
BIOGRAPHICAL SKETCH

NAME Carlos Stocco	POSITION TITLE Associate Professor		
eRA COMMONS USER NAME cstocco			
EDUCATION/TRAINING <i>Begin with baccalaureate or other initial professional education, such as nursing,</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of San Luis – San Luis – Argentina	BSc Ed	1991	Chemistry Education
University of San Luis – San Luis – Argentina	MS	1993	Biochemistry
University of San Luis – San Luis – Argentina	PhD	1997	Reproductive Endocrinology

A. Positions and Honors.

Positions and Employment

- 1998-2002 Postdoctoral Fellow, Department of Physiology and Biophysics, University of Illinois at Chicago, Chicago, IL.
- 2002-2003 Research Assistant Professor, Department of Physiology and Biophysics, University of Illinois at Chicago, Chicago, IL.
- 2003-2006 Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Science, Yale University, New Haven, CT.
- 2006 Associate Professor, Department of Obstetrics, Gynecology & Reproductive Science, Yale University, New Haven, CT.
- 2006- Associate Professor, Department of Physiology and Biophysics, University of Illinois at Chicago, Chicago, IL.

Professional Memberships

- 1997- Member, Society for Study of Reproduction
- 2004- Member, Endocrine Society

Professional Honors & Recognition

- 2006 Invited speaker, Symposium "Regulation of Corpus Luteum Function: New Players and Old Favorites". Society for the Study of Reproduction 39th Annual Meeting
- 2005 Recipient of a Luminometer Program Award. Turner Design Inc
- 2001 Postdoctoral Fellowship, Ernest Schering Research Foundation
- 2001 Co-Chair of the section, Mechanism of Luteal Regression. 34th Annual Meeting of the Society for the Study of Reproduction
- 2000 John F. Perkins Jr. Memorial Fellowship, The American Physiological Society
- 1999 Postdoctoral Fellowship, National Research Council of Argentina
- 1998 Postdoctoral Fellowship, LALOR Foundation
- 1997 Fellowship for Advanced Studies in Reproduction, Latin-American Program of Training and Research in Human Reproduction (PLACIR), Mexico
- 1996 Basic Research Award, National University of Cuyo, Argentina
- 1994-97 Research Fellowship (Graduate Student), National Research Council of Argentina, Argentina

Review Activities

Grand Reviews

- NIH ICER Study Section ad-hoc member 2009
-

Journal Reviews (ad hoc reviewer)

Reviewer for Biology of Reproduction, Endocrinology, Molecular Endocrinology, Molecular and Cellular Endocrinology, and Reproduction

Editorial Boards

Member of Board of Reviewers *Biology of Reproduction* 2006-present

B- Peer-reviewed Publications

A. Peer-Reviewed Manuscripts

1. Devi S, Shehu A, Halperin J, **Stocco C**, Le J, Seibold A, & Gibori G (2009) Prolactin Signaling through the Short Isoform "PL-1" of the Mouse Receptor Regulates DNA Binding of Specific Transcription Factors, Often with Opposite Effects in Different Reproductive Tissues. *Reproductive Biology and Endocrinology* In Press
 2. Devi YS, Shehu A, **Stocco C**, Halperin J, Le J, Seibold AM, Lahav M, Binart N, Gibori G (2009) Regulation of transcription factors and repression of Sp1 by prolactin signaling through the short isoform of its cognate receptor. *Endocrinology* 150:3327-3335.
 3. **Stocco C** (2008) Aromatase Expression in the Ovary: Hormonal and Molecular Regulation. *Steroids* 73:473-487.
 4. Halperin J, Devi S, Elizur S, **Stocco C**, Shehu A, Rebourcet D, Unterman T, Leslie N, Le J, Binart N and Gibori G (2008) Prolactin Signaling Through the Short Form of Its Receptor Represses FOXO3 and its Target Gene Galt Causing a Severe Ovarian Defect. *Molecular Endocrinology* 22:513-522.
 5. **Stocco C**, Kwintkiewicz J, Cai Z (2007) Identification of regulatory elements in the Cyp19 proximal promoter in rat luteal cells. *Journal of Molecular Endocrinology* 39:211-221.
 6. Kwintkiewicz J, Cai Z & **Stocco C**. (2007) Follicle Stimulating Hormone-Induced Activation of Gata4 Contributes in the Upregulation of Cyp19 Expression in Rat Granulosa Cells. *Molecular Endocrinology* 21:933-947.
 7. Krikun G, Fchatz F, Salafia C, Huang S-T, **Stocco C** & Lockwood C (2007) Thrombin Activation of Endometrial Endothelial Cells. A Possible Role in Intrauterine Growth Restriction. *Thrombosis and Haemostasis* 97:245-253.
 8. Cai Z, Kwintkiewicz J, Young ME, & **Stocco C** (2007) Prostaglandin E2 Increases *cyp19* Expression in Rat Granulosa Cells: Implication of GATA-4. *Molecular and Cellular Endocrinology* 263:181-189
 9. Cai Z & **Stocco C** (2005) Expression and Regulation of Progesterone Membrane Receptors in the Rat Corpus Luteum. *Endocrinology*. 146:5522-5532
 10. Foyouzi N, Cai Z, Sugimoto Y, **Stocco C** (2005) Changes in the Expression of Steroidogenic and Antioxidant Genes in the Mouse Corpus Luteum during Luteolysis. *Biology of Reproduction* 72:1134-1141
 11. Risk M, Shehu A, Mao J, **Stocco C**, Goldsmith LT, Bowen-Shauver JM, Gibori G. (2005) Cloning and characterization of a 5' regulatory region of the PRAP/17 β HSD7 gene. *Endocrinology* 146:2807-2816.
 12. **Stocco C** (2004) In Vivo and In Vitro Inhibition of *cyp19* Gene Expression by Prostaglandin F2 α in Murine Luteal Cells: Implication of GATA-4. *Endocrinology* 145:4957-4966.
 13. Telleria CM, Goyeneche AA, **Stocco C**, Gibori G. (2004) Involvement of Nuclear Factor Kappa B in the Regulation of Rat Luteal Function: Potential Roles as Survival Factor and Inhibitor of 20 α -Hydroxysteroid Dehydrogenase. *J Mol Endocrinol*. 32:365-383.
 14. **Stocco C**, Djiane J & Gibori G. (2003) Prostaglandin F2 α and Prolactin Signaling: PGF2 α -mediated Inhibition of Prolactin Receptor Expression in the Corpus Luteum. *Endocrinology* 144:3301-3305.
 15. Jirawatnotai, S, Moons DS, **Stocco C**, Franks R, Hales D, Gibori G & Kiyokawa H. (2003) The CDK Inhibitors p27Kip1 and p21Cip1 Cooperate to Restrict Proliferative Life Span in Differentiating Ovarian Cells. *Journal of Biological Chemistry* 278:17021-17027.
 16. **Stocco C**, Lau L & Gibori G. (2002) A Calcium/Calmodulin Dependent Activation of ERK1/2 Mediates JunD Phosphorylation and Induction of *nur77* and 20 α -hsd Genes by PGF2 α in Ovarian Cells. *Journal of Biological Chemistry* 277:3293-3302.
-

