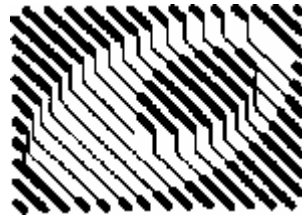




SAGIC



Sociedad de Biología de Cuyo



BIOCELL

***CUYO BIOLOGY SOCIETY***  
***XXI Annual Scientific Meeting***

***BIOCELL***

***Foundational Meeting of the***  
***ARGENTINE MICROSCOPY SOCIETY***

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SOCIEDAD DE BIOLOGÍA DE CUYO  
XXI Reunión Científica Anual

BIOCELL

Reunión Fundacional de la  
SOCIEDAD ARGENTINA DE MICROSCOPIA

***December 3 - 6, 2003***  
***CICUNC - Main Campus***  
***Cuyo National University***  
***Mendoza - Argentina***

# **ORGANIZING COMMITTEE**

## ***Biology Society of Cuyo***

### ***Past Committee***

**President:** Saraví, F. D.  
**Vice-President:** Ojeda, M. S.  
**Secretary:** Arenas, G. N.  
**Treasurer:** Fernández, R. A.

### ***Present Committee***

**President:** Ojeda, M. S.  
**Vice-President:** Fornés, M. W.  
**Secretary:** Alvarez, S.  
**Treasurer:** Fuentes, L.

## ***Committee of the Foundational Meeting of the Argentinean Microscopy Society (SAMIC)***

**President:** Piezzi, R. S.

**Committee:** Cavicchia, J.C.  
de Rosas, J.C.  
Fernández, R. A.  
Fornés, M. W.  
Lovey, F.  
Manucha, W. A. F.  
Mayorga, L. S.  
Ojeda, M. S.  
Saraví, F. D.  
Versaci, R.

# OPENING REMARKS

Mendoza, Argentina, December 2003.

Dear colleagues:

This meeting has been organized in order to celebrate two important events. On one hand, we have the tenth anniversary of the Journal BIOCELL. On the other hand, the foundation of the Sociedad Argentina de Microscopía (SAMIC). These events will be held in the context of the twenty first annual scientific meeting of the Sociedad de Biología de Cuyo, a regional forum of academic exchanges.

BIOCELL was originally published under the name "Revista de Microscopía Electrónica", the official organ of the Sociedad Latinoamericana de Microscopía Electrónica (SLAME). A new design for the journal, then entitled "Microscopía Electrónica y Biología Celular" appeared after a Congress held in Mendoza in 1978. This scientific journal was published, from 1982 to 1992, as the official organ of the scientific societies "Latinoamericana de Microscopía Electrónica" (SLAME) and "Iberoamericana de Biología Celular" (SIABC). In 1993 the journal changed its name to "BIOCELL" and began to be issued from Mendoza, Argentina. Currently BIOCELL has new digital and electronic versions. It has been incorporated to the ScELO/Argentina project, which will be internationally available on line in the near future.

Up to the present, the journal has published 236 original articles, 10 reviews, 16 brief notes and 16 minireviews, mainly about structural and functional biology, development, molecular and cellular biology, histo- and immunocytochemistry, and vegetal and genetic cytology. Additionally, BIOCELL has published the scientific proceedings of a number of regional and national societies. Thus far a total of 4,223 abstracts from symposia, conferences and communications have been published.

BIOCELL has demonstrated continuity, maintaining high quality standards both in form and contents, with a strict reviewing policy. Its printed version has reached international diffusion and fostered scientific exchange. The prestige attained by this journal has been recognized by international indexing services as an outstanding example of high scientific publication quality in Latin America.

With regard to the second event, we are celebrating the foundation of the Argentine Society of Microscopy, it should be remembered that light, electron, and confocal microscopy, are powerful tools to answer questions and to solve problems both in biology (human, animal and plant) and in materials science. Many researchers have developed their scientific work around, or closely linked to, the use of different microscopic techniques. This body of scientists, remarkable for its diversity and number, has been invited to gather at the "Sociedad Argentina de Microscopía". In this meeting, the statutes of the society will be discussed and hopefully approved, and its first committee will be appointed.

Mendoza gave birth to the current Cuyo Biology Society in 1973 and to BIOCELL in 1993. Today, in December 2003, Mendoza will become the foundational seat of the new society. Thus SAMIC will contribute other societies of microscopy already in operation in the region to the development of this field in Latin America. In this way the network of colleagues and friends will be strengthened on a continental and international basis.

As a final wish, we hope that your stay in our city and your participation in this event will be unforgettable.

The organizing committee.

