

WEDNESDAY, NOVEMBER 6, 2019

PRE-CONFERENCE

8:00 - 8:30 h **Accreditation Reception**

9:00 – 16:00 h	Workshop on Phytopharmaceutical Technology	Workshop Graduation in Pharmaceutical Sciences	INCT-NanoFarma Meeting
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MAIN CONFERENCE

16:00 - 18:45 h **Accreditation Reception**

ROOM RUBI/SAFIRA

19:00 - 19:15 h **Opening Ceremony**

**OPENING CONFERENCE**

19:15 - 20:15 h **Sílvia S. Guterres**, Federal University of Rio Grande do Sul, Brazil  
Four decades of pharmaceutical nanotechnology: has the promise been fulfilled?

20:15 - 21:30 h **Opening Cocktail**

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THURSDAY, NOVEMBER 7, 2019

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08:00 - 08:45 h **Accreditation Reception**

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ROOM RUBI/SAFIRA

**CONFERENCE**

09:00 - 10:00 h **Luiz Carlos Dias**, State University of Campinas – UNICAMP, Brazil  
Drug Discovery for the Most Neglected  
**Chair:** Paulo César Vieira

**THEMATIC SESSION**

***In vitro* Models – Revolution in Pharmacological Research?**

**Chairs:** Danielle Palma de Oliveira

10:30 - 11:10 h **Paula M. Alves**, iBET, NOVA University of Lisbon, Portugal  
Bioengineering the Next Generation of 3D Cell Models

11:10 - 11:50 h **Marize Campos Valadares**, Federal University of Goiás, Brazil  
Innovative *in vitro* solutions applied in investigations of inhalatory toxicity

11:50 - 12:30 h **Silvyta Stuchi Maria-Engler**, University of São Paulo-SP, Brazil  
From the cell plate to the patient: melanoma as a model

12:30 - 13:30 h **LUNCH**

**THEMATIC SESSION**

**Skin Aging: A Multifactorial Approach**

**Chair:** Patrícia M. B. G. Maia Campos

14:00 - 14:40 h **Céline Picard**, Université Le Havre, France  
Strategies to study the skin surface properties and anti-pollution effect of anti-aging formulations

14:40 - 15:20 h **Daiane Garcia Mercúrio**, L’Oreal, Brazil  
Age-related changes in skin properties: in vivo noninvasive evaluation methods and skin characterization of different populations

15:20 - 16:00 h **Waldiceu A. Verri Jr**, Londrina State University, Brazil  
Pro-resolution lipids in the control of UVB-induced skin inflammation and oxidative stress

16:00 - 16:30 h **COFFE-BREAK**

**CONFERENCE**

16:30 - 17:30 h **Paulo Roberto Bueno**, São Paulo State University / Araraquara, Brazil  
The state-of-the-art in molecular electrochemical immune- and affinity-sensor technologies  
**Chair:** Paulo César Vieira

**ORAL PRESENTATIONS**

**Chairs:** Fabiola A. de Castro e Ana Patrícia Yatsuda-Natsui

18:00 - 18:15 h Ana Carolina Costa et al., Gabapentin pharmacokinetics and renal excretion: the role of glycemic control and the drug transporters hOCTs, hOCTN1 and hMATEs.

18:15 - 18:30 h Flávia Lima et al, Retinoic acid loaded-nanostructured lipid carriers for acne treatment: development and clinical evaluation of skin safety

18:30 - 18:45 h Daiany da Silva et al., Antinociceptive and anti-inflammatory activity of cashew gum extract on Complete Freund’s Adjuvant-induced arthritis

18:45 - 19:00 h Thalita Riul et al., Lack of galectin-1 regulates leucocyte migration and production of reactive oxygen species and nitric oxide protecting mice against *Trypanosoma cruzi* infection

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THURSDAY, **NOVEMBER 7, 2019**

