

**II SIMPOSIO INTERNACIONAL
MEDICINA TRASLACIONAL****XIII Jornadas de Investigación de la
Facultad de Ciencias Médicas****II International Symposium on Translational Medicine****XIII Annual Meeting of Investigation at the Faculty of Medical Sciences.**

The Faculty of Medical Sciences and the Faculty of Exact and Natural Sciences at Universidad Nacional de Cuyo, will join the Faculty of Pharmacology and Biochemistry at Universidad de Buenos Aires and the Faculty of Medicine at Albert-Ludwigs-Universität Freiburg, Germany, to organize the second Symposium on Translational Medicine in the City of Mendoza. This scientific event will be treating excellent topics of investigation in the area of basic sciences and translational medicine in order to create opportunities for cooperation between the participating institutions.

The first Symposium which took place in march 2018 during the International Fair on Higher Education at Universidad Nacional de Cuyo in Mendoza encompassed the presentation of research in the areas of cardiovascular and neurological diseases and cancer.

For this second Symposium, the Faculty of Exact and Natural Sciences at UNCuyo will additionally join the event as a new participant, contributing with investigations in Basic Sciences. Another activity will be the realization of the Annual Meeting of Investigation at the Faculty of Medical Sciences.

Authorities of UNCUYO

Prof. Ing. Agr. Daniel Pizzi- Rector- Universidad Nacional de Cuyo
Prof. Dr. Jorge Barón- Vice Rector- Universidad Nacional de Cuyo
Prof. Dr. Roberto Miatello- Dean of the Faculty of Medical Sciences UNCuyo
Prof. Mtger. Viviana Parra- Vice Dean of the Faculty of Medical Sciences UNCuyo
Prof. Dr. Néstor Ciocco- Dean of the Faculty of Exact and Natural Sciences UNCuyo
Prof. Dr. Mario Del Pópolo- Vice Dean of the Faculty of Exact and Natural Sciences UNCuyo

Organization Committee

Dipl. Soz. Päd. Bärbel Schätzle- Universidad de Freiburg Albert-Ludwigs-Universität Freiburg
Prof. Dra. María Elena Rüttler- Dra. Astrid Schmidt- Faculty of Medical Sciences UNCuyo
Dr. Nicolás Renna- Faculty of Medical Sciences UNCuyo
Prof. Dr. Mario Del Pópolo- Faculty of Exact and Natural Sciences UNCuyo
Prof. Dra. Marta Mollerach- Faculty of Pharmacology and Biochemistry UBA

Scientific Committee

Prof. Dr. Christoph Borner- Faculty of Medicine- Albert-Ludwigs-Universität Freiburg
Dr. Nicolás Renna- Faculty of Medical Sciences UNCuyo
Dra. Astrid Schmidt- Faculty of Medical Sciences UNCuyo
Prof. Dr. Mario Del Pópolo- Faculty of Exact and Natural Sciences UNCuyo



PROGRAM

Thursday, 7th of March

9.00 - 9.15 Opening of the Symposium Authorities of UNCuyo and the other participating Universities

Opening Conference

Moderator: Prof. Dra. María Isabel Colombo

9.15 - 10.00 Prof. Dr. Alberto Kornblihtt Epigenetics and alternative mRNA splicing

Oncology | Table of experts

Moderator: Dr Rubén Caron

10.00 - 10.20 Prof. Dr. Ralph Wäsch Cell cycle control in cancer

10.20 - 10.40 Prof. Dra. Laura Vargas Roig Hereditary breast and ovarian cancer: our experience and challenges

10.40 - 11.00 MD Lía Mayorga Epigenetic Adaptation in Disease Scenarios

11.00 - 11.20 Méd. Martin Guerrero Giménez Search of prognostic molecular subtypes of cancer through the analysis of gene expression patterns

11.20 - 11.40 Discussion

Coffee Break 11.40- 12.00

Conference

Moderator: Dr. Rubén Carón

12.00 - 12.40 Prof. Dr. Roland Heinrich Mertelsmann Re-thinking cancer 2019: Lessons learned from evolution and digital Intelligence

Lunch- Poster Sessions | 13.00 - 14.00

Antimicrobial Resistance Table of experts

Moderator: Dr. Armando Damiani

14.00 - 14.20	Prof. Dr. Klaus Aktories	The sweet death caused by antibiotics -novel findings on Clostridium difficile toxins
14.20 - 14.40	Prof. Dra. Marta Mollerach	Antibiotic Resistance Trends in Methicillin-Resistant Staphylococcus aureus isolated from cystic fibrosis patients
14.40 - 15.00	Prof. Dra. Silvia Attorri	Invasive infections by S. aureus: our experience
15.00 - 15.20	Discussion	

