, Ana F. Castillo, Pablo G. Mele, Ana Fiore, Lucía Herrera, Paola Finocchietto, Ernesto J. Podestá; **Cecilia Poderoso** (2019). *J Steroid Biochem Mol Biol*. Jun 13;192:105413. doi: 10.1016/j.jsbmb.2019.105413.

Book chapters:

"Mitochondrial dynamics regulates oxidative metabolism in Leydig tumor cells" **Cecilia Poderoso**, Cristina Paz, Katia E. Helfenberger and Ernesto J. Podestá. Capítulo 10: General aspects of oxidative stress. "*Biochemistry of oxidative stress. Physiopathology and clinical aspects*". Editores: Gelpi RJ, Boveris A, Poderoso JJ. Editorial: Springer, New York. Serie "*Advances in Biochemistry in Health and Disease*". ISBN: 978-3-319-45864-9. (2016). <http://www.springer.com/la/book/9783319458649>.

Chapter: "StAR". **Cecilia Poderoso**; Ana F. Castillo, Pablo G. Mele, Paula Maloberti, Ernesto J. Podestá. *Encyclopedia of Signaling Molecules, 2nd Edition*. Editor: Sangdun Choi. Editorial: Springer, New York. Plataforma: Meteor. p: 5161-5169 (2018).