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The stars of Giotto and the Gattamelata by Donatello

<http://www.chimica.unipd.it/spin-2017/>

TOPICS:

- Synthesis, structure, and properties
- Spin labeling, probing, and spin trapping
- Magnetic spectroscopies
- Structural and dynamical aspects
- Applications (medicine, biology, chemistry)
- Nitroxides for imaging
- NO• biochemistry
- Applications in material science
- Supramolecular systems and molecule-based magnets

Dear Colleague,

the Organizing Committee is pleased to invite you to the **8-th Spin Conference on Nitroxides, 10-14 September 2017**, held in the magnificent scenario of the *Orto Botanico* (botanical garden) of the **University of Padova, Italy**. It is the major international appointment, held every three years, devoted to **Nitroxides** and **Spin Traps**.

It is an occasion for the most prestigious scientists in the field to present their studies and gather for stimulating inter-field exchanges of ideas and opinions.

INVITED SPEAKERS:

Vincenzo Barone, Scuola Normale di Pisa (Italy)

Theoretical microscopic approach for the study of structural, dynamic, electronic and spectroscopic properties of complex systems, in particular nitroxides in complex environments

Jack Freed, ACERT, Cornell University (USA)

New EPR spectroscopical tools to study structure and dynamics in chemical and biological systems

Valery Khrantsov, West Virginia University (USA)

Multifunctional in vivo EPR-based spectroscopy and imaging of cancer

Yukio Nagasaki, Tsukuba University (Japan)

Novel Antioxidative Nanotherapeutics by Nitroxide-radical Containing Polymer Nanoparticles

Olivier Ouari, Aix-Marseille University (France)

Synthesis and magnetic properties of dinitroxides as polarizing agents for DNP

Snorri Th. Sigurdsson, University of Iceland (Iceland)

Nitroxide spin labels for nucleic acids

Lev Weiner, Weizmann Institute (Israel)

Redox processes involving nitroxides in solution and in biological-related systems

KEYNOTE SPEAKERS:

Evgeny Tretyakov, SB Russian Academy of Sciences (Russia)

Breathing new life into nitronyl nitroxide chemistry for molecular design of magnets

Balaraman Kalyanaraman, Medical College of Wisconsin (USA)

Boronate probes for detection of reactive oxygen and nitrogen intermediates: Spin-trapping studies to elucidate the mechanisms

Kenji Matsuda, Kyoto University (Japan)

Decay Constant of Exchange Interaction between Organic Radicals Bridged by π -Conjugated Molecular Wires

Pierluigi Stipa, Marche Polytechnic University (Italy)

Spin Trapping - Synthesis and characterization of new nitroxides as antioxidant

Elena Golubeva, Moscow State University (Russia)

Impregnation of biodegradable polymers by nitroxides in supercritical CO₂ with theranostics purposes

Daniela Truzzi, São Paulo University (Brasil)

EPR studies of dinitrosyl iron complexes of thiol proteins

Enrica Bordignon, Ruhr University (Germany)

Protein structural investigations using nitroxide probes: from *in vitro* to in cellular context

Harold M. Swartz, Dartmouth College (USA)

Perspectives on *in vivo* Spin Trapping

The conference will also have **more than 30 oral presentations**, and **2 poster sessions**. A Poster Prize will be awarded and 3 posters will be selected for a brief oral presentation.

KEY DATES:

- **1st April:** Opening of Abstract submission and Registration
- **31st May:** Deadline for abstract submission
- **15th June:** Abstract notification
- **1st July:** Early Program
- **15th July:** Early Bird Registration deadline
- **31st August:** Late registration deadline
- **10th September:** Welcome Party with on-site registration

Registration fee*	before 15/7/2017	until 31/8/2017 or on-site
Academics	550 €	600 €
Students	350 €	400 €
Industrials	1000 €	1500 €
Accompanying Persons	150 €	200 €

*the fee covers all social events (including the social dinner), lunches, and coffee breaks.



The Orto Botanico and Sant'Antonio Basilica, as viewed from the Basilica of Santa Giustina

We are looking forward to seeing you in Padova

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