



Oswaldo Cori Lecture 2017
Octavio Monasterio Opazo
Chilean Biochemistry and Molecular Biology
Society meeting, 2017

Home made capillary electrophoresis



Building our science



Octavio Monasterio

Norberto Guzmán

Picture Nicolás Novoa

Undergraduate studies

Obtained the professional title of **Biochemist (1971)** at the **University of Chile** after studying for five years at University of Concepción.

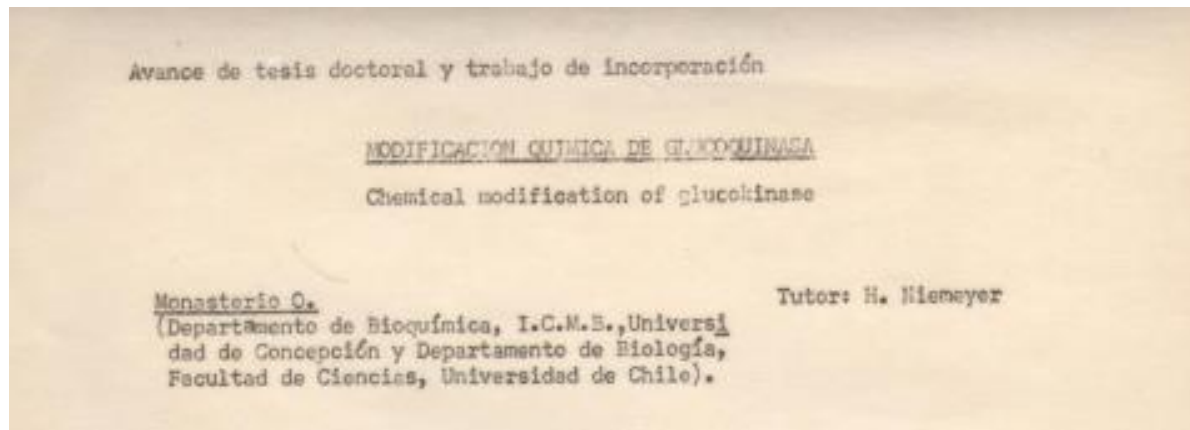
His undergraduate thesis was on initiation of protein translation and was directed by **Dr. Jorge E. Allende**.



Graduate studies

He started his academic carrier at the Department of Biochemistry, University of Concepción (1972) and in 1977 he moved to the Faculty of Medicine, University of Chile, to finally move in 1980 to the Faculty of Sciences, University of Chile where he has been until now.

He obtained his **Doctoral Degree at the University of Chile (1980)** working on the kinetics mechanism of glucokinase under the direction of **Dr. Hermann Niemeyer F.**



First Biochemistry Society Meeting, 1977

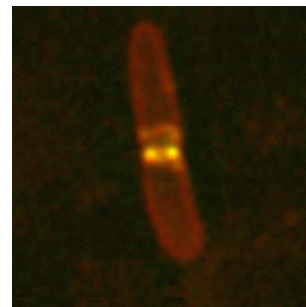


Picture provided by Jorge Babul

From 1980 to 1984 he was a **Research Associate at Brandeis University**, Boston, USA, in the laboratories of Dr. **Sergei Timasheff (Protein Biophysics)** and **Alfred Redfield (Nuclear Magnetic Resonance)**.

From 1986 until now his research was continuously funded by FONDECYT.

His present research is aimed to understand the molecular basis of the relationship between structure and function of tubulins and FtsZ proteins as components of the eukaryotic and prokaryotic cytoskeleton, respectively.



<http://www.bem.uchile.cl/OMO.htm>

Teaching

With other scientists he founded the **first undergraduate career of biotechnology in our country**, called “**Ingeniería en Biotecnología Molecular**”, and more recently the **Molecular Biotechnology PhD** Program at University of Chile.

