



PPGQ

Programa de Pós-Graduação em Química



BIOSYNTHESIS COURSE

ADVANCES IN THE BIOSYNTHESIS OF NATURAL PRODUCTS

REGISTRATION UNTIL 20/05/2019 through Email: eventospnufscar@gmail.com

Data:

22-23/05/2019; 9:00 – 12:00 h

Bernd Schneider, Max-Planck-Institute for Chemical Ecology, Jena (Germany)

May 22: Techniques used to study biosynthetic and metabolic pathways

09:00: Miniaturization in NMR; hyphenation methods

10:30: Isotopic labeling

May 23: Examples

09:00: Biosynthesis of phenylphenalenones

10:30: Biosynthesis of nudicaulins and other natural products

May 24: Examples

14:00 – 17:30: Examples at **Keynote on Biosynthesis for Drug Discovery**

KEYNOTE ON BIOSYNTHESIS FOR DRUG DISCOVERY

24/05/2019

Program

14:30-15:00: **Adriana A. Lopes**, Universidade de Ribeirão Preto – UNAERP.

Title: Unnatural spirocyclic oxindole alkaloids biosynthesis in *Uncaria* species

15:00-15:30: **Taifo Mahmud**, Dept. of Pharmaceutical Sciences, Oregon State University (USA).

Title: Exploring Biochemical Diversity in Natural Products Biosynthesis.

15:30-16:00: **Keylla Utherdyany Bicalho**, IQ-UNESP-Araraquara.

Title: Integrating transcriptomics and metabolic engineering reveals novel insights in the biosynthesis of quinonemethide triterpenes.

16:00-16:30: Coffee Break

16:30-17:00: **Bernd Schneider**, Max-Planck-Institute for Chemical Ecology Jena (Germany).

Title: Biosynthesis of ecological and pharmacological relevant natural products.

17:00-17:30: Discussions

17:30: Closing cocktail