

» Cooperation with Brasil

Partners

Prof. Dr. Hans-Ulrich Humpf
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Prof. Dr. Norberto Peporine Lopes
University of São Paulo, USP Dept.
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Ribeirão Preto
Av. do Café, s/nº.
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Exchange of PhD Students

Guilherme Julião Zocolo
PhD-Student, Institute of Chemistry,
Universidade Estadual Paulista
Period: September 15th 2009
to December 15th 2009
Topic: Enhancement of determination of
soy isoflavones in river water and
evaluation of their bioavailability

Leandro De Santis Ferreira
PhD-Student, School of Pharmaceutical
Sciences at Ribeirão Preto,
University of São Paulo
Period: May 3rd 2010 to August 31st 2010
Topic: Intestinal metabolism and mass
spectrometric fragmentation of flavonoids

Seminars

Mass Spectrometry Seminar (20 hours)
by Prof. Dr. Norberto Peporine Lopes
(University of Sao Paulo)
Period: January 23rd 2009 to
February 5th 2009

Interest/Topic

Both groups are interested in secondary metabolites of plants (e.g. flavonoids, pro-cyanidins). These compounds are found in many fruits and are well known for their antioxidative properties. Furthermore *in vivo* and *in vitro* studies support the role of polyphenols in the prevention of cardiovascular diseases, cancer, neurodegenerative diseases, diabetes or osteoporosis.

The main interests of both groups are the intestinal metabolism, bioavailability and health effects of these compounds. Of further interest is the structure elucidation of the target compounds as well as metabolites using mass spectrometric techniques.



Visit of Prof. Humpf in Brasil: 2nd Brazilian Conference on Natural Products 2009. Picture shows Prof. Humpf together with Prof. Lopes and his working group



Trip of the group of Prof. Humpf to the German Alps with Guilherme Julião Zocolo (2009)



Guilherme Julião Zocolo (left) hiking in the German Alps (2009)



Leandro De Santis Ferreira with Prof. Humpf in the laboratory (2010)