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Graduate Program in Pharmacology and Medicinal Chemistry  
<https://www.ppgfqm-icbufrj.org/>  
Institute of Biomedical Sciences (ICB)  
Federal University of Rio de Janeiro (UFRJ)

## III INTERNATIONAL SYMPOSIUM OF PHARMACOLOGY AND MEDICINAL CHEMISTRY (ISPMcC)

December 1-3, 2021

**Wednesday, December 1<sup>st</sup> 2021**

**9:30 h- 10:00 h**

**Opening Ceremony**

**10:00 – 12:00 h**

**Thematic Section: Drug Discovery**

Chair: Full Professor Eliezer J. Barreiro (ICB, UFRJ)

<https://orcid.org/0000-0003-1759-0038>

**Lecture 1** – “Drug discovery: the experience of the Tübingen Center for Academic Drug Discovery”

**Speaker: Dr. Stefan Laufer**

Full Professor of Pharmaceutical and Medicinal Chemistry at Tübingen University.

Chair – Dr. Floriano Paes Silva Junior (LaBECFAr, Fiocruz)

<https://orcid.org/0000-0003-4560-1291>

**Lecture 2** – “Mechanism of praziquantel action at a parasitic flatworm ion channel”

**Speaker: Dr. Thomas Spangenberg**

Head of Global Health Open Innovation & Drug Discovery, Global Health Institute, Merck.

**12:00 -14:00h**

**Lunch**

**15:00 – 17:00h**

**Thematic Section: Highlights in Molecular Pharmacology**

Chair: Associate Professor Josiane S. Neves (ICB, UFRJ)

<https://orcid.org/0000-0002-6645-1715>

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**Lecture 1** – “Targeting chemokine receptor CCR2 - From insurmountable antagonists to affinity-based probes”

**Speaker: Dr. Laura Heitman**

Division of Drug Discovery and Safety, Leiden, Netherlands.

Chair Dr. Patrícia M. R. S. Martins (IOC, Fiocruz)

<https://orcid.org/0000-0002-6613-9000>

**Lecture 2** – “From Resolution of inflammation to Resolution Pharmacology”

**Speaker: Dr. Mauro Perretti**

William Harvey Research Institute, UK

**Thursday, December 2<sup>nd</sup> 2021**

**10:00 – 12:00 h**

**Thematic Section: Highlights in Medicinal Chemistry**

Chair: Full Professor Carlos Alberto M. Fraga (ICB-UFRJ)

<https://orcid.org/0000-0001-6733-7079>

**Lecture 1** – “Open science collaboration to further infectious disease research”

**Speaker: Dr. Benjamin Perry**

Discovery Open Innovation Leader. Drugs for Neglected Disease Initiative (DNDi), Geneva, Switzerland.

Chair: Dr. Núbia Boechat (Farmanguinhos, Fiocruz)

<https://orcid.org/0000-0003-0146-2218>

**Lecture 2** – “A multi-pronged approach to fast track the development of antivirals targeting the main protease of SARS-CoV-2”

**Speaker: Dr. Martin Walsh**

Diamond Light Source (DLS), Harwell Science and Innovation Campus in Oxfordshire, UK.

**12:00 – 14:00 h**

**Lunch**

**14:00 – 16:00 h**

**Flash communication**

Chair: Full Professor Patrícia Dias Fernandes  
(ICB, UFRJ)

<https://orcid.org/0000-0001-6870-6745>

Student 1 (3 ou 5 min)

Student 2 (3 ou 5 min)

Student 3 (3 ou 5 min)

Discussion (15 minutes)

Student 4 (3 ou 5 min)

Student 5 (3 ou 5 min)

Student 6 (3 ou 5 min)

Discussion (15 minutes)

Chair: Associate Professor Cláudia Lucia  
Martins da Silva (ICB, UFRJ)

<https://orcid.org/0000-0001-9227-6036>

Student 7 (3 ou 5 min)

Student 8 (3 ou 5 min)

Student 9 (3 ou 5 min)

Discussion (15 minutes)

Student 10 (3 ou 5 min)

Student 11 (3 ou 5 min)

Student 12 (3 ou 5 min)

Discussion (15 minutes)

**16:20 – 17:00h**

**PPGFQM Best Thesis Diploma Award**

Chair: Full Professor Gisele Zapata Sudo  
(ICB, UFRJ)

<https://orcid.org/0000-0002-9066-5027>

**Speaker:** Dr Marina de Moraes Carvalho da  
Silva (PhD, PPGFQM, ICB, UFRJ)

**Title:** Association of pde5 inhibitor with  
mesenchymal cell reverses dysfunctions  
cardiopulmonary in the model of pulmonary  
arterial hypertension in rats.

**Friday December 3<sup>rd</sup> 2021**

**10:00-12:00h**

**Thematic Section: Highlights in Molecular Pharmacology**

Chair: Full Professor François G. Noël  
(ICB, UFRJ)

<https://orcid.org/0000-0001-6813-1347>

**Lecture 1** – “The role of GPCR oligomers as targets for drug development in neuropsychiatric disorders”

**Speaker:** Sergi Ferré

National Institute of Drug Abuse, USA.

Chair: Associate Professor Lucienne da Silva Lara Morcillo (ICB, UFRJ)

<https://orcid.org/0000-0002-2204-8799>

**Lecture 2 – To be announced**

**Speaker:** Rhian Touyz

Institute of Cardiovascular & Medical Sciences,  
Glasgow, UK.

**12:00-14:00h**

**Lunch**

**14:00 – 15:50h**

**Flash communication**

Chair: Assistant Professor João Alfredo de Moraes (ICB, UFRJ)

<https://orcid.org/0000-0002-8563-6432>

Student 1 (3 min)

Student 2 (3 min)

Student 3 (3 min)

Student 4 (3 min)

Student 5 (3 min)

Discussion (15 minutes)

Chair: Assistant Professor Gilda A. Neves (ICB, UFRJ)

<https://orcid.org/0000-0002-7027-3851>

Student 6 (3 min)

Student 7 (3 min)

Student 8 (3 min)

Student 9 (3 min)

Student 10 (3 min)

Discussion (15 minutes)

Chair: Associate Professor Newton G. Castro (ICB, UFRJ)

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<https://orcid.org/0000-0001-9570-7428>

Student 11 (3 min)

Student 12 (3 min)

Student 13 (3 min)

Student 14 (3 min)

Student 15 (3 min)

Discussion (15 minutes)

Student 16 (3 min)

Student 17 (3 min)

Student 18 (3 min)

Discussion (10 minutes)

**16:00 – 17:00 h**

**Closing Lecture (Sérgio Henrique Ferreira Conference):** "The discovery of selective P2Y<sub>2</sub> receptor antagonists"

Chair: Full Professor Lídia Moreira Lima (ICB, UFRJ)

<https://orcid.org/0000-0002-8625-6351>

**Speaker: Dr. Michael Stocks**

Professor of Medicinal Chemistry and Drug Discovery, Faculty of Science, University of Nottingham, UK.