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ROOM ESMERALDA

**POSTER SESSION**

17:30 - 19:00 h **Posters number 1 to 157**

ROOM TOPÁZIO

**THEMATIC SESSION**

**New approaches to the therapy of inflammatory and autoimmune diseases**

**Chairs:** Sandra Y. Fukada Alves e Waldiceu A. Verri Jr.

10:30 - 11:10 h **Sergio Lira**, Icahn School of Medicine at Mount Sinai, USA  
New animal models to study neonatal inflammation

11:10 - 11:50 h **Ricardo M. Xavier**, Federal University of Rio Grande do Sul, Brazil  
Recent advances in the treatment of Rheumatoid arthritis

11:50 - 12:30 h **Charles H. Moura Castro**, Federal University of São Paulo, Brazil  
New developments in osteoimmunology: molecular pathogenesis of bone erosion in autoimmune arthritis

12:30 - 13:30 h **LUNCH**

**THEMATIC SESSION**

**Pharmaceutical Care: evaluation of clinical and economics outcomes**

**Chair:** Leonardo R. L. Pereira

14:00 - 14:40 h **Silvana Nair Leite**, Federal University of Santa Catarina, Brazil  
Why, when and how to implement qualitative research methods in pharmaceutical care

14:40 - 15:20 h **Alexander Itria**, Federal University of São Carlos, Brazil  
The use of pharmacoeconomic tools in pharmaceutical care decision making

15:20 - 16:00 h **Maria Teresa Herdero**, University of Aveiro, Portugal  
The patient centered approach to medication management

16:00 - 16:30 h **COFFE-BREAK**

**MEETING**

18:00 - 19:00 h **Graduate Program Coordinators Meeting**

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FRIDAY, NOVEMBER 8, 2019

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08:00 - 08:45 h **Accreditation Reception**

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ROOM RUBI/SAFIRA

**CONFERENCE**

09:00 - 10:00 h **Richard D. Cummings**, Harvard Medical School, USA  
How Carbohydrates Regulate Leukocyte Trafficking Pathways and the Translational Opportunities  
**Chair:** Marcelo D. Baruffi

**THEMATIC SESSION**

**Developing Biopharmaceuticals to Face Human Diseases**

**Chair:** Elisa M. de Sousa Russo

10:30 - 11:10 h **Ana Maria Moro**, Butantan Institute, Brazil  
Monoclonal antibodies to treat different health conditions

11:10 - 11:50 h **Thiago Mares Guia**, Bionovis, Brazil  
Pharmaceutical Biotechnology in Brazil: are we going to be relevant?

11:50 - 12:30 h **Bruno Sarmento**, University of Porto, Portugal  
Functionalized nanomedicines for the disruptive intestinal delivery of anti-diabetic peptides

12:30 - 13:30 h **LUNCH**

**THEMATIC SESSION**

**Photodynamic Treatment: mechanisms of action and applications for cancer treatment and microorganism control**

**Chair:** Marcia Regina von Zeska Kress

14:00 - 14:40 h **Mauricio Baptista**, University of São Paulo – SP, Brazil  
Intracellular localization of the Photodamage by photosensitized oxidations

14:40 - 15:20 h **Gilberto Ubida Leite Braga**, University of São Paulo – RP, Brazil  
Photodynamic inactivation of plant-pathogenic fungi

15:20 - 16:00 h **Ricardo Bentes de Azevedo**, University of Brasilia, Brazil  
Lipid-based nanomedicine for metastatic ovarian cancer

16:00 - 16:30 h **COFFE-BREAK**

**CONFERENCE**

16:30 - 17:30 h **Pedro P. G. Guimarães**, Federal University of Minas Gerais, Brazil  
Barcoded Nanoparticles for *In Vivo* Delivery Screening  
**Chair:** Fabiana T. M. de Carvalho Vicentini

**ORAL PRESENTATIONS**

**Chairs:** Sandra Y. Fukada Alves e Lusânia M. Greggi Antunes

18:00 - 18:15 h Karoline Soares de Freitas et al., Protective effect of brazilian red propolis on doxorubicin-induced chromosomal damage

18:15 - 18:30 h Guilherme Gelfuso et al., Oxaliplatin-loaded chitosan nanoparticles as strategy for topical treatment of oral tumor

18:30 - 18:45 h Maira Rossato, Chemical identification of basil essential oil and its toxic action on *Aedes aegypti* larvae.