Fertility | Table of experts

Moderator: Dra. Claudia Tomes

15.30 - 15.50	Prof. Dr. Luis Mayorga	Membrane deformations and ion fluxes during the acrosome reaction in human sperm.
15.50 - 16.10	Prof. Dra. Marcela Michaut	The fertilization success from the oocyte´s perspective
16.10 - 16.30	PhD. Student Felicitas Holzer	CRISPR-Cas9, MRTs & Co: Innovative Technologies in the Latin American Context
16.30 - 16.50	Discussion	

Oral Presentations for Young Investigator Award

15.00 - 17.00 In 2 rooms, simultaneously

Round Table | Binational Education

15.30 a 16.50	Dr. Wolfgang Zimmermann	Cooperation between universities in Germany and Argentina, opportunities
	<i>Participants: Jimena Estrella Orrego- María Elena Rüttler- Ofelia Agoglia- Claudia Garnica- Bärbel Schätzle</i>	

Coffee Break | 16.50 - 17.30

Conference

Moderator: Prof. Dr. Mario del Pópulo

17.30 - 18.30	Prof. Dr. Joachim Frank, Nobel Prize for Chemistry 2017	Single-particle cryo-electron microscopy of biological molecules: a new era of structure research
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Friday, 8th of March

Conference

Moderadora: Prof. Dra. Patricia Garramuño de Vallés

8.30 - 9.10	Prof. Dr. Christoph Borner	Molecular mechanisms underlying polycystic kidney diseases
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Immunology | Table of experts

Moderator: Dra. Laura Delgui

9.10 - 9.30	Prof. Dra. Alicia Penissi	Pharmacological Regulation of mast cell activation
9.30 - 9.50	Prof. Dr. Hans-Peter Deigner	Endocrine disruptors - effects on stem cell differentiation and Metabolomics
9.50 - 10.10	Prof. Dr. Philipp Henneke	The daily grind of tissue macrophages
10.10 - 10.30	Discussion	

Coffee Break | 10.30 - 10.50

Diagnostics | Table of experts

11.00 -11.20	Prof. Dr. Oswald Prucke	How Do You Know...? - Novel Devices for Biomedical Analysis and Diagnostics
11.20 -11.40	Dr. Luciana Hannibal	A metabolomic platform for the diagnosis and investigation of diseases of metabolism
11.40 -12.00	Prof. Dr. María Elena Teresa Damiani	A biotechnologic Platform for the production of in vitro recombinant antibodies.
12.00 -12.20	Discussion	

Lunch – Poster Sessions | 12.30 - 13.30

Cardiovascular | Table of experts

Moderator: Prof. Dra. Claudia Castro

13.30 - 13.50	Prof. Dr. Ricardo Gelpi	Mechanisms involved in remote ischemic preconditioning
13.50 - 14.10	Dr. Gustavo Farez	Meetings point between Basic and Clinical research: think again about cardiovascular disease
14.10 - 14.30	Prof. Dra. Cristina Arranz	Prenatal and Postnatal Zinc deficiency: A cardiovascular and metabolic risk factor?
14.30 - 14.50	Prof. Dr. Andreas Zirlik	Personalised medicine in Cardiology - hype or hope?
14.50 - 15.10	Discussion	

Coffee Break | 15.10 - 15.30

Bioinformatics and Computer Simulation | Table of experts

Moderator: Dra. Vanesa Galassi

15.30 - 15.50	Prof. Dr. Joschka Bödecker	Machine Learning - Overview and Applications
15.50 - 16.10	Prof. Dr. Guillermo Raúl Marino	Medicine in the matrix: Clinical predictions with applied mathematics



16.10 - 16.30	Prof. Dr. Danilo González Nilo	Dissecting the molecular driving forces during TRPV1 channel activation
16.30 - 16.50	Prof. Dr. Roberto Isoardi	PET/MRI: Integrating function and Structure
16.50 - 17.10	Prof. Dr. Luis Moyano	Unsupervised machine learning applications in big public health data
17.10 -17.30	Discussion	

Ceremony Doctor Honoris Causa for Prof. Frank, Borner, Mertelsmann | 18.00

Young Investigator Awards

Closure Cocktail

Presence of authorities of UNCuyo, Mendoza, German Consulate

Faculty of Law UNCuyo



Embajada
de la República Federal de Alemania
Buenos Aires



Cónsul Honorario
de la República Federal de Alemania
Mendoza