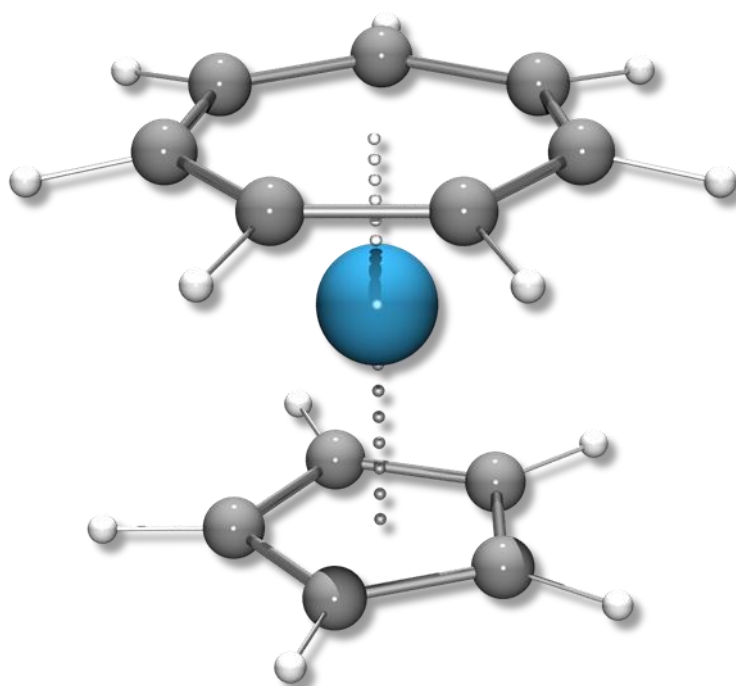




Technische
Universität
Braunschweig



10th Ferrocene Colloquium



February 15-17, 2012

Braunschweig



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Preface

Dear Participants,

in collaboration with the **Gesellschaft Deutscher Chemiker** (GDCh), we welcome you to the *10th Ferrocene Colloquium* at the Technische Universität Carolo-Wilhelmina zu Braunschweig, the oldest university of technology in Germany.

The Ferrocene Colloquium was established in 2003 to commemorate the synthesis of the iconic molecule ferrocene, Cp_2Fe , in 1951. In the last 60 years, ferrocene has inspired many scientists to pursue research in organometallic chemistry and to make use of this fascinating molecule for fundamental organometallic chemistry, materials science, catalysis and pharmaceutical applications. In this context the Ferrocene Colloquium provides an excellent platform for young scientists – PhD students, postdoctoral fellows and young faculty members – to present their latest research on ferrocene-related and organometallic chemistry. For the 10th Ferrocene Colloquium, we have invited renowned experts – Prof. Christophe Biot (Lille, France), Prof. Richard D. Ernst (Utah, USA), Prof. Dr. Sjoerd Harder (Groningen, The Netherlands) and Prof. Dr. Uwe Rosenthal (Rostock) – who show the versatility and vitality of this field.

In addition, we will have 24 oral contributions presented by young scientists and 64 posters covering every aspect from fundamental organometallic to bioinorganic chemistry. We are also happy to announce that the Major of Braunschweig will host a reception on Thursday at the Old City Hall in the Dornse, one of the most representative locations the city has to offer.

We are looking forward to interesting lectures, fruitful discussions and entertaining coffee breaks as well as evening events.

Matthias Tamm, Ingo Ott and Marc D. Walter

Previous Meetings

1st Ferrocene Colloquium
Kassel, Germany
January 14, **2003**

2nd Ferrocene Colloquium
Würzburg, Germany
February 16–17, **2004**

3rd Ferrocene Colloquium
Heidelberg, Germany
February 24–25, **2005**

4th Ferrocene Colloquium
Frankfurt a. M., Germany
February 25–26, **2006**

5th Ferrocene Colloquium
Kaiserslautern, Germany
February 25–27, **2007**

6th Ferrocene Colloquium
Prague, Czech Republic
February 9–11, **2008**

7th Ferrocene Colloquium
Düsseldorf, Germany
February 16–18, **2009**

8th Ferrocene Colloquium
Bochum, Germany
February 17–19, **2010**

9th Ferrocene Colloquium
Chemnitz, Germany
February 14–16, **2011**

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Schedule

	Wednesday, February 15	Thursday, February 16	Friday, February 17
09:00–09:50		I2	I4
09:50–10:10		R. Wolf	K. Kiss
10:10–10:30		T. P. Gerasimova	H. Bauer
10:30–11:00		Coffee Break	Coffee Break
11:00–11:20		S. Heintl	L. R. R. Klapp
11:20–11:40		B. O. A. Tasch	N. Meyer
11:40–12:00		C. Dietz	P. C. Kunz
12:00–12:20		M. Gallei	A. Gyömöre
11:00–13:45	Arrival & Registration	12:20–14:00	12:30–13:00
13:45–14:00	Opening Remarks	Lunch Break	Closing Remarks & Prizes
14:00–14:50	I1	I3	13:00
14:50–15:10	R. D. Ernst	C. Biot	Departure
15:10–15:30	A. Glöckner	A. Neidlinger	
	M. S. Inkpen	W. Hu	
15:30–16:00	Coffee Break	Coffee Break	
16:00–16:20	B. Bildstein	A. Mokhir	
16:20–16:40	A. Steffen	G. Gasser	
16:40–17:00	A. Reichert	K. Kowalski	
17:00–17:20	F. Strehler	F. Hessler	
19:00–22:00	Poster Session	Conference Dinner	

Schedule

Wednesday, February 15

11:00–13:45 **Arrival and Registration**

13:45–14:00 **Opening Remarks**

Chair: M. Walter

14:00–14:50 **R. D. Ernst** (University of Utah) **I1**
"Metal Pentadienyl Complexes: The Chemistry of Open Metallocenes and Related Species"

