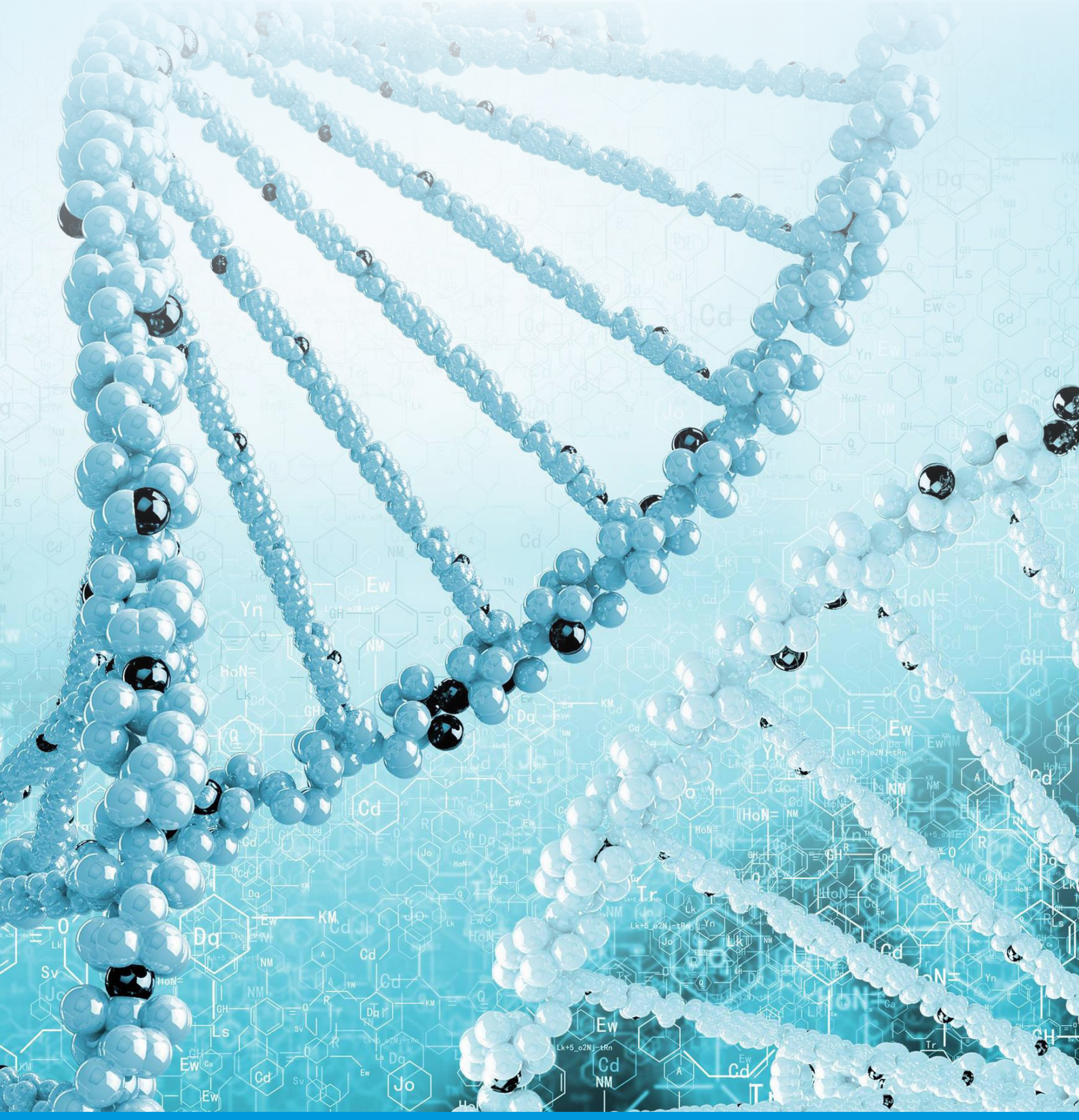
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International Conference on

Stereochemistry

August 18-19, 2016 Sao Paulo, Brazil

Scientific Program



Day 1 August 18, 2016

08:00-09:00 Registrations

Lorangerie 1

conferenceseries.com 09:45-10:15 **Opening Ceremony**

Keynote Forum

Introduction

10:15-10:45 **Title: Effect of urea on ion pair formation. The hydrophilic urea effect**
Mário José Politi, University of Sao Paulo, Brazil

10:45-11:15 **Title: Stereoselective synthesis of (-)-podophyllotoxin and related lignans through the photocyclization of an axially chiral 3,4-bisbenzylidene succinate amide esters**
Zbigniew Czarnocki, University of Warsaw, Poland

Group Photo

Networking and Refreshment Break 11:15-11:35 @ Foyer Versailles

Sessions:

Novel Chemistry & Drug Discovery | 3D Chemistry | Biochemistry & Molecular Biology

