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20076

REPORT ON THE INTERNATIONAL WORKSHOP titled
"MOLECULAR BIOLOGY OF CELL DIFFERENTIATION AND
EMBRYONIC DEVELOPMENT"

THIRD EVENT IN THE SERIES OF
THE SANTIAGO SOUTHERN SUMMER SYMPOSIA

Dates : January 4-6, 1995

Place: Auditorium "Julio Cabello", Faculty of Medicine,
University of Chile, Santiago, Chile

Organized by : Biochemistry Department, Faculty of Medicine,
University of Chile.

President of the Organizing Committee :

Dr. Jorge E. Allende.

Co-organizer:

**Dr. Eddy de Robertis - Dept. Biological Chemistry
UCLA School of Medicine - Los Angeles - Calif. USA**

Sponsors: The National Science Foundation (USA), The International Centre for Genetic Engineering and Biotechnology (ICGEB), The Regional Program of Biotechnology of Latin America of UNDP/UNESCO/UNIDO, The National Cancer Institute (USA), The International Union of Biochemistry and Molecular Biology, The Latin American Network of Biological Sciences (RELAB), The British Council, The "Fundación para Estudios Biomedicos Avanzados" of the Faculty of Medicine and the University de Chile.

Lecturers : 25 lecturers from abroad (Argentina, Belgium, Brazil, Ecuador, Germany, Italy, Mexico, United Kingdom, United States and Uruguay) as well as 4 Chilean lecturers and 7 distinguished Scientists from Chile and Argentina as chairpersons in these sessions. were invited.

Free Communications: 18 poster presentations of the work of graduate students and postdoctoral fellows from: Argentina, Brazil, Ecuador, Mexico, Uruguay, USA, Germany, Spain and Chile

- Grants:**
- 12 grants were given to young researchers from USA, Brazil, Argentina, Ecuador, Mexico and Uruguay, representing partial participation in airticket expenses and pocket money as well as liberation of inscription fees.
 - 23 grants were as well given as partial participation in travel expenses and pocket money to Chilean students from regional universities.
 - 199 liberation of inscription fees were given to students from pre y postgraduate.

Attendance: There was a total of 282 registered participants. An average attendance of 200 persons was daily estimated for the 3 days duration of the Symposium.

Inauguration Ceremony:

The Symposium started with a short ceremony presided by the Dean of the Faculty of Medicine, Dr. Eduardo Rosselot, Dr. Federico Welsch, Director of International Relations Department of the National Cancer Institute; Dr. Francisco Baralle, Director of the Trieste Component of the ICGEB, Dr. Manuel Oyarzun, Academic Director of the Faculty of Medicine; Dr. Eddy De Robertis and Dr. Jorge E. Allende, co-organizers.

Drs. Allende, Welsch, Baralle and Dean Rosselot spoke briefly to welcome the participants and to explain the interest of their institutions in supporting this meeting.

Comments by the Organizer:

The third meeting of the Santiago Southern Summer Symposia series was highly successful. The success was first due to the excellent level of the participants and to the care that these participants demonstrated in delivering exiting lectures on their latest research results. Lecturers included such world-class scientists such as Drs. P. Leder (Harvard), J. Gurdon (Cambridge), F. Baralle (Trieste), M. Capecchi (Utah), P. Grüss (Göttingen), E. De Robertis (Los Angeles), F. Kafatos (EMBL-Heidelberg), A. Ghysen (Brussels), L. Zipursky (Los Angeles), I. Dawid (Bethesda), P. Marks (New York).

In addition, the program dedicated an important part of the time to the presentation of distinguished Latin American researchers such as: H. Torres (Buenos Aires), E. del Pino (Quito), R. Ehrlich (Montevideo), H. Merchant-Larios (Mexico), M. Brentani (Sao Paulo), A. Cáceres (Cordoba) and 4 Chilean researchers: L. Burzio (Valdivia) and J. Fernandez, R. Mayor and C. Barros from Santiago.

Another important aspect that contributed to the success of the meeting was the fact that in addition to the exhibition of the posters, each of these was assigned to one of the most distinguished lecturers from an oral 10 minute discussion during two poster discussion sessions scheduled at the end of the first two days. These sessions were very useful and stimulating for the young authors of these posters.

Finally the meeting was also successful in attracting an attendance of 282 registrants of which 190 were students.

In an effort to extend the benefits of the Symposium, all the lectures were recorded in Video and copies of these videos are being offered at cost to all interested in having them. Up to now more than 15 scientists have ordered copies to use them in doctoral-level courses.

Based on the great enthusiasm demonstrated by both the local and foreign participants, we are already starting the task of organizing the fourth workshop on the topic of: *Genes and Genomes: Structure Mapping and Diversity*.

- Enclosures:- Abstract Book
 - Symposium Group Photograph
 - Workshop Programme leaflets
 - Program of the Poster Discussion Sessions

REGISTERED PARTICIPATION

| | | |
|---|-----|------------|
| Foreign lecturers | 25 | |
| Chilean lecturers | 4 | |
| Chairmen | 7 | |
| Sub total | | 36 |
| Registered Students before 31/12/92 | 167 | |
| Local Academics registered before 31/12/92 | 15 | |
| Foreign Fellowship recipients | 12 | |
| Chilean Fellowship recipients | 23 | |
| Registrations during the Symposium | 29 | |
| Sub total | | 246 |
| TOTAL | | 282 |

POSTER DISCUSSION SESSIONS

Session I - Wednesday 4th January 1995 17-19 hrs.

