



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

November 30th and December 1st, 2009
Auditorium 4th Floor, Building A, Fundación Ciencia para la Vida
Zañartu 1482, Santiago

PROGRAM MONDAY NOVEMBER 30TH

9:00	Welcome and introduction to our Science and Business Park	Pablo Valenzuela
9:30	“How molecular motors work”	Ron Vale
10:20	Coffee Break	
10:45	“Why do we study histone post-translational modifications”	Alejandra Loyola
11:30	Set up of posters	
12:00	Poster session	
1:30	Lunch	
15:00	Student talk (UCSF #1) “How the Anaphase Promoting Complex (APC) builds ubiquitin chains”	Mónica Rodrigo
15:30	Student talk (Local #1) “Regulatory T-cells in organ transplant: Can we avoid the use of immunosuppressants”	Carolina Moore.
16:00	Coffee break	
16:30	“UCSF prostate cancer research program”	Marc Shuman
17:30	“Epigenetic regulation during lineage commitment”	Martin Montecino



INTERNATIONAL MEETING

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LIST OF ORAL & POSTER PRESENTATIONS
UCSF

MONDAY NOVEMBER 30th, 2009

First author	Title	Nº
Christopher Brown	Design and utilization of modular activity-based probes for the detection serine proteases in cancer.	1
Christopher Cain	Functional analysis of a novel and conserved regulator of fungal morphogenesis.	2
Georgette Charles	Investigating how acetylation regulates the RSC Chromatin Remodeling Complex.	3
Benjamín Engel	Intraflagellar transport particle size scales inversely with flagellar length: Revisiting the Balance-Point length control model.	4
Daniel García	p53 is spontaneously active in tissues in vivo in the absence of MDMX but, unlike absence of MDM2, this is not lethal.	5
Ian Harwood	Metagenomic approaches to viral discovery.	11
Alana Lerner	Thioredoxin interacting protein is a novel ER stress target that mediates apoptosis in pancreatic beta-cells.	12
Han Li	The Ste 5 scaffold catalytically regulates phosphorylation of the MAPK Fus3 by the MAPKK Ste7.	13
Arthur Millius	Neutrophils establish rapid and robust WAVE complex polarity in an Actin-dependent fashion.	14
Annabelle Singer	Reward outcomes enhance reactivation of experience in the hippocampus.	15



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LIST OF ORAL & POSTER PRESENTATIONS
MIFAB INSTITUTE & OTHER LOCALS

MONDAY NOVEMBER 30th, 2009

First author	Title	Nº
Armando Azúa-Bustos	Atacama Desert Caves as Analog Models of Habitability for Microbial Life on the Surface of Mars.	6
Francisco Duarte	Multigenome Analysis of Proteins from Extremely Acidic Environments.	7
Paula Escobar	Grapevine viruses in Chile: Multi-parallel detection based on metagenomic strategies.	8
Cecilia Gamboa	Isolation and characterization of vacuolar pumps involved in <i>Eucalyptus globulus</i> abiotic stress tolerance.	9
Roddy Jorquera	Eukaryotic Intronless Genes (InGs).	10
Leidy Lagos	Highly phagocytic cells from <i>Salmo salar</i> , CD83 ⁺ /MHC II ⁺ indicate a cell type similar to mammalian dendritic cells (DCs).	16
Eduardo Landerer	Extra-mitochondrial localization of the mitochondrial ncRNAs.	17
Francisco Ossandón	High Throughput, Multigenome Analysis Using the AlterORF Bioinformatics Pipeline Reveals Both Rampant Mis-annotation and Novel Gene Discovery.	18
Paz Reyes	Lymphoid Microenvironment Affects Development Of Systemic Lupus Erythematosus	19
Alexis Rivas	Use of FISH as a non invasive diagnostic method of bladder cancer, based on the detection of the differential expression of non-coding mitochondrial RNAs.	20
Amir Shmaryahu	High Throughput Prediction of Small Regulatory RNAs (srRNAs) in Acidophilic Bacteria.	21
Jorge Valdés	Assessing Regulon Diversity in the Acidithiobacillus Genus by Comparative Genomics.	22
Soledad Vidaurre	Knock-Down of Non-coding Mitochondrial RNAs (ncmtRNAs) Induces Death of Tumor Cells.	23