Session Chair: Mário José Politi, University of Sao Paulo, Brazil

Session Co-Chair: Nicolás A Rey, Pontifical Catholic University of Rio de Janeiro, Brazil

Session Introduction

11:30-12:00 **Title: Catalytic asymmetric synthesis of biologically active natural products**
Takumi Watanabe, Institute of Microbial Chemistry, Tokyo

12:00-12:30 **Title: Determination of the rotational barrier of divanillin enantiomers by density functional theory (DFT) calculations and docking computer simulation of the complex with bovine serum albumin (BSA)**
Aguinaldo R de Souza, Univerisidade Estadual Paulista - UNESP, Brazil

12:30-13:00 **Title: Applications of Sharpless asymmetric dihydroxylation in total synthesis of natural product**
Majid M Heravi, Alzahra University, Iran

Lunch Break 13:00-14:00 @ Aquarelle

Drug Action & Metabolism | Stereoisomerism and Associated Concepts | Inorganic Chemistry

14:00-14:30 **Title: Regio- and stereospecific hydroxylation reactions catalyzed by human cytochrome P450 enzymes**
Matthias Bureik, School of Pharmaceutical Science and Technology (SPST) Tianjin University, China

14:30-15:00 **Title: residual chemical shift anisotropy (RCSA) and residual dipolar coupling (RDC): Tools for structural analyses of small molecules**
Fernando Hallwass, Federal University of Pernambuco, Brazil

15:00-15:30 **Title: Regio and stereoselectivity in 1,3-dipolar cycloadditions: Activation strain analyses for reactions of hydrazoic acid with substituted alkenes**
Felipe de Souza, Universidade Federal Fluminense, Brazil

Networking and Refreshment Break 15:45-16:05 @ Foyer Versailles

Panel Discussion

Day 2 August 19, 2016

Lorangerie 1

Session:

Chemical Engineering | Stereogenic Center or Stereocenter | Supramolecular Chemistry

Session Chair: Zbigniew Czarnocki, University of Warsaw, Poland

Session Co-Chair: Nicolás A. Rey, Pontifical Catholic University of Rio de Janeiro, Brazil

Session Introduction

10:10-10:40 **Title: Stereoselective synthesis of selected important nitrogen heterocycles**
Zbigniew Czarnocki, University of Warsaw, Poland

10:40-11:10	**Title: Stereochemistry and Inorganic Medicinal Chemistry** **Nicolás A Rey,** Pontifical Catholic University of Rio de Janeiro, Brazil
	Networking and Refreshment Break 11:15-11:35 @ Foyer Versailles
11:35-12:05	**Title: Friedel-crafts reactions of benzylic phosphates: Access to polyarylated alkanes at room temperature** **Manab Chakravarty,** Birla Institute of Technology and Sciences, India
12:05-12:35	**Title: O_2 reduction at mn4 macrocyclic complexes pentacoordinated through pyridine grafted on carbon nanotubes** **Federico Tasca,** Universidad de Santiago de Chile, Santiago, Chile
12:35-13:05	**Title :Simple Brønsted acids as bi-functional catalysts in stereospecific nucleophilic substitution of stereogenic alcohols and direct nucleophilic substitution of aryl methy ethers and phenols** **Srijit Biswas,** Centre of Bio-Medical Research, India
	Lunch Break 13:05-14:00 @ Aquarelle
	Session: **Carbon Nanotubes | Enzymology & 3D Structured Molecules**
14:00-14:30	**Title: Sugar stereochemistry effects on water structure and on protein stability: the templating concept** **Yoav D Livney,** Israel Institute of Technology, Israel
14:30-15:00	**Title: The influence of [r(ho)sio]4 stereoisomers structure on the conformation of the polyorganosilsesquioxanes unit in the polycondensation reaction** **Nataliya Makarova,** Russian Academy of Sciences, Russian Federation
15:00-15:30	**Title: Organocatalytic atroposelective synthesis of functionalized biaryls and stereospecific n-h aziridination of olefins** **Laszlo Kurti,** Rice University, USA
	Networking and Refreshment Break 15:30-15:50 @ Foyer Versailles
15:50-16:20	**Title: The elaboration of polyketide natural products with artificial building blocks: A combination of organic and microbial synthesis** **Frank Schulz,** Ruhr-Universitaet Bochum, Germany
16:20-16:50	**Title: Recent advances in asymmetric organocatalytic Staudinger synthesis of β-lactams** **Plato A Magriotis,** University of Patras, Greece
16:50-17:20	**Title: New developments in Bio-hybrid mediated catalysis: to a wider synthetic applicability of oligonucleotides as universal chiral scaffolds** **Nicolas Duchemin,** Noxxon Pharma AG, Germany
	Panel Discussion
	Award & Closing ceremony

Bookmark your dates

5th International Conference on

Medicinal Chemistry & Computer Aided Drug Designing

December 05-07, 2016 Phoenix, USA

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