John Gurdon

1. Retinoic Acid and the antagonist Ro 41-5253 alter the expression pattern of a homeoprotein in Vertebrate Embryos
Silvia Lopez - Argentina
2. Expression of Protein Kinase CK2 during development of Xenopus and Zebrafish.
Vivian Wilhelm - Chile

Phil Leder

3. Basic Fibroblast growth factor and dibutyryl cAMP induce differential expression of fos and jun proto-oncogenes but not of basic fibroblast growth factor receptor gene in PC12 cells
Patricia Abreu - Brazil
4. Modulation of Protein Tyrosine Kinase p56^{lck} Activity upon Lymphocyte Stimulation
Marcelo Bustamante, Chile

Igor Dawid

5. DNA Methylation and DNA mutation in the filamentous fungi Neurospora crassa and Ascobolus Immissus
José Luis Barra - Argentina
6. Neural Development in gastrotheca
Araceli Medina - Ecuador
7. Molecular Aspects of Hearts Development in Amphibia
Kristin D. Patterson - USA

Eddy de Robertis

8. Embryonic Blastomere Specification in C. elegans
Steve Gendreau - USA
9. Cellular interactions involved in the induction of the neural folds in Xenopus.
Alejandra Mancilla - Chile

Session II - Thursday, 5th January - 17 to 19 hrs.

Heiner Westphal

10. Developmental Evolution of α -crystallins in chicken lens cells
Alicia DE Maria - Uruguay
11. Radial Gradients in Protein Distribution in the Squid Lens
Virginia Pellegrino - Uruguay

Alain Ghysen

12. The Cnidarian Achaete-scute Homolog CnASH has Proneural Activity in *Drosophila*
Ann Grens - USA
13. The Iroquois gene is a member of the homeobox family of transcription factors and acts directly upstream of the achaete-scute complex
José Luis Gomez-Skarmeta - Spain

Peter Gruss

14. Skeletal Morphogenesis in the Sea Urchin Embryo: Regulated Expression of Primary Mesenchyme Cell-Specific Genes.
Kirsten A. Guss - USA

Geraldine Weinmaster

15. Undifferentiated Male Gonads Undergo normal morphogenesis after dissociation-reaggregation
Norma Moreno-Mendoza - Mexico

Mario Capecchi

16. Molecular Mechanisms of fetal pattern of B Lymphopoiesis in Adult Mouse liver mediated by chronic Inflammation
M. Isabel Rossi - Brazil
17. *Cdx1*, function and regulation during mouse development
Barbara Meyer - Germany

Fotis Kafatos

18. A thyroid hormone response gene expressed during *Xenopus laevis* metamorphosis encodes a possible transcription factor
Akira Kameyama - USA

FINANCIAL REPORT

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Vienna International Centre, P.O.Box 300 - A-1400 Vienna- Austria

and

THE CORPORACION RELAB

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Project NO GE/GLO/90/004

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Third Santiago Southern Summer Symposium

on

Molecular Biology of Cell Differentiation

and Embryonic Development

Santiago de Chile, January 4 - 6, 1995

A C C O U N T

A- INVITED SPEAKERS

I. POCKET MONEY PROVIDED TO THE INVITED SPEAKERS

| | |
|---|-----|
| 1. Dr. Francisco Baralle - ICGB - Trieste | 400 |
| 2. Dr. Alain Ghysen - Belgium | 400 |
| 3. Dr. Peter Gruss - Germany | 400 |
| 4. Dr. John Gurdon - United Kingdom | 600 |
| 5. Dr. Fotis Kafatos - Germany | 400 |

TOTAL US\$ 2.200

(See enclosure I. - 1 to 5)

II. AIRFLIGHT TICKETS

| | |
|-----------------------------------|------|
| 1. Dr. Eugenia del Pino - Ecuador | 797 |
| 2. Dr. Alain Ghysen - Belgium | 1800 |
| 3. Dr. Horacio Merchant - Mexico | 821 |

TOTAL US\$ 3.418

(See Enclosure II - 1 to 3)

B- YOUNG SCIENTISTS PRESENTING POSTERS

III. POCKET MONEY PROVIDED TO THE GRANTEES

| | |
|--|-----------------|
| 1. Miss Patricia Abreu - Sao Paulo - Brazil | 200 |
| 2. Miss Alicia DE Maria - Montevideo-Uruguay | 200 |
| 3. Miss Silvia Lopez - B. Aires - Argentina | 200 |
| TOTAL | US\$ 600 |

(See enclosure III. - 1 to 3)

IV. AIRFLIGHT TICKETS

| | |
|--|-------------------|
| 1. Miss Patricia Abreu - Sao Paulo - Brazil | 522 |
| 2. Miss Alicia DE Maria - Montevideo-Uruguay | 335 |
| 3. Miss Silvia Lopez - B. Aires - Argentina | 259 |
| TOTAL | US\$ 1.116 |

(See Enclosure IV - 1 to 3)

C- OTHER EXPENSES

V. ORGANIZATION AND OFFICE EXPENSES

| | |
|---|------|
| 1. Office supplies: xerox paper, photo-copies, transparencies, folders, name tags, printer supplies, photos, etc International Communications: Faxes, Phone, mail, courier service | 1399 |
| 2. Extra Work for Cleaning and transportation staff and Projectionists and lecture room attendants | 335 |
| 3. Posters (100) | 342 |
| 4. Video Tapes | 590 |

TOTAL **US\$ 2666**

(See Enclosure V. 1 to 4)

- 3/3 -

| | |
|---|--------------------|
| GRAN TOTAL | US\$ 10.000 |
| <u>Received</u> - 1st Payment of Contract: | US\$ 8.000 |
| <u>Balance to be received</u> | US\$ 2.000 |



Jorge E. Allende
President of the Chilean
National Committee of Biotechnology
President of the Corporación RELAB

Santiago, January 16th, 1995

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Santiago, 5th of December 1994

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US\$ 10,000

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Upon acceptance of Final Report: US\$ 2,000

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