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Título Profesional o Grado Académico (incluya el año de obtención):

- **BIOQUÍMICO, UNIVERSIDAD DE CHILE, 1966**
 - **PH.D., WAYNE STATE UNIVERSITY, DETROIT, USA, 1973**
-

Estudios de Postgrado o Especialización (institución donde lo obtuvo y año de obtención):

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Actividad Actual e Institución en la cual trabaja:

- **PROFESOR TITULAR DE LA UNIVERSIDAD DE CHILE. DEPARTAMENTO DE BIOLOGÍA, FACULTAD DE CIENCIAS.**
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Reseña de su actividad laboral actual:

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| <ul style="list-style-type: none">• Papel de las Células Dendríticas en la regulación del balance entre inmunidad y tolerancia. Regulación epigenética• Generación de linfocitos reguladores y su uso en trasplante de órganos• Estudios del sistema inmune del salmón |
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- Lista de publicaciones indexadas en los últimos 10 años (indique índice: ISI, Scielo u otra).

PUBLICACIONES INDEXADAS: ULTIMOS 10 AÑOS

C. Doñas, M. Fritz, V. Manríquez, G. Tejón, M.R. Bono, M.A. Loyola and M. Roseblatt. "Trichostatin A promotes the generation and suppressive functions of regulatory T cells". *Clinical and Developmental Immunology*, Vol 2013, Article ID 679804, 8 pages, 2013. doi.org/10.1155/2013/679804.

PAULINA RUIZ, PAULA MALDONADO, YESSIA HIDALGO, ALEJANDRA GLEISNER, DANIELA SAUMA, JUAN JOSE SAEZ, SARAH NUÑEZ, MARIO ROSEMBLATT AND M. BONO. Transplant Tolerance: New Insights and Strategies for Long-Term Allograft Acceptance. *Clinical and Developmental Immunology*. (2013) Open Access Article. ID 210506

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BONO, ALEJANDRA LOYOLA AND MARIO ROSEMBLATT. Trichostatin A promotes the generation and suppressive functions of regulatory T cells. *Clinical and Developmental Immunology* Accepted April (2013) Open Access Article. ID 679804

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JAIME DE CALISTO, EDUARDO J. VILLABLANCA, SEN WANG, MARIA R. BONO, MARIO ROSEMBLATT & J. RODRIGO MORA. T cell homing to the gut mucosa: General concepts and methodological considerations. In: *Integrin And Cell Adhesion Molecules: Methods And Protocols Series*. 757; 166-189 (2012)

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C. MOORE, D. SAUMA, P. REYES, J. MORALES, M. ROSEMBLATT, M.R. BONO AND J.A. FIERRO. Dendritic Cells and B Cells Cooperate in the Generation of CD4+CD25+Foxp3+ Allogeneic T Cells. *Transplat. Proc.* 42; 371-5 (2010)

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PROYECTOS DE INVESTIGACIÓN: (últimos 10 años)

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MODULACIÓN DEL HOMING EN EL SISTEMA INMUNE – FONDECYT, 4 AÑOS. 2006

REPROGRAMMING OF REGULATORY T CELLS IN GUT IMMUNITY – FONDECYT, 4 AÑOS. 2010

DESARROLLO DE UN MÉTODO INMUNOLÓGICO MEJORADO PARA EL SEXAJE DE SEMEN DE GANADO VACUNO – FONDEF, 3 AÑOS. 2009

PROYECTO DE FINANCIAMIENTO BASAL – CONICYT, 10 AÑOS. 2008

ACTUALIZACIÓN, MAYO 2014