

Mark the date on your calendar.

JULY 2016							1	2	
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAURDAY			
3	4	5	6	7	8	9			
10	11	12	13	14	15	16			
17	18	19	20	21	22	23			
24	25	26	27	28	29	30			
31	July Holidays Independence Day - 4								

Biometals2016

July 10 -15, 2016
Dresden, Germany

Join us at the 10th International Biometals Symposium

There will be presentations of new results, collegial discussions and student awards. Friendships will be renewed and collaborations may be formed. Learn and become connected with others.



Gerhard Geipel



Katrin Viehweger

An interdisciplinary conference exploring metals in Biology, Medicine and the Environment

This conference covers metal interactions associated with animal, microbial and plant systems. Information for platform presentations and posters will be available soon.

Organizing Committee

Chairman: Gerhard Geipel, Institute of Resource Ecology Helmholtz-Zentrum, Dresden

Assisted by: Katrin Viehweger, Helmholtz-Zentrum, Dresden

Email: : g.geipel@hzdr.de

Remembering an earlier Biometals Symposium



5th International Biometals Symposium (Biometals 2006). Welches, Oregon, USA
Chairman of symposium was Jorge Crosa

BioMetals – An International Journal on the Role of Metal Ions in Biology, Biochemistry and Medicine

The journal **BioMetals**, founded as **Biology of Metals** in 1988 with Springer and later continued as **BioMetals**, is still the most known publishing medium for all kinds of metals in living organisms. It also informs researchers about various types of other meetings dealing with copper, zinc and other essential and toxic metals involved in the biochemistry of cells. **BioMetals** is the IBS's peer-reviewed journal.

Günther Winkelmann
Editor-in-Chief
BioMetals

Chemistry and Biology of Siderophores

Robert C. Hider and Xiaole Kong. 2010

Nat. Prod. Rep. 27:637-57. doi: 10.1039/b906679a.

Division of Pharmaceutical Science, King's College, London, SE1 9NH, UK. robert.hider@kcl.ac.uk

Abstract

Siderophores are compounds produced by bacteria, fungi and graminaceous plants for scavenging iron from the environment. They are low-molecular-weight compounds (500-1500 daltons) possessing a high affinity for iron(III) ($K_f > 10^30$), the biosynthesis of which is regulated by iron levels and the function of which is to supply iron to the cell. This article briefly describes the classification and chemical properties of siderophores, before outlining research on siderophore biosynthesis and transport. Clinically important siderophores and the therapeutic potential of siderophore design are described. Appendix 1 provides a comprehensive list of siderophore structures.

Handbook on the Toxicology of Metals, 4th edition

(editors Nordberg GF, Fowler BA and Nordberg M)

Elsevier

store.elsevier.com/product.jsp?isbn=9780444594532

Print Book ISBN :9780444594532

eBook ISBN :9780123973399

This multidisciplinary resource integrates both human and environmental toxicology and is considered the foremost resource on metal toxicology available today!

IBS Membership

Qualifications –

- Open to all conducting research or have an interest in metal ions in biology, biochemistry and medicine

Why Join –

- Receive overview of the program of past symposia.
- Receive reduced registration fee for

International Biometals Symposia.

- Receive IBS Newsletters which carry information about conferences, recent books published and notable reviews.
- For additional benefits from Springer, see the biometals home page.

To join IBS go to

www.biometals.org

Do you have a publication you would like to feature?

Let us know at email:

lbarton@unm.edu and it will be included in future newsletters.

Announcements of Metal Meetings

2015

Gordon Research Conference
“Cell Biology of Metals: Mechanisms from Microbes to Humans”

July 26-31, 2015

Mount Snow, Vermont, USA

www.grc.org/

Biolron2015

6th Meeting of the International Biolron Society

September 6-10, 2015

China

www.bioiron.org/

ISZB 2016

Meeting of the International Society for Zinc Biology

September 25 -29, 2016

Martin Princess Hotel Kumburgaz

Istanbul, Turkey

www.iszb.org