



INTERNATIONAL SYMPOSIUM

**SCIENCE & FRIENDSHIP:
THE NORTH MEETS THE SOUTH**



October 8th and 9th, 2005
Auditorium Enrique Méndez C., Fundación Ciencia para la Vida
Zañartu 1482, Santiago

Program October 8th

9:00	Introduction. Welcome to all “Science and Economic Development: The challenge in Chile”	Pablo Valenzuela
10:00	“Principles of Cell Organization”	Peter Walter
11:00	Coffee break and set up of Posters	
11:30	Poster session (half of posters) and lunch	
14:30	Student talks (Three 20 min + 5 min for questions) Chilean student	Chilean student
	Actin-based motility: mechanism and biochemistry of symmetry breaking	Orkun Akin
	Chilean student	Chilean student
16:00	Coffee break	
16:30	“Novel mitochondrial RNAs: Potential targets for diagnostics And therapy of cancer”	Luis Burzio



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Program October 9th

9:00	Welcome	Pablo Valenzuela
9:15		Nibaldo Inestrosa
10:15	Coffee break and set up of Posters	
10:45	Poster session (half of posters) and lunch	
14:30	Student talks (Three 20 min + 5 min for questions) Cell biology and fibrillar aggregates propagation in yeast	Tip Kipton
	Hantavirus GC glycoprotein: Evidence for a class II fusion protein	Nicole Tischler
	Histone variant H2AZ is selectively enriched at gene promoter regions through enrichment independent of active transcriptions	Ryan M. Raisner
15:00	“Cellular machines for transcription regulation”	Keith Yamamoto
16:00	Coffee break	
16:30	“The joy of science and how they led me to science policy”	Bruce Alberts

INTERNATIONAL MEETING

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LIST OF ORAL & POSTER PRESENTATIONS
UCSF

Name	Title	Laboratory /Advisor
Orkun Akin	Actin-based motility: Mechanism and biochemistry of symmetry breaking.	Mullins
Shannon Behrman	Post-transcriptional regulation of XBP1.	Walter
Sebastián Bernales	ER proliferation and control during the UPR.	Walter
Justin Blethrow	Elucidation of kinase signaling pathways through parallel, chemospecific purification of sets of kinase targets from cell extracts.	Shokat
Alex Engel	Prm1p and Ca ²⁺ promote cell-cell fusion over lysis in yeast mating.	Walter
Dave Galgoczy	Genomic dissection of the cell-type-specification circuit in <i>Saccharomyces cerevisiae</i> .	Johnson
Takeshi Irie	Transcriptional regulatory motifs of the <i>Plasmodium</i> intra-erythrocytic life cycle.	DeRisi
Julia Kardon	Functional diversity of the cytoplasmic dynein complex.	Vale
Brian Kelch	Sidechain distortion: A novel mechanism for modulating protein energetics.	Agard
Sarah Kotowski	Post-endocytic trafficking of the D ¹ dopamine receptor.	von Zastrow
Florian Merkle	Subventricular zone neural stem cells spatially heterogeneous.	Alvarez-Buylla
Ryan Raisner	Histone variant H2A.Z is selectively enriched at gene promoter regions throughout euchromatin independently of active transcription.	Madhani
Michael Reese	Investigation of the binding mode of MAP1a	Dötsch/Bro

	with the guanylate kinase domain of PSD-95 reveals a new recognition motif.	dsky
Mónica Rodrigo-Brenni	Molecular analysis of a key regulator of cell cycle progression.	Morgan
David Rosen	Human natural killer cell regulation & ligand recognition.	Lanier
Claudia Rubio	Evaluating the role of tRNA ligase in HAC1 splicing.	Walter
Dave Savage	The structural basis of proton exclusion in aquaporins.	Stroud
Terry Shock	Understanding the fidelity of stress activated MAP kinase signaling.	Madhani
Kim Tipton	Cell biology of fibrillar aggregate propagation in yeast.	Weissman
Greg Tully	Function of the anaphase promoting complex in cytokinesis.	Morgan
Erika Woodbury	Fin1 is a novel spindle-stabilizing protein that is regulated by Cdk1 phosphorylation.	Morgan
Katie Worringer	RNAi identifies a new protein involved in <i>Drosophila</i> dosage compensation.	Panning

INTERNATIONAL MEETING



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LIST OF ORAL & POSTER PRESENTATIONS
MIFAB INSTITUTE

Name	Title	Laboratory /Advisor
Alejandro Amoroso	Effect of oxidants on the expression of ligninolytic genes in <i>Cerporiopsis subvermispora</i> .	Rafael Vicuña
Sonja Buvinic	P2Y1 nucleotide-receptors increase cell proliferation trans-activating the EGF receptors.	Alfonso González
Claudio Cabello-Verrugio	A novel regulatory mechanism of TGF β signalling by decorin and LDL-receptor associated protein (LRP).	Enrique Brandan
Jorge Cancino	u1 β -mediated exocytic-endocytic connection differentially used by distinct basolateral membrane proteins in polarized epithelial cells.	Alfonso González
Paulo Canessa	Two different ferroxidases in the basidiomycete <i>Phanerochaete chrysosporium</i> .	Rafael Vicuña
Marcela Colombres	In silico analysis of the promoter regions of the Wnt target genes: Identification and classification of novel candidates.	Nibaldo Inestrosa
Iselys Delgado	Myostatin inactivation in Zebra fish (<i>Danio rerio</i>): Double muscle phenotype induction.	Alfredo Molina
Esteban Engel	Grapevine viruses: Genomics and detection by conventional and microarray technologies.	Pablo Valenzuela
Ginny G. Farías	Wnt-7a induced co-localization of $\alpha 7$ nicotinic acetylcholine receptor and APC in pre-synaptic terminals of hippocampal neurons.	Nibaldo Inestrosa
Rodrigo Fuentealba	ApoER2 modulates A β levels and interacts with APP in culture cell lines.	María Paz Marzolo
Karen Fuenzalida	The Bcl-2 anti-apoptotic protein is a novel target gene of	Miguel Bronfman

