



VIII INTERNATIONAL SYMPOSIUM  
**SCIENCE & FRIENDSHIP VIII:  
THE NORTH MEETS THE SOUTH**

November 5<sup>th</sup> and 6<sup>th</sup>, 2012  
Auditorium Enrique Méndez C., Fundación Ciencia & Vida  
Zañartu 1482, Santiago

**PROGRAM MONDAY NOVEMBER 5<sup>TH</sup>**

- |  |   |   |
|--|---|---|
| 9:00   | Welcome   | Sebastián Bernales &<br>Emma McCullagh          |
| 9:15   | “R&D and entrepreneurial activities at the:<br>host institution Fundación Ciencia & Vida”             | Pablo Valenzuela                                |
| 10:00  | “The zebrafish as a discovery model for molecules<br>that affect cell migration and regeneration”     | Miguel Allende                                  |
| 11:00  | Coffee break and set up of posters  |   |
| 11:30  | Poster session (1 <sup>st</sup> half of posters)  | Coordinators: Emma McCullagh<br>& Hugo Uribe    |
| Judges: Geeta Narlikar, Lewis Lanier and Wallace Marshall (Chilean posters)<br>& Jennifer Alfaro, Mario Roseblatt, and Alejandra Loyola (UCSF posters) |   |   |
| 13:00  | Lunch   |   |
| 15:00  | “Natural killer cells in viral immunity”  | Lewis Lanier                                    |
| 16:00  | Student talks<br>(20 min talks + 5 min for questions)   | Chair: Emma McCullagh &<br>Nicole Halçartégaray |
| 16:00  | “Toll-like receptor 5 stimulation in the lungs<br>leads to type 2 immunity”                           | Linda Lee                                       |
| 16:30  | “Role of dopamine receptor D3 expressed on CD4+<br>T cells in the development of Parkinson´s Disease” | Hugo González                                   |
| 17:00  | Coffee break  |   |
| 17:30  | “Organelle size control”  | Wallace Marshall                                |

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LIST OF POSTER PRESENTATIONS

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Fernando Abarca	De novo modeling and replica exchange molecular dynamics simulation of the lipoprotein Licanantase of <i>Acidithiobacillus thiooxidans</i> DSM 17318	1
Rodrigo Acuña	Self-assembly of hantavirus Andes glycoproteins into virus-like particles	2
Francisca Álvarez	The cytosolic H3K9me1 modification occurs during the synthesis of the histone	3
Camila Baerwald	Characterization of a hexose transporter in <i>Botrytis cinerea</i>	4
Brittany Belin	Distribution and dynamics of actin in mammalian somatic nuclei	5
Gonzalo Barriga	Inhibition of the entry of hantavirus to the cell	6
Juan P. Cárdenas	Niche specific oxidative stress response in extreme acidophiles	7
Nicolás Cifuentes	Non-coding mitochondrial RNAs (ncmtRNAs) as a potential target to selectively induce death of cells infected with Influenza A virus (IAV)	8
Francisco Contreras	Stimulation of dopamine receptor D3 expressed on CD4 <sup>+</sup> T-cells favors Th1 immunity	9
Colin Dinsmore	Endothelial Primary Cilia restrict Cardiovascular Disease	10
Natalia Crisóstomo	Altered expression of SLAM family receptors and their adaptor proteins in lupus-prone mice	11
Komal Dadlani	Noncoding mitochondrial RNAs as targets for early detection of cervical cancer	12
Calixto Domínguez	Discovery and assessment of novel Dpp/Mad target genes and their enhancers in the early <i>D. melanogaster</i> embryo	13
David Gorczyca	The contribution of ENaC/Degenerin channels to proprioception	14
Cristian Doñas	Effect of 5'-methylthioadenosine on CD4 <sup>+</sup> T cell differentiation towards Treg and Th17 cells	15
Francisco Duarte	Mechanisms for the Stabilization of K <sup>+</sup> Channel Loops Exposed to Extremely Low pH (<pH1)	16
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Shawon Gupta	Hantavirus-infection confers resistance to cytotoxic lymphocyte-mediated apoptosis	32
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**PROGRAM TUESDAY NOVEMBER 6<sup>TH</sup>**

9:00	Welcome & Agenda	Sebastián Bernales & Emma McCullagh
9:15	“The Dark side of transcription: what happens when you turn off the lights”	Luis Larrondo
10:15	“Dendritic cells and autoimmunity”	María Rosa Bono
11:15	Coffee break and set up of posters	
11:30	Poster session (2 <sup>nd</sup> half of posters)	Coordinators: Emma McCullagh & Hugo Uribe
Judges: Geeta Narlikar, Lewis Lanier and Wallace Marshall (Chile posters) & Jennifer Alfaro, Mario Roseblatt, and Alejandra Loyola (UCSF posters)		
13:00	Lunch	
15:00	Student talks (20 min talks + 5 min for questions)	Chair: Emma McCullagh & Nicole Halcartégaray
15:00	“Chromatin changes associated with the differentiation of Treg and Th17 cells”	Macarena Fritz
15:30	“Arc localization to the nucleus regulates synaptic strength”	Erica Korb
16:00	Coffee break	
16:30	“Mechanisms of heterochromatin assembly”	Geeta Narlikar
17:30	Awards and thank you	
18:00	Happy hour	Everybody

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