

P. WEINBERGER

**ECOSTBio: Sixth scientific
workshop: Lisboa, March 30-31, 2017**

Information package:

Introduction, Travel, Venue, Book
of Abstracts, List of Participants



Program of Lisbon Meeting

Wednesday March 29

all day Europe: Travel to Lisboa
20.00-23.30 Carcavelos city center: Informal dinner

Thursday March 30

08.30-09.00 Registration
09.00-09.15 Opening of the workshop
Session 1 (Hotel Riviera)
Chair: Grace Morgan
09.15-09.55 **Keynote lecture: E. Fortunato**
09.55-10.15 Scientific talk: P. Comba
10.15-10.35 Scientific talk: M. Srnec
10.35-10.40 GROUP PICTURE
10.40-11.10 Coffee + Poster session
11.10-11.30 Scientific talk: J. McGrady
11.30-11.50 Scientific talk: M. Cimpoesu
11.50-12.10 Scientific talk: S. Suarez
12.10-12.30 Scientific talk: Y. Garcia
12.30-14.30 Light lunch

Session 2 (Hotel Riviera)
Chair: Hans-Jörg Krüger
14.30-15.10 **Keynote lecture: C. Limberg**
15.10-15.30 Scientific talk: M. Orio
15.30-15.50 Scientific talk: D. de Sousa
15.50-16.10 Scientific talk: M. Feldt
16.10-16.30 Scientific talk: J. Isaac
16.30-17.10 Coffee + Poster session
17.10-17.30 Scientific talk: M. Melchor
17.30-18.30 Database discussion
20.00-23.30 Hotel Riviera: Conference dinner

Friday March 31

Session 3 (Hotel Riviera)
Chair: Peter Weinberger

08.30-09.10 **Keynote lecture: J. Simaan**
09.10-09.30 Scientific talk: B. Le Guennic
09.30-09.50 Scientific talk: M. Halcrow
09.50-10.10 Scientific talk: E. Fournier
10.10-10.40 Coffee + Poster session
10.40-11.00 Scientific talk: A. Carvalho
11.00-11.20 Scientific talk: M. Zlatař
11.20-11.40 Scientific talk: M. Desage-El Murr
11.40-12.00 Scientific talk: M. Sensi
12.00-12.20 Scientific talk: M. Ahlquist
12.20-14.20 Light lunch

Session 4 (Hotel Riviera)
Chair: Carole Duboc

14.20-15.10 **Invited lecture: P. Holland**
15.10-15.20 Closing of the workshop
16.10-16.20 WG meetings
16.20-17.30 MC meeting
20.00-23.30 Carcavelos city center: Informal dinner

Saturday April 1

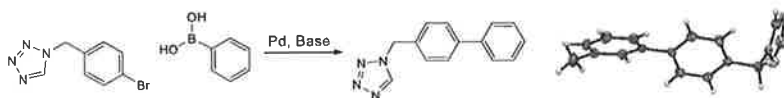
all day Europe: Travel back home

NEW SYNTHETIC PROTOCOLS FOR ARYL-SUBSTITUTED TETRAZOLES FOR Fe(II) SPIN-CROSSOVER COMPLEXES

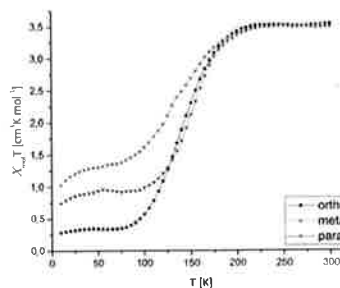
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Aiming for a deeper understanding of the different factors governing the spin transition behavior of Fe(II) SCO complexes we synthesized series of homologue complexes by systematic variation of the substituents of bridging N1-substituted di-tetrazole ligands of the respective iron(II) complexes^[1-5] as well as for mononuclear complexes based on terminal N1-substituted tetrazole ligands.^[6-8] But the classical synthetic pathway restricts the accessible substitution pattern considerable, therefore, new synthetic protocols based on either Suzuki-cross-coupling reactions of tetrazoles^[9] or Sonogashira coupling^[10] were developed. As one example the successful establishment of a new synthetic protocol based on the easy to prepare 4-bromobenzyl-1H-tetrazole using Suzuki-cross-coupling reactions is presented (see Scheme).



Several Fe(II) spin crossover complexes using series of homologous boron acids (e.g. o-, m-, p-CH₃ substituted) are prepared and their spin transition behavior is characterized and compared (see Fig.).



References:

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- 10) M. Seifried, C. Knoll, G. Giester, M. Reissner, D. Müller, P. Weinberger, *Magnetochem.*, **2016**, *2*, 1

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