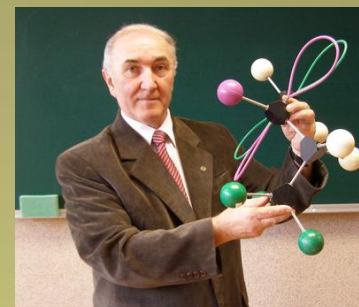
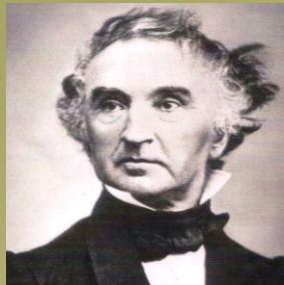


Liebig-Lectureship

Der Liebig-Vereinigung für Organische Chemie
In der Gesellschaft Deutscher Chemiker
December 2012



Prof. Grzegorz Mloston
University of Lodz (Poland)

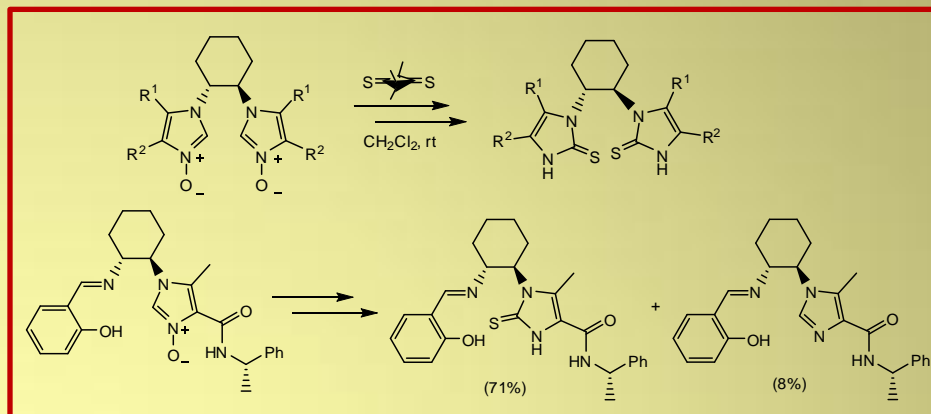
Three Excursions into the World of Organic Chemistry of Sulfur

Main streams of the research work performed in the group chaired by Prof. G. Mloston relate to the chemistry of heterocyclic systems, organic chemistry of sulfur compounds, fluorine containing organic compounds, reactive intermediates, and diverse problems of asymmetric catalysis.

The three parts of the presented lecture will cover the following topics:

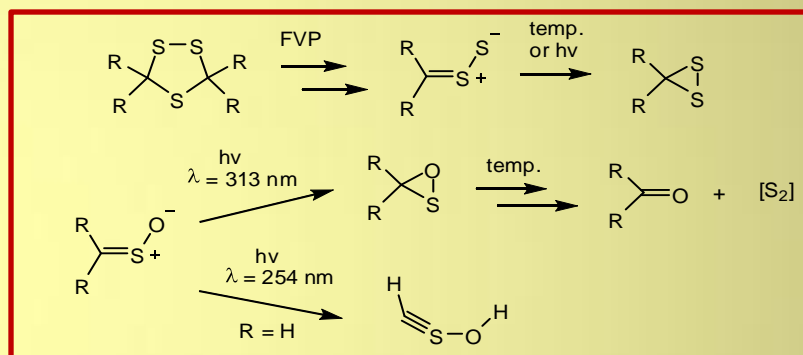
I. From Azole N-Oxides to Azole Thiones via 'Sulfur-transfer Reaction' with a Cycloaliphatic Thioketone

Published work: *Helv. Chim. Acta*, **1998**, 81, 1585; *Tetrahedron*, **2000**, 56, 5405; *Tetrahedron: Asymmetry*, **2008**, 19, 1600; *Helv. Chim. Acta*, **2008**, 91, 1916; *Tetrahedron: Asymmetry*, **2011**, 22, 669; *Helv. Chim. Acta*, **2011**, 94, 1764.



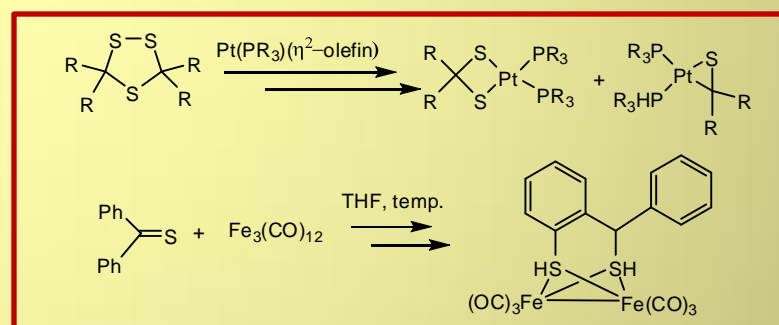
II. Three-membered Heterocycles with Two Heteratoms Including Sulfur

Published work: *Angew. Chem., Int. Ed. Engl.*, **2001**, 40, 393; *Eur. J. Org. Chem.*, **2006**, 3721; *Eur. J. Org. Chem.*, **2008**, 2998; *Angew. Chem. Int. Ed.*, **2009**, 48, 8133; *J. Am. Chem. Soc.*, **2010**, 132, 7240; *Eur. J. Org. Chem.*, **2010**, 2132; *Eur. J. Org. Chem.* **2011**, 6269; *Phosphorus, Sulfur, Silicon*, **2011**, 186, 1175 (review).