## Meeting Timetable

Time	Wednesday, December 3	Time	Thursday, December 4	Friday, December 5	Saturday, December 6
		8:30 to 9:50	<b>Poster Session I:</b> 1-33 Lobby	<b>Poster Session III:</b> 64-93 Lobby	<b>Poster Session IV:</b> 94-115 Lobby
		10:00 to 12:00	Central Auditorium <b>Symposium II:</b> "BIOLOGY OF REPRODUCCIÓN".	Central Auditorium <b>Symposium IV:</b> "INTRACELLULAR MICROORGANISMS AND THE HOST CELL"	Central Auditorium <b>Plenary panel:</b> "ARGENTINEAN AND LATIN AMERICAN JOURNALS".
		12:15 to 13:00	Central Auditorium <b>Plenary Lecture I:</b> "CHEMOTACTIC FACTORS INVOLVED IN MIGRATION OF NEURAL CREST CELLS". Dr. Roberto Rovasio Córdoba, Argentina	Central Auditorium <b>Plenary Lecture III:</b> "HEAT SHOCK PROTEINS: FROM BASIC RESEARCH TO THE CLINIC". Dr. Daniel Ciocca Mendoza, Argentina	Central Auditorium <b>Plenary Lecture IV:</b> "NOVEL SIGNAL TRANSDUCTION MECHANISMS FOR ANGIOTENSIN II RECEPTORS". Dr. Gladys Ciuffo. San Luis, Argentina
		13:05 to 15:00	Lunch	Lunch	Lunch
14:00 to 16:00	<b>Registration</b>	15:00 to 17:00	Central Auditorium <b>Symposium III:</b> "EVOLUTIONARY AND PHYLOGENETIC STUDIES ON THE GENUS <i>Solanum</i> "	Central Auditorium <b>Symposium V:</b> "UPDATE OF STUDIES ON <i>Trypanosoma cruzi</i> DISEASE".	Central Auditorium <b>Mini workshop:</b> "MICROSCOPY IN MATERIAL SCIENCES".
16:00	Central Auditorium <b>Opening ceremony:</b> . Words of wellcome . Choral performance	17:15 to 18:25	Central Auditorium Plenary <b>Plenary Lecture II:</b> "MAST CELL: A SUPPORTIVE PROINFLAMMATORY STIMULUS IN CERVICO- UTERINE CANCER". Dr. Isolde Rudolph Geise Concepción, Chile	Central Auditorium <b>Plenary Lecture IV:</b> "THYROID DISFUNCTIONS AND FEMALE REPRODUCTION". Dr. Graciela Jahn Mendoza, Argentina	Central Auditorium <b>Foundation SAMIC Lecture</b> Chairperson: Dr. Wanderlye de Souza Speaker: "ELECTRON BACKSCATTERING DIFFRACTION (EBSD): CRYSTALLOGRAPHY IN THE SEM" Dr. Aylwin Eades Bethlehem, USA
16:30 to 17:30	<b>Opening Conference:</b> "GENETICS: FIFTHY YEARS OF ADVANCES". Medical School Dean Dr. Norma Magnelli				
17:30 to 19:30	Central Auditorium <b>Symposium I:</b> "BIOACTIVE NATURAL PLANT PRODUCTS FROM THE CUYO REGION"	18:30 to 20:00	<b>Poster Session II:</b> 34-63 Lobby	Central Auditorium <b>Foundational Meeting of the Argentinean Microscopy Society.</b> Coordinators: Drs. Juan Pablo Bozzini and Marta Mariano Buenos Aires, Argentina	Closing Ceremony
19:35	WELCOME COCKTAIL				
21:30				Dinner	

# **SCIENTIFIC PROGRAM**

## **Wednesday, December 3**

- 14:00 – 16:00                    **Registration**
- 16:00                            **Opening:**
- Opening statement
  - CRICYT 's Choir performance
- 16:30 – 17:30                **Opening Conference:**  
"GENETICS: FIFTY YEARS OF ADVANCES".  
Dr. Norma C. Magnelli. Medical School Dean, Facultad de Ciencias Médicas, Universidad Nacional de Cuyo, Mendoza, Argentina.
- 17:30 – 19:30                **Symposium I:**  
"BIOACTIVE NATURAL PLANT PRODUCTS FROM THE CUYO REGION".  
Chairperson: Giordano OS
- 17:30 – 17:55                **BIOACTIVITY AND CHEMOTAXONOMY OF SOME SPECIES OF PLANTS FROM THE CUYO REGION.**  
Giordano OS. INTEQUI-CONICET. Area Quím, Fac Quím Bioquím Farm, Univ Nac San Luis, Argentina.
- 18:00 – 18:25                **INHIBITION OF MAST CELL DEGRANULATION BY DEHYDROLEUCODINE, A SESQUITERPENE LACTONE WITH POTENT ANTIULCER ACTIVITY.**  
Penissi AB. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 18:30 – 18:55                **EFFECT OF SESQUITERPENIC LACTONES ON HUMAN SPERM MOTILITY: EVIDENCE REGARDING A POSSIBLE ROLE FOR MICHAEL'S ADDITION REACTIONS.**  
Yunes R. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 19:00 – 19:25                **EFFECT OF DEHYDROLEUCODINE IN CELL PROLIFERATION.**  
Lopez ME. Lab Cytoeskel Cell Cycle. IHEM, Univ Nac Cuyo, Mendoza, Argentina.

