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SYMPOSIUM | IDIOMA: INGLÉS

Honoring Carlos Bustamante at 75, Foundational Contributions to Single- Molecule Biophysical Research in Latin America



FORMATO HÍBRIDO
14 y 15 de octubre 2026
Salón de Actos Mario Caiozzi
Dr. Carlos Lorca Tobar 964,
Independencia, Santiago, Chile

INSCRIPCIONES HASTA 10 DE AGOSTO



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Wednesday, October 14, 2026

16.00 – 16.15 Welcome words (Dean of the Faculty,
organizers)

16.15 – 17.30 Talk “The Development of Single Molecule
Force Spectroscopy”, **Carlos Bustamante**, University of
California, Berkeley

17.30 – 18.00 Coffee break

Afternoon free to visit Santiago

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Thursday, October 15, 2026

9.00 – 9.25 Talk “Tracing routes through intermolecular interaction landscapes at the cell boundary”, **Juan Pablo Castillo**, Universidad de Valparaíso, Chile

9.25 – 9.50 Talk “Deviation on the free energy calculations in optical tweezers experiments with proteins”, **Christian A.M. Wilson**, Universidad de Chile

9.50 – 10.15 Talk “Cofactor-dependent folding mechanism of a topologically complex protein revealed by single-molecule pulling experiments”, **Rodrigo Maillard**, Georgetown University, USA

10.15 – 10.45 Coffee break

10.45 Cultural visit to the Chilean Central Cemetery (very beautiful architecture and historical site)

12.00 – 14.00 Lunch by your own

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Thursday, October 15, 2026

14.00 – 14.25 Talk “The Mystery of the 35Q threshold: A Single-Molecule Answer to Huntington’s Disease Biggest Number”, **Piere Rodríguez**, Stanford University, USA (online)

14.25 – 14.50 Talk “Single-Molecule Analysis of Cold-Induced RNA Misfolding and Chaperone Mechanisms”, **Mauricio Baez**, Universidad de Chile

14.50 – 15.15 Talk “Mechanical signatures of DNA-Ligand binding at the single-molecule Level” **Romina Muñoz**, Universidad Autónoma de Chile

15.15 – 15.45 Coffee break

15.45 – 16.10 Talk “Mechanisms of FACT-Mediated Transcription Through Chromatin” **Francesca Burgos-Bravo**, University of California, Berkeley (online)

16.10 – 16.35 Talk “Single-molecule visualization of genetic and epigenetic inheritance” **Shixin Liu**, Rockefeller University, USA

16.35 – 17.00 Final words **Carlos Bustamante**

Afternoon free to visit Santiago