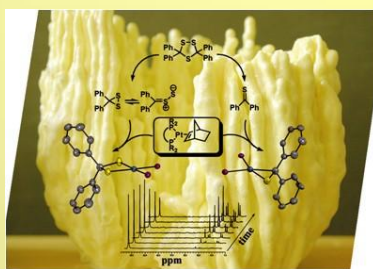
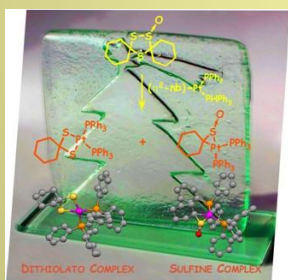


III. Syntheses of Pt-Complexes and [Fe,Fe]Hydrogenase Models from 1,2,4-Trithiolanes and Aromatic Thioketones

Published work: *Chem. Eur. J.*, **2006**, 12, 8090; *Eur. J. Inorg. Chem.*, **2007**, 4462; *Eur. J. Inorg. Chem.*, **2007**, 5627; *Eur. J. Inorg. Chem.*, **2009**, 3545; *Eur. J. Inorg. Chem.*, **2010**, 3636; *Eur. J. Inorg. Chem.*, **2011**, 349; *Eur. J. Inorg. Chem.* **2012**, 318; *Asian J. Org. Chem.*, **2012**, 7, 1383.



Two cover pictures prepared in 2007 and 2009 for *Eur. J. Inorg. Chem.* demonstrate selected problems of Pt-complexes formation.



Dr. Grzegorz Mloston received the Professor Title in 1998, and since 2003 chairs the Department of Organic & Applied Chemistry at the University of Lodz (Poland). Between 2009 and 2012 he occupied the position of the President of the local branch of Polish Chemical Society in Lodz. In 2012 he was elected as the Dean of the Faculty of Chemistry. Three most relevant postdoctoral stays he spent as an associate in research groups at the University of Munich (A. Humboldt Fellow, group of Prof. Rolf Huisgen), the University of Southern California (group of Prof. George A. Olah), and the University of Zurich (group of Prof. Heinz Heimgartner). Since many years he actively participates on the 'Giessen-Lodz Partnerschaft' Project, which is supported by DAAD. Prof. G. Mloston is a member of the International Advisory Boards of *Phosphorus, Sulfur, and Silicon*, *Journal of Sulfur Chemistry*, and *Letters in Organic Chemistry*. The list of his publications consists of 245 original papers, 24 reviews, and 6 patents. His activities include also translations of books and articles from German into Polish.

Monday,
Tuesday
Wednesday
Thursday
Monday
Tuesday

December 10th
December 11th
December 12th
December 13th
December 17th
December 18th

Freie Universität Berlin
Technische Universität Chemnitz
Technische Universität Dresden
Friedrich-Schiller-Universität Jena
Ludwig-Maximilians-Universität München
Justus-Liebig-Universität Giessen



Die Liebig-Vereinigung für Organische Chemie richtete 1999 eine Vortragsreihe – die Liebig-Lectureship – für herausragende ausländische Vertreter der organischen Chemie ein. Diese Vorträge führen die damit Ausgezeichneten an fünf oder mehr Forschungsinstitute ihrer Wahl. Die vorherigen Inhaber der Liebig-Lectureship waren:

1999 Prof. Philippe Renaud, Univ. Lausanne, Switzerland
2000 Prof. Varinder K. Aggarwal, Univ. of Sheffield, UK
2001 Dr. David M. Hodgson, Oxford University, UK
2002 Prof. Carolyn Bertozzi, Univ. of California, Berkeley, USA
2003 Dr. Guy Lloyd-Jones, University of Bristol, UK
2004 Dr. Jieping Zhu, CNRS Gif-sur-Yvette, France

2005 Prof. Robert Madsen, Danmarks TU, Lyngby, Denmark
2006 Prof. Dr. Antonio Echavarren, Inst. Chem. Res., Taragona, España
2007 Prof. Dr. Karl J. Hale, Queen's University of Belfast, UK
2008 Dr. Paolo Melchiorre, University of Bologna, Italy
2009 Prof. Dr. Karl Gademann, EPFL, Lausanne, Switzerland
2010 Prof. Dr. Valentin Ananikov, RAS, Moscow, RF
2011 Prof. Veronique Gouverneur, Oxford University, UK