## **Thursday, December 4**

- 8:30 - 9:50           **Posters Session I.**  
Number 1-33. Authors' name beginning with A to C (Ch included)
- 10:00 - 12:00       **Symposium II:**  
"BIOLOGY OF REPRODUCTION".  
Chairperson: Cavicchia JC
- 10:00 – 10:20       THE EVOLUTION OF MEIOSIS.  
Solari A. CIR-CONICET, Facultad de Medicina, UBA. Argentina.
- 10:20 – 10:40       IMPACT OF AGROPESTICIDES IN MALE FERTILITY.  
Bustos Obregón E. Facultad de Medicina, Universidad de Chile.
- 10:40 – 11:00       RAFTS: NEW MEMBRANE MICRODOMAINS IN MOUSE SPERM.  
Fornés, M. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 11:00 – 11:20       REPRODUCTIVE CYCLICITY AS A SURVIVAL STRATEGY.  
Scardapane L. Fac Qca Bqca y Farm, Univ Nac San Luis. Argentina.
- 11:20 – 11:40       MOLECULAR MECHANISMS OF ACROSOMAL EXOCYTOSIS.  
Mayorga LS. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 11:40 – 12:00       NUCLEAR PORE BEHAVIOR DURING CHROMATIN CONDENSATION IN DIVERSE BIOLOGICAL MODELS. A FREEZE-FRACTURE STUDY.  
Cavicchia, JC. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 12:15 – 13:00       **Plenary Lecture I:**  
"CHEMOTACTIC FACTORS INVOLVED IN MIGRATION OF NEURAL CREST CELLS"  
Dr. Roberto Rovasio. Cátedra de Biología Celular, Facultad de Ciencias Exactas, Físicas y Naturales. Universidad Nacional de Córdoba. Córdoba, Argentina.
- 13:05 - 15:00                           **Lunch**
- 15:00 – 17:00       **Symposium III:**  
"EVOLUTIONARY AND PHYLOGENETIC STUDIES ON THE GENUS *Solanum*".  
Chairperson: Masuelli R.

- 15:00 – 15:30 INTERNAL BARRIERS TO HYBRIDIZATION IN TUBEROUS SPECIES OF *Solanum*.  
Camadro EL. EEA Balcarce, INTA-FCA, UNMdP, CONICET. Balcarce, Bs. As.
- 15:40 – 16:10 EVOLUTIONARY RELATIONSHIPS OF WILD TOMATOES.  
Peralta IE. Facultad de Ciencias Agrarias, Univ Nac Cuyo, Mendoza, and CONICET-IADIZA, Mendoza, Argentina.
- 16:20 – 16:50 GENETIC AND EPIGENETIC CHANGES IN INTERSPECIFIC HYBRIDS OF *Solanum*.  
Masuelli RW. Facultad de Ciencias Agrarias, Univ Nac Cuyo, CONICET. Mendoza.
- 17:15 – 18:25 **Plenary Lecture II:**  
“MAST CELLS A SUPPORTIVE PROINFLAMMATORY STIMULUS IN CERVICO-UTERINE CANCER”.  
Dr. María I. Rudolph Geise. Dpto. de Farmacología, Facultad de Ciencias Biológicas, Universidad de Concepción. Concepción, Chile.
- 18:30 – 20:00 **Posters Session II.**  
Number 34-63. Authors' name beginning with D to L.

## Friday, December 5

- 8:30 – 9:50 **Posters Session III.**  
Number 64-93. Authors' name beginning with M to R.
- 10:00 – 12:00 **Symposium IV:**  
“INTRACELLULAR MICROORGANISMS AND THE HOST CELL”  
Chairperson: Colombo MI
- 10:00 – 10:25 IS THE NUCLEUS REQUIRED FOR THE INFECTION OF HOST CELLS WITH NON-VIRAL PATHOGENS?  
Rabinovitch M. EPM, UNIFESP and IQ, USP, São Paulo, Brasil.
- 10:30 – 10:55 ROLE OF THE HOST CYTOSKELETON IN THE FORMATION OF *Coxiella burnetii*-CONTAINING VACUOLES.  
Berón W. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 11:00 – 11:25 INDUCTION OF AUTOPHAGY BYPASSES *Mycobacterium tuberculosis* PHAGOSOME MATURATION BLOCK.

