

Simposio Internacional: Las enfermedades parasitarias en la era post genoma
International Symposium: The parasitic diseases at the post genome era

Madrid, 23 y 24 de abril de 2013
Madrid, April 23-24, 2013

Carlos Alberto Robello Porto

DEGREES

Master (MSc) in Cellular and Molecular Biology. Faculty of Sciences. Montevideo, Uruguay, 1994.

Ph.D. in Biochemistry and Molecular Biology Universidad de Granada/Instituto de Parasitología y Biomedicina, Granada, SPAIN, 1998.

PRESENT POSITIONS

- Head of the Molecular Biology Unit- Institut Pasteur de Montevideo
- Responsible for the Functional Genomics Core Facility- Institut Pasteur de Montevideo
- Professor, Department of Biochemistry, Faculty of Medicine.
- Principal Investigator- National Research System -Uruguay

PUBLICATIONS (Last Five Years)

1 Greif G, de Leon MP, Lamolle G, Rodriguez M, Piñeyro D, Tavares-Marques LM, Reyna-Bello A, Robello C, Valin FA. (2013) Transcriptome analysis of the bloodstream stage from the parasite *Trypanosoma vivax*. BMC Genomics. 2013 Mar 5;14(1):149

2- Gadelha FR, Gonçalves CC, Mattos EC, Alves MJ, Piñeyro MD, Robello C, Peloso EF. (2013) Release of the cytosolic trypanothione peroxidase into the incubation medium and a different profile of cytosolic and mitochondrial peroxiredoxin expression in H₂O₂-treated *Trypanosoma cruzi* tissue culture-derived trypomastigotes. Exp Parasitol. 133(3):287-93.

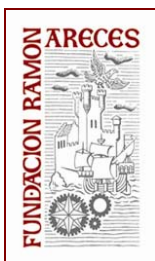
3- Michelini FM, Zorrilla P, Robello C, Alché LE. (2013) Immunomodulatory activity of an anti-HSV-1 synthetic stigmastane analog. Bioorg Med Chem. Jan 15;21(2):560-8.

4- Greif G, Coitinho C, Rivas C, van Ingen J, Robello C. Molecular analysis of isoniazid-resistant *Mycobacterium tuberculosis* isolates in Uruguay. (2012) Int J Tuberc Lung Dis. 16(7):947-9.

5- García G, Libisch G, Trujillo-Cenóz O, Robello C, Russo RE (2012) Modulation of gene expression during early stages of reconnection of the turtle spinal cord. J Neurochem. 121(6):996-1006.

6- Peloso EF, Gonçalves CC, Silva TM, Ribeiro LH, Piñeyro MD, Robello C, Gadelha FR. (2012) Trypanothione peroxidases and superoxide dismutases expression as well as ROS release are related to *Trypanosoma cruzi* epimastigotes growth phases. Arch Biochem Biophys. 520 (2):117-122.