He has also directed several graduate programs at University of Chile: Biochemistry (1988-1992 and 1996-2000); Molecular and Cellular Biology (1992-1996); Molecular and Cellular Biology, and Neurosciences (1996-2001) and Microbiology (2007-).

He has mentored the thesis of many undergraduate and graduate students that now are doing research in academic and/or applied fields at national and international prestigious institutions.

Society

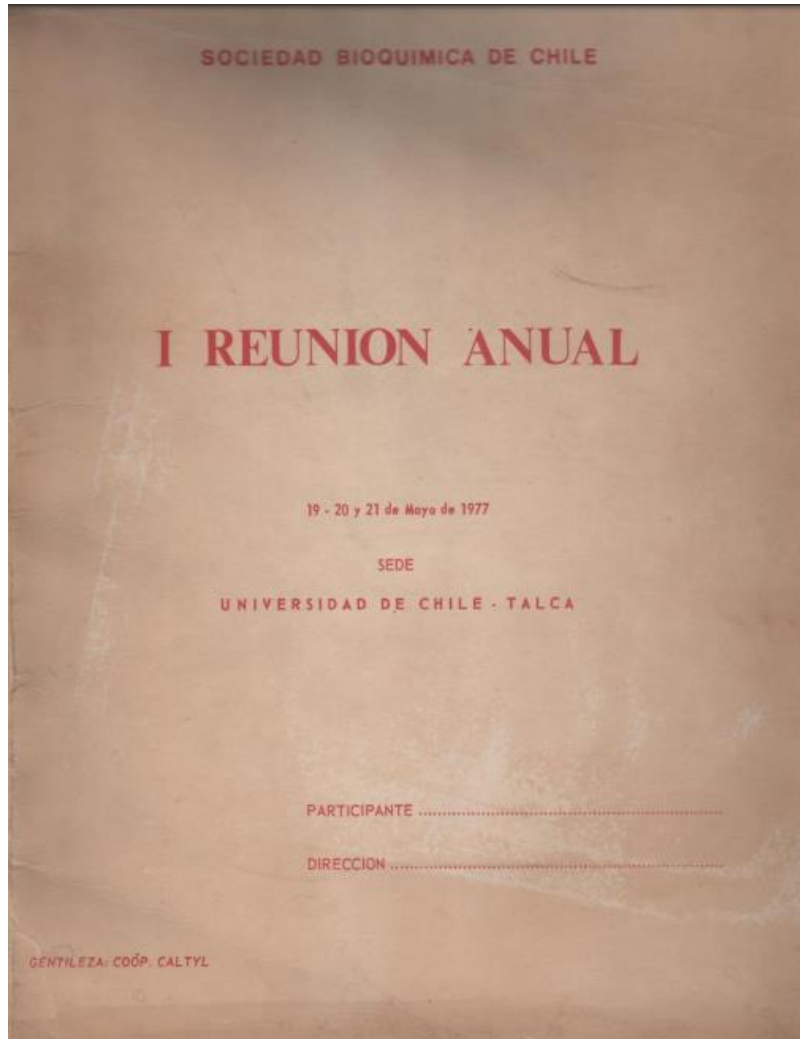
He has been President of the Biochemistry and Molecular Biology Society (1991-1992); Sociedad de Biología de Chile (2005-2006) and the Latin American Protein Society (LAPS) (2010-2013).



XVI Reunión Anual en conjunto con la
Sociedad de Biología Celular
Valdivia, 26-28 agosto de 1993



First meeting and prize



Bacterial division depends on FtsZ GTPase activity as a motor of filaments treadmilling, a conserved evolutionary tubulin family mechanism.

Monasterio O1, Araya G1, Montecinos F2, Diaz C3, Lagos R1,

1Departamento de Biología, Facultad de Ciencias, Universidad De Chile.

2Eunice Kennedy Shriver National Institute of Child Health and Human National Institute of Health.

3Howard Hughes Medical Institute University of California, Berkeley.



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