Gutiérrez M. Lab Biol Cel y Mol, IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.

- 11:30 – 11:55 ATTENUATED *Yersinia enterocolitica* MUTANT STRAINS IN CYTOKINE DEFICIENCY CONDITIONS: IMPLICATIONS FOR VACCINE DEVELOPMENT.  
Di Genaro MS. Area Microbiología, Fac. de Química, Bioquímica y Farmacia. Univ Nac San Luis, Argentina. Pettenkofer Institute for Hygiene and Medical Microbiology, Ludwig Maximilians University Munich, Munich, Germany.
- 12-15 – 13:00 **Plenary Lecture III:**  
“HEAT SHOCK PROTEINS: FROM BASIC RESEARCH TO THE CLINIC”.  
Dr. Daniel Ciocca. IMBECU-CONICET, CRICYT. Mendoza, Argentina.
- 13:05 – 15:00 **Lunch**
- 15:00 – 17:00 **Symposium V:**  
“UPDATE OF STUDIES ON *Trypanosoma cruzi*”.  
Chairperson: SOSA MA
- 15:00 – 15:25 NUCLEAR DIVISION IN PROTISTS.  
Solari AJ. CIR, Fac Med, Universidad de Buenos Aires, Buenos Aires, Argentina.
- 15:30 – 15:55 GONAD DEVELOPMENT DURING EMBRYOGENESIS AND METAMORPHOSIS IN *Triatoma infestans*.  
Bozzini JP. Instituto “Carlos Malbrán”, Universidad C.A.E.C.E., Buenos Aires, Argentina.
- 16:00 - 16:25 STUDIES ON THE CELL DIVISION CYCLE OF *Trypanosoma cruzi*.  
Tellez-Iñón MT. INGEBI-CONICET, and FCEyN-Universidad de Buenos Aires. Buenos Aires, Argentina.
- 16:30 - 16:50 THE EFFECT OF NATURAL COMPOUNDS ON CULTURED *Trypanosoma cruzi* EPIMASTIGOTES.  
Sosa MA. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.
- 17:15 – 18:25 **Plenary Lecture IV:**  
“THYROID DYSFUNCTIONS AND FEMALE REPRODUCTION”.  
Dr. Graciela A. Jahn. Lab de Reproducción y Lactancia, IMBECU-CONICET, Mendoza, Argentina.



18:30 – 20:00      **FOUNDATIONAL MEETING OF THE ARGENTINE MICROSCOPY SOCIETY.**  
Chairpersons: Juan Pablo Bozzini and Marta Mariano

### **Saturday, December 6**

8:30 – 9:50      **Poster Session IV.**  
Number 94-115. Authors name beginning with S to Z.

10:00 – 12:00      **Plenary panel:**  
“ARGENTINEAN AND LATIN AMERICAN JOURNALS”.  
Chairperson: Piezzi RS

10:00 – 10:20      **QUALITY STANDARDS IN ARGENTINE SCIENTIFIC JOURNALS.**  
Flores AM. Centro Nac Arg ISSN CAICYT-CONICET, Buenos Aires.

10:25 – 10:45      **QUALITY REQUIREMENTS FOR INTERNATIONAL PUBLICATION.**  
Bustos-Obregón E. University of Chile Medical School, Santiago, Chile.

10:50 – 11:10      **A BRIEF HISTORY OF THE JOURNALS “MICROSCOPIA ELECTRONICA Y BIOLOGIA CELULAR” AND “BIOCELL”.**  
Burgos M.H. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.

11:15 – 11:35      **QUALITY AND CHALLENGES IN LATIN AMERICAN JOURNALS. THE EXPERIENCE OF BIOCELL.**  
Piezzi RS. IHEM-CONICET, Fac Cs Méd, Univ Nac Cuyo, Mendoza, Argentina.

11:45 – 12:05      **THE ROLE OF THE UNIVERSITY PRESS ON PERIODICAL PUBLICATIONS.**  
Gotthelf R. EDIUNC, Universidad Nacional de Cuyo, Mendoza, Argentina

12:15 – 13:00      **Plenary Lecture V:**  
“NOVEL TRANSDUCTION MECHANISMS FOR ANGIOTENSIN II RECEPTORS”.  
Dr. Gladys Ciuffo. Fac de Química, Bioquímica y Farmacia, Universidad Nacional de San Luis. San Luis, Argentina.

13:05 – 15:00      **Lunch**