18:45 - 19:00 h Thaís Moré Milan et al., Epigenetic reprogramming and cancer stem cells accumulation in oral carcinoma cell lines resistant to cisplatin.

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FRIDAY, NOVEMBER 8, 2019

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ROOM ESMERALDA

**POSTER SESSION**

17:30 - 19:00 h **Posters number 158 to 316**

ROOM TOPÁZIO

**MEETING**

8:00 - 9:00 h **CRS Brazilian Local Chapter Assembly**

**THEMATIC SESSION**

**Immunological-based approach: a powerful shield against cancer**

**Chair:** Fabiola A. de Castro

10:30 - 11:10 h **Jose Alexandre M. Barbuto**, University of São Paulo – SP, Brazil  
Functional reprogramming of cancer patients' dendritic cells: a potentially effective therapeutic strategy

11:10 - 11:50 h **Renato José M. Natalino**, Fleury Laboratory, Brazil  
Oncotype: resultados do estudo TAILORx

11:50 - 12:30 h **Veysel Kayser**, University of Sydney, Australia  
Development of next generation antibody-based biologics

12:30 - 13:30 h **LUNCH**

**THEMATIC SESSION**

**Expanding the horizons of the drug discovery: from molecular simulations to machine learning and deep learning in pharmaceutical sciences**

**Chair:** Catherine Etchebest, Institut National de la Santé et de la Recherche Médicale and Université Paris-Diderot, France

14:00 - 14:40 h **Adrian Gustavo Turjanski**, University of Buenos Aires, Argentina  
Computational Drug Design in the Genomics Era

14:40 - 15:20 h **Gerard Wong**, University of California, USA  
Physics and chemistry meet immunity and autoimmunity

15:20 - 16:00 h **Gustavo Trossini**, University of São Paulo – SP, Brazil  
Strategies of Virtual Screening and machine learning in the selection of Sirtuin 2 inhibitors as new antichagasic candidates

16:00 - 16:30 h **COFFE-BREAK**

**MEETING**

18:00 - 19:00 h **ABCF Assembly**

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SATURDAY, NOVEMBER 9, 2019

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08:00 - 08:45 h **Accreditation Reception**

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ROOM TOPÁZIO

**THEMATIC SESSION**

**Cannabinoids: from pot to pills**

**Chair:** Sandra Y. Fukada Alves

09:00 - 09:40 h **Francisco S. Guimarães**, University of São Paulo - RP, Brazil  
A cannabidiol fluorinate derivative in neuropathic pain

09:40 - 10:20 h **Sabrina F. de S. Lisboa**, University of São Paulo - RP, Brazil  
Potential therapeutic application of cannabidiol to mitigate the persistence of aversive memories

10:20 - 11:00 h **Natercia Aurora Teixeira**, University of Porto, Portugal  
Cannabinoids in cancer: where we stand

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ROOM RUBI/SAFIRA

**THEMATIC SESSION**

**Pharmaceutical and Food Sciences – an integrative approach targeting high-value products**

**Chairs:** Paulo César Vieira

09:00 - 09:40 h **Stephen O. Duke**, United States Department of Agriculture, USA  
Natural compounds in pesticide discovery

09:40 - 10:20 h **Maria Fátima G. F. da Silva**, Federal University of São Carlos, Brazil  
Old drug for humans repurposed to rapid development of agricultural defensives

10:20 - 11:00 h **Francisca Rodrigues**, University of Porto, Portugal  
Valorization of food by-products for cosmetic purposes

**CLOSING CONFERENCE**

11:00 - 12:00 h **Monica T. Pupo**, University of São Paulo - RP, Brazil  
Rethinking and Reconsidering Natural Products in Drug Discovery  
Chair: Flavio S. Emery

12:00 - 12:15 h **Closing Ceremony & Awards**

ESMERALDA

**REFRESHMENT**

12:00 - 12:30 h