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PROGRAM TUESDAY DECEMBER 1ST

9:00	Welcome	Sebastian Bernales
9:05	“An unexpected Life in Science”	Mike Bishop
9:55	Coffe Break	
10:15	iBioSeminars: Bringing the world best biology to you”	Karen Dell
10:35	“Role of neurotransmitters in the regulation of the immune response”	Rodrigo Pacheco
11:20	Set up of posters	
11:45	Poster session	
13:15	Lunch	
15:00	Student talks (Local # 2) Evolution of New Genes by Alternate Open Reading Frame (ORF) Capture	Felipe Veloso
15:30	Student talks UCSF #2 “Following factorial handoff of Hg ⁺² for processing and detoxification”	Ian Hardwood.
16:00	Coffee break	
16:30	“Insights into the Hantavirus-host cell fusion”	Nicole Tischler
17:15	“The Unfolded Protein Response in Health and Disease”	Peter Walter



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LIST OF ORAL & POSTER PRESENTATIONS
UCSF
TUESDAY DECEMBER 1st, 2009

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Karin Buser	Mechanisms of chromatin remodeling in transcriptional activation and repression by the glucocorticoid receptor.	24
Matthew Caywood	Functional maps of cat visual area 21 ^a reveal a role in processing spatial vision	25
Sarah Goodwin	Patronus, a novel microtubule-associated protein, is an essential organizer of the microtubule cytoskeleton in <i>Drosophila</i> S2 cells.	26
Jesse Lyons	MC1R and CAMP signalling inhibit cause delayed G2/M progression in melanoma cell lines.	27
Philip Merksamer	Lighting up the stressed ER with redox-responsive reporters.	33
Mari Nishino	Identifying kinases in <i>Trypanosomas brucei</i> as racional targets for chemotherapy.	34
Manisha Ray	Developing small molecule activity based probes to identify and study serine proteases in complex mixtures.	35
Kate Rosebluth	Ultra-High field MRI of neurological disorders.	36
Paul Temkin	The retromer is a multi-destination sorting platform that recycles beta-2 adrenergic receptors to the plasma membrane.	37
Lisa Watson	Binding sequence modulates glucocorticoid receptor conformation and dynamics.	38



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 LIST OF ORAL & POSTER PRESENTATIONS
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First author	Title	N°
Consuelo Bruno	<i>Nicotiana benthamiana</i> plants expressing viral small interfering RNA show differential resistance level against GFLV	28
J. Pablo Cárdenas	Comparative Genomics of Facultative and Obligate Autotrophic Bacteria: Key Differences in Calvin Cycle Regulation and Other Aspects of Autotrophy.	29
Nicolás Cifuentes-Muñoz	Essential residues within the fusion peptide of the Andes virus Gc protein.	30
Javiera Echeñique	Use of antisense ODNs against the non-coding mitochondrial RNAs in mouse myeloma cells; an approximation to cancer therapy.	31
Marisol Morales	Modulation of the UPR by small molecules and its effects on normal and tumor cells survival.	32
Ignacio Muñoz-León	Characterization of the Hantavirus Gc stem region.	39
Hector Osorio	Gene and Operon Predictions for Anaerobic Energy Metabolism in the Bacteria <i>Acidithiobacillus ferrooxidans</i> .	40
Carolina Prado	Dopamine facilitates inflammatory function of dendritic cells by stimulating the D5 receptor.	41
Gonzalo Riadi	Population Frequency of MHC Class I Alleles Affects HIV Sensitivity.	42
Susana Rasmussen	Study of the ICE1 Transcription Factor of <i>Eucalyptus globulus</i> under stressful conditions.	43
Cristian Silva	Mechanisms for Acquired Resistance Against Foreign DNA in Acidophilic bacteria.	44
Catalina Urrejola	Identification and expression of gene silencing machinery in <i>Botrytis cinerea</i> .	45
Manuel Varas	Lentivirus mediated shRNA interference targeting noncoding mitochondrial RNA induces death cell in tumor cells	46
Elías Barriga	In vivo regulation of Sna1b by Hif-1a during zebrafish neural crest cells migrations.	47
Juan Ulloa	Regulation of Hif-1 α by Hdac9 during the cardiogenesis of zebrafish (<i>Danio rerio</i>).	48