-
17. **Stocco C**, Calegari E & Gibori G. (2001) Opposite Effect of PRL and PGF2 α on Rat Luteal Gene Expression as Reveled by Rat cDNA Expression Array. *Endocrinology* 142:4158-4161.
 18. **Stocco C**, Chedrese J & Deis R. (2001) Luteal Expression of Cytochrome P450 Side-Chain Cleavage, Steroidogenic Acute Regulatory Protein, 3 β -Hydroxysteroid Dehydrogenase, and 20 α -Hydroxysteroid Dehydrogenase Genes in Late Pregnant Rats: Effect of LH and RU486. *Biology of Reproduction* 65:1114-1119.
 19. **Stocco C**, Zhong L, Sugimoto Y, Ichikawa A, Lau L & Gibori G. (2000) Prostaglandin F2 α Induced Expression of 20 α -Hydroxysteroid Dehydrogenase Involves the Transcription Factor NUR77. *Journal of Biological Chemistry* 275(47):37202-37211.
 20. Johnson M, Diaz H, **Stocco C**, Palomino A, Devoto L & Vega M. (1999) Antisteroidogenic Action of Nitric Oxide on Human Corpus Luteum In Vitro. *Endocrine* 11:31-36.
 21. Telleria C, **Stocco C**, Stati A & Deis R. (1999) Progesterone Receptor is not Required for Progesterone Action in the Rat Corpus Luteum of Pregnancy. *Steroids* 64:760-766.
 22. **Stocco C** & Deis R. (1999) Luteinizing Hormone Inhibits Conversion of Pregnenolone to Progesterone in Luteal Cells from Rats on Day 19 of Pregnancy. *Biology of Reproduction* 60:729-732.
 23. **Stocco C** & Deis R. (1998) Participation of Intraluteal Prostaglandin F2 α and Progesterone Level during LH Induced Luteolysis. *Journal of Endocrinology* 156:253-259.
 24. **Stocco C** & Deis R. (1996) Luteolytic Effect of LH: Inhibition of 3 β -Hydroxysteroid Dehydrogenase/ Δ 5- Δ 4 Isomerase Activity in the Corpus Luteum of Late Pregnant Rats. *Journal of Endocrinology* 150:423-429.
 25. Telleria C, **Stocco C**, Stati A, Rastrilla A, Carrizo D, Aguado L & Deis R. (1995) Dual Regulation of Luteal Progesterone Production by Androstenedione During Spontaneous and RU486-Induced Luteolysis in Pregnant Rats *Journal of Steroid Biochemistry and Molecular Biology* 55:385-393.
 26. Telleria C, **Stocco C** & Deis R. (1995) Luteolytic Action of RU-486 Modulation of Luteal 3 β -Hydroxysteroid Dehydrogenase and 20 α -Hydroxysteroid Dehydrogenase Activities in Late Pregnant Rats. *Journal of Steroid Biochemistry and Molecular Biology* 52:567-573.

B. Invited Chapters

1. **Stocco C**, Telleria C & Gibori G (2007) The Molecular Control of Corpus Luteum Formation, Function and Regression. *Endocrine Review* 28:117-149.
2. **Stocco C** (2008) Hormonal and Molecular Regulation of the Cytochrome P450 Aromatase Gene Expression in the Ovary. In "The Molecules of Reproduction: An Introduction to Molecular Reproductive Biology" Chedrese J ed. Springer, New York, NY.
3. **Stocco C** (2008) The Molecular Control of Corpus Luteum Function. In "The Molecules of Reproduction: An Introduction to Molecular Reproductive Biology" Chedrese J ed. Springer, New York, NY.

C. Grant Support

Ongoing Research Support

R01 HD057110 (Stocco) 02/01/09 – 01/31/14

NIH/NICHD

Molecular Pathways Controlling Ovarian Gene Expression

The aim of this project is to determine the function of the transcription factors GATA4 and GATA6 in the ovary.

Role: PI

Completed Research Support

R03 HD047427 (Stocco) 03/01/05 - 02/28/08

NIH/NICHD

Regulation of Estradiol Production by PGF2 α

This project investigates the mechanisms regulating the expression of *Cyp19* in rat luteal cells.

Role: PI
