

XII Annual Scientific Meeting of Instituto Butantan

December 01-03, 2010

Biotechnology and Innovation in Public Health: Perspectives for the Next Decade

Scientific Program

Tuesday 11/30/2010

**Satelite Event: Symposium of Instituto Butantan's Graduate Program in
Toxinology**

Coordinator: Norma Yamanouye

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| 14:00 – 15:00 | Conference
Peptide toxins that affect the gating of sodium channels
Paulo Sérgio Lacerda Beirão – Instituto de Ciências Biológicas,
Universidade Federal de Minas Gerais |
| 15:00 – 16:45 | Mini-Conferences |
| 15:00 – 15:30 | Mechanisms involved in the hemorrhagic action of
metalloproteases from snake venoms: tissue distribution and
<i>in situ</i> hydrolysis
Cristiani Baldo – Laboratório de Imunopatologia, Instituto
Butantan |
| 15:30 – 15:45 | Coffee break |
| 15:45 – 16:15 | Formation of lipid bodies induced by a phospholipase A2
from snake venom: mechanisms involved in this effect |

Elbio Leiguez Junior – Laboratório de Farmacologia, Instituto Butantan

16:15 – 16:45 **Proteomics and transcriptomics applied to the study of the variability of *Bothrops jararaca* venom**

André Zelanis – Laboratório Especial de Toxinologia Aplicada, Instituto Butantan

16:45 – 17:15 **Oral Presentation**

Detection of proteins in the microvesicles present in the venom of *Crotalus durissus terrificus* snake

Andréia de Souza, Sylvia M. Carneiro, Fernanda Sakai, Sávio S. Sant'Anna, Wilson Fernandes, Norma Yamanouye

Wednesday 12/01/2010

09:00 - 09:30 **Opening Session**

09:30 - 12:30 **Thematic Session I: Creating an environment for innovation**

Coordinator: Ivo Lebrun – Instituto Butantan

09:30 - 10:10 **Role of the technological parks in the stimulation of innovation in public health**

Pedro Primo Bombonato – Faculdade de Medicina Veterinária e Zootecnia, Universidade de São Paulo

10:10 - 10:50 **From genomic sequencing to the biotechnology industry. The ALELLYX experience**

Paulo Arruda – Instituto de Biologia, Universidade Estadual de Campinas

10:50 - 11:10 **Coffee break**

11:10 – 11:50 **Evaluation and perspectives of the Graduate Program Interdisciplinary Units in Biotechnology USP/IPT/Instituto Butantan: contribution of Instituto Butantan**

	Ana Clara Guerrini Schenberg – Instituto de Ciências Biomédicas, Universidade de São Paulo
11:50 - 12:30	Research, development and production Hernan Chaimovich Guralnik – Fundação Butantan
12:30 – 13:00	Interval
13:00 – 15:00	Poster Session I 1. Venoms and Envenomations 2. Biochemistry 3. Pharmacology 11. Scientific Initiation (PIBIC)
15:00 – 17:30	Young Scientist Award - Scientific Initiation and PAP Program
	Award Committee: Rodrigo Hirata Willemart – Escola de Artes, Ciências e Humanidades, Universidade de São Paulo Wagner Ricardo Montor – Departamento de Ciências Fisiológicas, Faculdade de Ciências Médicas da Santa Casa de São Paulo Zulma Felisbina da Silva Ferreira - Instituto de Biociências, Universidade de São Paulo
15:00 – 16:00	Scientific Initiation Award Coordinator: Yara Cury – Instituto Butantan
16:00 – 16:30	Coffee break
16:30 - 17:30	PAP Program Award Coordinator: Isabel de Fátima Correia Batista – Instituto Butantan

Thursday 12/02/2010

- 09:00 – 12:00** **Thematic Session II: Pathways to the development of drugs**
Coordenadora: Ana Marisa Chudzinski-Tavassi – Instituto Butantan
- 09:00 - 09:40** **Strategies of biopharmaceutical production in Brazil**
Spartaco Astolfi Filho – Universidade Federal do Amazonas / Cristália
- 09:40 - 10:20** **National Institute of Science and Technology of Drugs and Medications (INCT-INOVAR) and the pharmaceutical technology innovation**
Eliezer Jesus de Lacerda Barreiro – Faculdade de Farmácia, Universidade Federal do Rio de Janeiro
- 10:20 – 10:40** **Coffee break**
- 10:40 - 11:20** **Speeding up drug discovery with phenotypic HTS**
Fernando Dossin – Institut Pasteur Korea
- 11:20 – 12:00** **Nanotechnologies: development, opportunities and challenges**
Oswaldo Luiz Alves – Instituto de Química, Universidade Estadual de Campinas
- 12:00 – 13:00** **Interval**
- 13:00 – 15:00** **Poster Session II**
7. Cellular Biology and Genetics
8. Animal Biology
10. Others
12. PAP Program
- 15:00 – 17:30** **Young Scientist Award – Master and Doctoral Degrees**
Award Committee:

Carlos Alberto da Silva – Centro de Ciências Naturais e Humanas, Universidade Federal do ABC

Rosana Camarini – Instituto de Ciências Biomédicas, Universidade de São Paulo

Sônia Godoy Bueno Carvalho Lopes - Instituto de Biociências, Universidade de São Paulo

15:00 – 16:00

Master Degree Award

Coordinator: Norma Yamanouye – Instituto Butantan

16:00 – 16:30

Coffee break

16:30 - 17:30

Doctoral Degree Award

Coordinator: Ana Maria Moura da Silva - Instituto Butantan

Friday

12/03/2010

09:00 – 11:00

Thematic Session III: Therapy and vaccines: challenges and perspectives

Coordenador: Hugo Aguirre Armelin – Instituto Butantan

09:00 - 09:40

Immunotherapy and opportunities for innovation: anticancer vaccines and humanized antibodies

Fernando Thomé Kreutz – FK Biotecnologia

09:40 - 10:20

Viral vaccines

Ricardo Galler – Biomanguinhos, Fundação Oswaldo Cruz

10:20 - 11:00

The importance of angiogenesis and vascular heterogeneity in the development of new therapies

Ricardo José Giordano – Instituto de Química, Universidade de São Paulo

11:00 - 11:20

Coffee break

11:20 - 12:15	<p>Conference</p> <p>What synthetic biology can do for public health?</p> <p>Jack D. Newman – Amyris, Canadá</p>
12:00 – 13:00	<p>Interval</p>
13:00 – 15:00	<p>Poster Session III</p> <p>4. Immunology and Vaccines</p> <p>5. Microorganisms</p> <p>6. Biotechnology</p> <p>9. History, Education and Scientific Dissemination</p>
15:00 – 15:30	<p>Instituto Butantan Flashbacks</p> <p>From the cabinets of curiosities to the scientific collections of Instituto Butantan</p> <p>Camilla Carvalho, Fan Hui Wen, Roberto Henrique Pinto Moraes and Sávio Stefanini Sant’Anna - Instituto Butantan</p>
15:30 – 15:50	<p>Special Session</p> <p>In honor of Prof. Henrique Moisés Canter</p> <p>Giuseppe Puerto – Instituto Butantan</p>
15:50 – 16:30	<p>Young Scientist Award</p>
16:30 – 17:00	<p>Closing Session</p>