	Peroxisome Proliferator-Activated Receptor-gamma in PC12 neuronal cells.	
Bertsy Goic	Studies on the replication cycle of the infections salmon anemia virus (ISAV).	Luis Burzio Pablo Valenzuela
Soledad Matus	Autoantibodies associated with lupic psychosis recognize a novel surface protein and induce calcium entry and apoptosis in brain neurons.	Alfonso González
Valeria Mezzano	Skeletal muscle fibrosis in Duchenne muscular dystrophy: Modulation by TGFB and CTGF in mdx mice.	Enrique Brandan
Alvaro Miquel	Isolation and expression of antigen genes of <i>Vibrio ordalii</i> .	Luis Burzio Pablo Valenzuela
Andrés Norambuena	Phosphatidic acid induces exocytosis of inactive EGF receptors.	Alfonso González
Fabiola Osorio	Production of regulatory T cells <i>ex vivo</i> .	Mario Roseblatt
Alexis Parada-Bustamante	Estradiol metabolites regulate ovum transport in cyclic but not in mated rates.	Horacio Croxatto
Tomás Pérez-Acle	EC assignment to protein sequences through statistical calibration of sequence patterns using SEAGA	David Holmes Pablo Valenzuela
Rodrigo Pinto	Macro H ₂ A is a key factor in Zebrafish development: How many genes need to be turned off.	María Ines Vera
Susana Rasmussen	Characterization of a cDNA library of <i>Eucalyptus globulus</i> treated at low temperature.	Erwin Krauskopf Pablo Valenzuela
Daniela Sauma	Modulation of the dendritic cell phenotype by IL-4.	Mario Roseblatt
Evelyn Silva	A comparative genomic analysis of a cDNA library from <i>Botrytis cinerea</i> (grey mold fungus).	Pablo Valenzuela
Alejandro Tapia	Gene expression profiling associated with endometrial receptivity in epithelial and stromal cells.	Horacio Croxatto
Nicole Tischler	Hantavirus Gc glycoprotein: Evidence for a class II fusion protein.	Pablo Valenzuela
Jorge Valdés	Bioinformatic and genomic analysis of the extremophile <i>Acidithiobacillus ferrooxidans</i> .	David Holmes

Lorena Varela-Nallar	Copper induces gene-expression and misfolding of the prior protein in neuronal cells.	Nibaldo Inestrosa
Mary C. Vázquez	App Swedish expression in NZA cells induces neprilisin expression: Possible role of the AICD/FE65/C-ABL Complex.	Nibaldo Inestrosa
Felipe Veloso	A novel method for finding distant functional relationships among proteins.	David Holmes
Cecilia Vial	Participation of CTGF in skeletal muscle fibrosis.	Enrique Brandan
Claudio Villota	Down regulation of antisense chimeric mitochondrial RNA is associated with HPV-induced transformation.	Luis Burzio



INTERNATIONAL SYMPOSIUM

SCIENCE & SCIENCE EDUCATION



Martes 12 de Octubre de 2005. 9 AM
Aula Magna Manuel José Irarrázaval, Pontificia Universidad Católica de Chile
Alameda 340, Santiago

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|-------|--|---|
| 9:00 | Introduction I | Dr. Renato Albertini
Dean, Facultad de Ciencias Biológicas
Pontificia Universidad Católica de Chile |
| 9:10 | Introduction II | Dr. Nivaldo Inestrosa
Professor, Departamento de Biología Celular,
Pontificia Universidad Católica de Chile |
| 9:20 | Dissecting regulatory networks
and seeking regulatory signals:
Lessons and fantasies from
<i>C. elegans</i> | Dr. Keith Yamamoto
Professor and Chairman
Department of Pharmacology
Univ. of California at San Francisco |
| 10:10 | Communication between
Organelles | Dr. Peter Walter
Professor and Chairman, Department
of Biochemistry and Biophysics
Univ. of California at San Francisco |
| 11:00 | Coffee break | |
| 11:30 | Introduction | Dr. Jorge Allende
Professor, Instituto de Ciencias
Biomédicas, Universidad de Chile |
| 11:50 | The Science and Health Education
Partnership: How scientists and
teachers can work together in
support of science education | Dr. Patricia Caldera
Academic Coordinator of “Science
And Health Education Partnership”
(SEP) |
| 12:20 | The Great Challenges of
Science and Science
Education | Dr. Bruce Alberts
Professor Department of Biochemistry
and Biophysics
Univ. of California at San Francisco
Former President US National
Academy of Sciences |