



FINAL REPORT

Free Radicals and Antioxidants in Chile 2009 VI Meeting of the SFRBM-South American Group

Santiago, September 27 – 30, 2009

www.sfrbm-chile2009.cl

November 11, 2009

Free Radicals and Antioxidants in Chile 2009, VI Meeting of SFRBM-South American Group, was held in Santiago, Chile, September 27 – 30, 2009. The venue was the “Centro de Extensión” of the P. Universidad Católica de Chile.

The meeting was an initiative aiming at providing a direct forum for a significant number of the established and new scientists working in the field of free radicals, antioxidants, oxidative damage, and related areas in human and animal biology and pathology, plant biology and pathology, and relevant environmental related aspects such as radiation and hypoxia. Particular emphasis was given to attract the participation of students and the organization of a Free Radical School.

In direct continuation of a tradition already established for this series of congresses, this meeting in Santiago was successful for having fully reached the goals initially defined, in spite of a global economically difficult period that affected scientific reunions all over the world.

A total of **427 attendees** were distributed as 155 regular, 33 post doctoral and 239 students. Attendees came from 19 countries, mostly from Brazil (39,3%), Chile (29,0%), Argentina (9,6%) and Uruguay (7,5%). Other attendees were from Mexico, USA, Perú, Colombia, Canada, France, Germany, UK, Spain, Italy, India, Poland, Denmark, Portugal, and Switzerland.

The scientific program consisted of 2 plenary conferences, 28 conferences, 32 oral presentations, 290 poster presentations and the Free Radical School.

The program was distributed in 12 scientific sessions:

1. Chemistry and biochemistry of free radicals and antioxidants
2. Oxidative stress in aging and neurodegeneration
3. Reactive oxygen species (ROS), radiation and regulation
4. Cell responses to oxidative stress
5. Nutrition and oxidative damage
6. Hypoxia and free radicals
7. Oxidative stress in plants
8. Free radicals in signaling and regulation
9. Oxidative damage and disease
10. Food and antioxidants
11. Natural antioxidants
12. Transition metals and oxidative damage

Invited speakers

Dulcinea Abdalla (Brazil)
Syed F. Ali (USA)
Damian M. Bailey (UK)
Luis Barbeito (Uruguay)
Alberto Boveris (Argentina)
Enrique Cadenas (USA)
Jean Cadet (France)

María Cecilia Carreras (Argentina)
Alan Crozier (UK)
Dipak K. Das (USA)
Kelvin Davies (USA)
Ana Denicola (Uruguay)
César G. Fraga (USA)
Balz Frei (USA)
Gustavo F. Gonzáles (Perú)
Tilman Grune (Germany)
Loreto Holuigue (Chile)
Giulio Jori (Italy)
Santiago Lamas (Spain)
Lorenzo Lamattina (Argentina)
Larry Marnett (USA)
Hugo Monteiro (Brazil)
Tulio Núñez (Chile)
Giuseppe Poli (Italy)
Ned Porter (USA)
Rafael Radi (Uruguay)
Homero Rubbo (Uruguay)
Tito Scaiano (Canada)
Helmut Sies (Germany)
Luis Videla (Chile)
Norbert Weissmann (Germany)

The inaugural plenary conference was given by Enrique Cadenas (USA) “**Mitochondrial Energy – Redox Axis in a model of Alzheimer's disease. Effects of α -lipoic acid**”
Alberto Boveris (Argentina) presented Enrique Cadenas.

The closing plenary conference was given by Rafael Radi (Uruguay) “**Protein tyrosine nitration and conformational changes: a “trigger” for cytochrome c**”. Ana Denicola (Uruguay) presented Rafael Radi.

FREE RADICAL SCHOOL

The Free Radical School was coordinated by Alexis Aspée (USACH) and Camilo López (P. Universidad Católica de Chile) on Monday 28 and Tuesday 29 September, from 13:45 to 14:45 hrs.

A total of 222 students were registered in the School. The program on Monday 28 was the conference “**Appraisal of in vivo total antioxidant capacity (TAC)**” by *Helmut Sies* (Germany) and “**Antioxidant capacity of dietary flavonoids and flavonoid-rich foods: in vitro and in vivo effects**” by *Balz Frei* (USA).

The program on Tuesday 29 was the conference “**Applications of laser techniques to the study of free radical reactions**” by *Tito Scaiano* (Canada) and “**Peroxynitrite-mediated lipid oxidation and nitration: Mechanism and consequences**” by *Homero Rubbo* (Uruguay).

ORGANIZING COMMITTEE:

Eduardo Lissi, Universidad de Santiago, USACH
Conference chair

Federico Leighton, P. Universidad Católica de Chile
Conference Co-chair

Other members:

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Hernán Speisky	Universidad de Chile
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Luis Videla	Universidad de Chile

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M. Carolina Cabrera (P. Universidad Católica de Chile)
Administration and Coordination

Karen Lazo
CMC Organizadores Profesionales S.A.
secretary@sfrbm-chile2009.cl

The web page www.sfrbm-chile2009.cl will remain active until December 31, 2009. The Congress Final Program, and the Free Radical School slide presentations are accessible.

The congress had several patronages, including government ministries, universities, national and International scientific societies:


Ministerio de Salud de Chile; Ministerio de Agricultura de Chile; FIA- Fundación para la Innovación Agraria; CONCIYT, Universidad de Santiago, USACH; P. Universidad Católica de Chile; Universidad de Valparaíso; Universidad de Chile; Universidad Católica de Valparaíso; Universidad Católica del Norte; Universidad de la Frontera; SFRBM- Society for Free Radical Biology and Medicine, SFRBM-South American Group; Sociedad Médica de Chile; Sociedad de Biología de Chile; Sociedad de Biología Celular de Chile; Sociedad de Bioquímica y Biología Molecular de Chile; Sociedad Chilena de Nutrición, Bromatología y Toxicología; Sociedad de Geriatria y Gerontología de Chile; Sociedad Chilena de Dermatología y Venereología; Asociación Vinos de Chile.

Several prestigious international societies and companies served as sponsors, including the Society for Free Radicals Biology and Medicine, The Linus Pauling Institute, the Oxygen Club of California and several Chilean companies.

We thank all the contributions that allowed us to give fellowships to students, cover hotel expenses of the speakers, and the invitation for all participants to the opening cocktail and closing dinner, as well as Free Radical School expenses (lunch and material) plus other costs always involved in the organization and materialization of a congress.

Representatives of Argentina, Brazil, Chile, and Uruguay discussed the organization of the next meeting. There was consensus that the organization would be the responsibility of Brazil (with the participation in this exchange of Dulcinea Abdalla, Francisco Laurindo and Hugo Monteiro, for Brazil). Foz de Iguazu 2011 is the tentative goal.


Federico Leighton
Conference Co-chair


Eduardo Lissi
Conference Chair