14:50–15:10 **A. Glöckner** (Technische Universität Braunschweig) **O1**
"Open indenyl: Introducing the indenyl effect to the pentadienyl chemistry"

15:10–15:30 **M. S. Inkpen** (Imperial College London) **O2**
"Synthesis of branched redox-active complexes for molecular electrons"

15:30–16:00 **Coffee Break**

Chair: K. Heinze

16:00–16:20 **B. Bildstein** (University of Innsbruck) **O3**
"N/O-Functionalized cycloheptatrienyl pentamethylcyclopentadienyl ruthenium and iridium sandwich complexes"

16:20–16:40 **A. Steffen** (Julius-Maximilians-Universität, Würzburg) **O4**
"2,5-Bis(Arylethynyl)-Rhodacyclopentadienes: Unprecedented Intense Fluorescence Denying the Presence of a Heavy Atom"

16:40–17:00 **A. Reichert** (Goethe-University, Frankfurt a.M.) **O5**
"Early Transition Metal Complexes of Ferrocenylhydride-borate Ligands"

17:00–17:20 **F. Strehler** (Chemnitz University of Technology) **O6**
"Ferrocenyl Nitrile Transition Metal Complexes"

17:00–19:00 **Poster Session**

Thursday, February 16

Chair: M. Scheer

09:00–09:50	U. Rosenthal (Leibniz Institute for Catalysis, Rostock) <i>"Metallocene-made Mad Metallacycles"</i>	I2
09:50–10:10	R. Wolf (University of Regensburg) <i>"Homoleptic Diphosphacyclobutadiene Sandwich Complexes"</i>	O7
10:10–11:30	T. P. Gerasimova (Kazan Scientific Centre of the Russian Academy of Sciences) <i>"DFT study of substitution effect on the geometry, IR spectra, spin state and energetic stability of the Ferrocenes and their pentaphospholyl analogues"</i>	O8

10:30–11:00	Coffee Break
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Chair: T. J. J. Müller

11:00–11:20	S. Heinl (University of Regensburg) <i>"Bulky Cp-ligands in phosphorus-based coordination chemistry"</i>	O9
11:20–11:40	B. O. A. Tasch (Heinrich-Heine-Universität, Düsseldorf) <i>"Sequentially Palladium-catalyzed Formation of Polyene-Systems in a One-Pot-Fashion"</i>	O10
11:40–12:00	C. Dietz (Technische Universität Dortmund) <i>"Novel chiral and achiral phosphorus-containing O,C-coordinating Ferrocene ligands and their organotin derivatives"</i>	O11
12:00–12:20	M. Gallei (Darmstadt University of Technology) <i>"Novel Ferrocene-Containing Block Copolymers"</i>	O12

12:20–14:00	Poster Session
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Chair: I. Ott

14:00–14:50	C. Biot (Université de Lille 1) <i>"The Therapeutic Potential of Ferrocene-Based Antimalarial Agents"</i>	I3
14:50–15:10	A. Neidlinger (Johannes Gutenberg-University, Mainz) <i>"Oxidation of N-ferrocenyl salicylamidate: phenoxyl or ferrocenium radical?"</i>	O13

15:10–15:30	W. Hu (Julius-Maximilians-Universität, Würzburg) <i>„Influence of the metal center and linker on the intracellular distribution and biological activity of half-sandwich organometal-peptide conjugates”</i>	O14
15:30–16:00	Coffee Break	
Chair: W. W. Seidel		
16:00–16:20	A. Mokhir (Ruprecht-Karls-University of Heidelberg) <i>„Aminoferrocene-based prodrugs activated by reactive oxygen species“</i>	O15
16:20–16:40	G. Gasser (University of Zurich) <i>“(Multi)-Ferrocene-Containing Peptide Nucleic Acid Bioconjugates”</i>	O16
16:40–17:00	K. Kowalski (University of Łódź) <i>„The synthesis, and in vitro anticancer activity studies of 3-chloropropionylferrocenes and acryloylferrocenes”</i>	O17
17:00–17:20	F. Hessler (Charles University in Prague) <i>“Synthesis of Ferrocenestrone”</i>	O18
19:00	Conference Dinner	

Friday, February 17

Chair: P. Stepnicka		
09:00–09:50	S. Harder (Stratingh Inst. for Chemistry, Netherlands) <i>"Early Main Group Metallocenes: From Sandwich Complexes to Applications"</i>	I4
09:50–10:10	K.Kiss (Eötvös Loránd University, Budapest) <i>“Novel C₂-chiral diferrocenyl-salen-complexes”</i>	O19
10:10–11:30	H. Bauer (Technical University of Kaiserslautern) <i>“Cyclopentadienyl Iron (III) Complexes A New Type of Highly Reactive Compounds?”</i>	O20
10:30–11:00	Coffee Break	

Chair: D. Kunz

11:00–11:20	L. R. R. Klapp (University of Kassel) <i>“Coordination chemistry of ferrocene-based bis(guanidine) ligands”</i>	O21
11:20–11:40	N. Meyer (Bergische Universität Wuppertal) <i>“Ferrocene as bridging ligand for gold”</i>	O22
11:40–12:00	P. C. Kunz (Heinrich-Heine-Universität, Düsseldorf) <i>“Gold(I) Catalysts with Bifunctional P,N Ligands”</i>	O23
12:00–12:20	A. Gyömöre (Eötvös Loránd University, Budapest) <i>“Planar chiral ferroceno[d]pyridazinone derivatives: synthesis and structural considerations”</i>	O24
12:20–13:00	Closing Remarks & Prizes	
13:00	Departure	