- 7- Gascue C, Tan PL, Cardenas-Rodriguez M, Libisch G, Fernandez-Calero T, Liu YP, Astrada S, Robello C, Naya H, Katsanis N, Badano JL.**(2012) Direct role of Bardet-Biedl syndrome proteins in transcriptional regulation. J Cell Sci. 125(Pt 2):362-375.
- 8- Peñagaricano F, Zorrilla P, Naya H, Robello C, Urioste JI.** (2012) Gene expression analysis identifies new candidate genes associated with the development of black skin spots in Corriedale sheep. J Appl Genet. 53(1):99-106.
- 9- Piñeyro MD, Parodi-Talice A, Portela M, Arias DG, Guerrero SA, Robello C.** Molecular characterization and interactome analysis of Trypanosoma cruzi Tryparedoxin 1 (2011) J Proteomics 24;74(9):1683-92
- 10- de Figueiredo Peloso E, Vitor SC, Ribeiro LH, Piñeyro MD, Robello C, Gadelha FR** (2011)
 Role of Trypanosoma cruzi peroxiredoxins in mitochondrial bioenergetics J Bioenerg Biomembr. 43(4):419-24
- 11- Piñeyro MD, Arcari T, Robello C, Radi R, Trujillo M.** (2010)
 Tryparedoxin peroxidases from Trypanosoma cruzi: High efficiency in the catalytic elimination of hydrogen peroxide and peroxynitrite. Arch Biochem Biophys. ;507(2):287-95
- 12- Schijman AG, Bisio M, Orellana L, Sued M, Duffy T, Mejia Jaramillo AM, Cura C, Auter F, Veron V, Qvarnstrom Y, Deborggraeve S, Hajar G, Zulantay I, Lucero RH, Velazquez E, Tellez T, Sanchez Leon Z, Galvão L, Nolder D, Monje Rumi M, Levi JE, Ramirez JD, Zorrilla P, Flores M, Jercic MI, Crisante G, Añez N, De Castro AM, Gonzalez CI, Acosta Viana K, Yachelini P, Torrico F, Robello C, Diosque P, Triana Chavez O, Aznar C, Russomando G, Büscher P, Assal A, Guhl F, Sosa Estani S, Dasilva A, Britto C, Luquetti A, Ladzins J.** (2011)
 International Study to Evaluate PCR Methods for Detection of Trypanosoma cruzi DNA in Blood Samples from Chagas Disease Patients. PLoS Negl Trop Dis. 11;5(1):e931.
- 13- Jean-Claude Dujardin, Socrates Herrera, Virgilio do Rosario, Jorge Arevalo, Marleen Boelaert, Hernan J. Carrasco, Rodrigo Correa-Oliveira, Lineth Garcia, Eduardo Gotuzzo, Theresa W. Gyorkos, Alexis M. Kalergis, Gustavo Kouri, Vicente Larraga, Pascal Lutumba, Maria Angeles Macias Garcia, Pablo C. Manrique-Saide, Farrokh Modabber, Alberto Nieto, Gerd Pluschke, Carlos Robello, Antonieta Rojas de Arias, Martin Rumbo, Jose Ignacio Santos Preciado, Shyam Sundar, Jaime Torres, Faustino Torrico, Patrick Van der Stuyft, Kathleen Victoir, Ole F. Olesen** (2011) Research Priorities for Neglected Infectious Diseases in Latin America and the Caribbean Region. PLoS Negl Trop Dis.
- 14- Garcia Silva MR, Tosar JP, Frugier M, Pantano S, Bonilla B, Esteban L, Serra E, Rovira C, Robello C, Cayota A.** (2010) Cloning, characterization and subcellular localization of a Trypanosoma cruzi argonaute protein defining a new subfamily distinctive of trypanosomatids. Gene 15;466(1-2):26-35.



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- 15- Marquez VE, Arias DG, Piattoni CV, Robello C, Iglesias AA, Guerrero SA (2010)** Cloning, expression and characterization of a dithiol glutaredoxin from *Trypanosoma cruzi*. *Antioxidants & Redox Signaling*, 12 (6) 787-792
- 16- Nogueira FB, Ruiz JC, Robello C, Romanha AJ, Murta SM (2009)** Molecular characterization of cytosolic and mitochondrial trypanothione peroxidase in *Trypanosoma cruzi* populations susceptible and resistant to benznidazole. *Parasitol Res.* 104(4):835-844
- 17- Andrea Medeiros, María Laura Chiribao, Luis Ubillos, María Florencia Festari, Jenny Saldaña, Carlos Robello, Laura Domínguez, Juan José Calvete and Eduardo Osinaga (2008)** Mucin-type O-glycosylation in *Mesocricetus auratus* (syn. *corti*)-Int. J. *Parasitol* 38 (3-4): 265-276
- 18- Piñeyro MD, Parodi-Talice A, Arcari T, Robello C. (2008)** Peroxiredoxins from *Trypanosoma cruzi*: Virulence factors and drug targets for treatment of Chagas disease? *Gene*. 31;408 (1-2):45-50
- 19- Marton S, Garcia MR, Robello C, Persson H, Trajtenberg F, Pritsch O, Rovira C, Naya H, Dighiero G, Cayota A. (2008)** Small RNAs analysis in CLL reveals a deregulation of miRNA expression and novel miRNA candidates of putative relevance in CLL pathogenesis. *Leukemia*. 22 (2):330-338
- 20- Parodi-Talice A, Monteiro-Goes V, Arrambide N, Avila AR, Duran R, Correa A, Dallagiovanna B, Cayota A, Krieger M, Goldenberg S, Robello C. (2007)** Proteomic analysis of metacyclic trypomastigotes undergoing *Trypanosoma cruzi* metacyclogenesis. *J Mass Spectrom.* 42(11):1422-32.
- 21- Pérez-Díaz L, Duhagon MA, Smircich P, Sotelo-Silveira J, Robello C, Krieger MA, Goldenberg S, Williams N, Dallagiovanna B, Garat B. (2007)** *Trypanosoma cruzi*: Molecular characterization of an RNA binding protein differentially expressed in the parasite life cycle. *Exp Parasitol.* 117: 99-105

V. PATENTS

“Methods for preparing human thrombopoietin polypeptides by mammalian cell cultures”. Applicants: Cayota, A.; **Robello, C.**; Pritsch, O.

International Application under the Patent Cooperation Treaty (PCT) and the World Intellectual Property Organization (WIPO) International Application published on August 2001 (International Publication Number: WO 02/18569; PCT/IB01/01518).