

10th International Symposium on Selenium in Biology and Medicine 2013

<http://www.selenium2013.com>

SELENIUM BERLIN
Sept. 14.-18. 2013



Saturday 14.9.2013	Sunday 15.9.2013		
<p>Opening Session</p> <p>Welcome</p> <p>Oral Session 1</p> <p>Opening Lecture: Genomics of Selenoproteins and Oxidative Stress</p>	<p>Oral Session 2 Selenium and Human Health I</p> <p>2.1 Selenium in Human Health 2.2 Selenium and Type 2 Diabetes 2.3 Syndrome of SECISBP2 deficiency 2.4 Syndrome of SepSecS deficiency 2.5 2.6</p>		
Reception	Refreshments & Coffee Break		
<p>Confirmed Speakers</p> <p>Ohad BIRK, Israel Raymond BURK, USA Brad CARLSON, USA Laurent CHAVATTE, France Gerald COMBS, USA Marcus CONRAD, Germany Paul COPELAND, USA Cindy DAVIS, USA Alan DIAMOND, USA Alexander DIKIY, Norway Leopold FLOHÉ, Germany Noelia FRADEJAS-VILLAR, Germany Kevin FRANCESCO, Austria Bente GAMMELGAARD, Denmark Vadim GLADYSHEV, USA Dolph HATFIELD, USA John HESKETH, UK Peter R. HOFFMANN, USA Anna KIPP, Germany Josef KÖHRLE, Germany Alain KROL, France Xingen LEI, USA Bernhard MICHALKE, Germany Nicole PIETSCHMANN, Germany K. Sandeep PRABHU, USA Margaret RAYMAN, UK Michael ROTHER, Germany Ed SCHMIDT, USA Lutz SCHOMBURG, Germany Ulrich SCHWEIZER, Germany Lucia SEALE, USA Sandra SEEHER, Germany Anatoly SKALNY, Russia Dieter SÖLL, USA Holger STEINBRENNER, Germany Petra TSUJI, USA Kimberly VONNAHME, USA David L. WILLIAMS, USA Eva K. WIRTH, Germany Shi-wen XU, China</p>	<p>Oral 3 Biosynthesis of Selenoproteins I</p> <p>3.1 SECIS-protein interactions 3.2 Sec incorporation at the ribosome 3.3 Targeted deletion of Secisbp2 in the mouse 3.4 Proteins binding to selenoprotein mRNAs 3.5 3.6</p>	<p>Oral 4 Speciation and Analytics</p> <p>4.1 Speciation of Se in human body fluids 4.2 Analysis of Selenium compounds in complex matrices 4.3 Selenosugars 4.4 4.5 4.6</p> <p>Sponsored by GMS e.v.</p>	
	Lunch Break		
	Poster Presentation A odd numbers		
	<p>Oral 5 Selenium Metabolism and Food Chain</p> <p>5.1 Se status in Russian population 5.2 Se accumulation in plants and remediation 5.3 Selenocysteine lyase in metabolic syndrome 5.4 Se in One-carbon metabolism 5.5 5.6</p>	<p>Oral 6 Selenium and ROS</p> <p>6.1 Redox biology of selenoproteins 6.2 Redox regulation of kinase/phosphatase signalling 6.3 Redoxproteome 6.4 Mechanism of MSR 6.5 6.6</p>	
	Young Investigator Session		
Plenary: Award Lecture			
Excursion: Berlin Experience			

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Monday 16.9.2013

Oral 7 Biosynthesis of Selenoproteins II

- 7.1 Maturation of selenoprotein mRNPs
- 7.2 Structures of selenoproteins
- 7.3 Biogenesis of selenoprotein RNP
- 7.4 Trit1 tRNA[Ser]Sec-isopentenyl-transferase
- 7.5 open
- 7.6 open

Refreshments & Coffee Break

Oral 8 Selenium and Human Health II

- 8.1 Selenoproteins in the brain
- 8.2 Selenium transport in the body
- 8.3 DNA repair and carcinogenesis
- 8.4 Selenium, inflammation, and cytokines
- 8.5 open
- 8.6 open

Oral 9 Prokaryots

- 9.1 Selenoprotein biosynthesis in archaea
- 9.2 Selenoproteins in archaea
- 9.3 Selenium supplementation in E. coli
- 9.4 open
- 9.5 open
- 9.6 Open

Lunch Break

Social program

Tours in and around Berlin

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Tuesday 17.9.2013	
Oral 10 Late breaking I	
10.1 open	
10.2 open	
10.3 open	
10.4 open	
10.5 open	
10.6 open	
Refreshments & Coffee Break	
Oral 11 Selenium in animals	Oral 12 Selenium and Human Health III
11.1 Regulation and function of selenogenome and selenoproteins in pigs and chicks	12.1 Colon Cancer and selenoproteins
11.2 Se metabolism in pets and supplements	12.2 Selenoproteins in the Thyroid
11.3 Selenoprotein expression and function in chicks	12.3 Autoimmunity and Inflammation
11.4 Nutrition and toxicology of selenium in fish	12.4 Selenium and bone
11.5 Supranutritional Se, Growth and Vascularity	12.5 open
11.6 Se in Livestock	12.6 open
Lunch Break	
Poster Presentation B even numbers	
Oral 13 Biology and Function of Selenoproteins I	Oral X Breakout session
13.1 Gpx1 and Gpx3 in human health	
13.2 GPx2 in intestinal neoplasia	
13.3 Thioredoxin reductase biology	
13.4 Sep15 in cancer	
13.5 open	
13.6 open	
Plenary lecture	
Banquet	

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Wednesday 18.9.2013

Oral 14 Biology and Function of Selenoproteins II

- 14.1 Reprogramming the code
- 14.2 Selenoprotein SNPs mediate disease risk
- 14.3 TGR Schistosoma
- 14.4 Selenoprotein K and immunity
- 14.5 Thioredoxin reductase biology
- 14.6 open

Oral 17 Late breaking II

Refreshments & Coffee Break

Oral 15 Selenium in the clinics

- 15.1 Se and Thyroid Autoimmunity
- 15.2 Selenium treatment in sepsis
- 15.3 Hemodialysis
- 15.4 Se and cancer prevention
- 15.5 open
- 15.6 open

Closing session Oral 16: A pionieer's view

Farewell

International Scientific and Programme Organizing Committee:

Elias Arnér, Sweden; Gary Banuelos, USA; Marla Berry, USA; Ohad Birk, Israel; Raymond Burk, USA; Gerald Combs, USA; Nobuyoshi Esaki, Japan; Vadim Gladyshev, USA; Dolph Hatfield, USA; Kaixun Huang, China; Alain Krol, France; Byeong Jae Lee, South Korea; Xingen Lei, USA; Matilde Maiorino, Italy; Bernhard Michalke, D; Margret Rayman, GB; Michael Rother, D; Roger Sunde, USA; Anatoly Skalny, RU.

Local Organizing Committee: Josef Köhrle & Lutz Schomburg, Charité Berlin; Ulrich Schweizer, University Bonn; Regina Brigelius-Flohé & Anna Kipp, DfE, Potsdam

Registration: https://www.event-endoscience.de/tms/frontend/frontend.cfm?l=3093&sp_id=2

Abstract submission: <http://www.abstractserver.com/selenium2013/absmgm/>

Symposium website: <http://www.selenium2013.com>

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