



Program of the Workshop

11.05.14	Registration opening	10:00	Ms. Vassiliki Spiropulu & Mr. Martin Marak
S U N D A Y	Opening Ceremony	19:30 - 23:00	
	Message from the organizing committee	19:30 - 19:35	Dr. Martin Kolisek
	Message from the scientific committee	19:35 - 19:40	Dr. Stefano Iotti
	Message from the sponsoring bodies	19:40 - 19:45	
	Message from the president of SDRM	19:45 - 19:50	Dr. Federica Wolf
	Welcome dinner & Cocktail Mixer	20:00 - 23:00	

12. 05. 14	Breakfast	8:00 - 9:00	
M O N D A Y	Keynote delivery: Translational Medicine and Magnesium	9:15 -10:00	Dr. Rhian Touyz (GB)
	Magnesium in Neuroscience and Neurology (1)	10:00 - 12:00	Section Chairlady: Dr. Rhian Touyz
	Keynote delivery: Magnesium in neuroresearch	10:00 - 10:45	Dr. Keiichi Torimitsu (JP)
	Magnesium homeostasis and neurodegeneration	10:45 - 11:15	Dr. Martin Kolisek (DE)
	Abnormal differentiation of dopaminergic neurons and melanocytes in zebrafish trpm7 mutant larvae - exploring a role for magnesium homeostasis.	11:15 - 11:45	Dr. Robert Cornell (USA)
	Lunch	12:00 - 13:00	
	Magnesium in Neuroscience and Neurology (2)	13:10 - 14:50	Section Chairlady: Dr. Federica Wolf
	Magnesium and the treatment of major depression - the relapses problem	13:10 - 13:40	Dr. Mihai Nechifor (RO)
	CNNM2 mutations cause impaired brain development and seizures in patients with hypomanesemia	13:40 - 14:10	Dr. Francisco Jesus Arjona Madueno (NL)
	Animal models for neurodegenerative and psychiatric disorders	14:10 – 14:30	Dr. Alin Ciobica (RO)
	Does CNNM2 represent a new link between IMH and Parkinson's disease?	14:30 - 14:50	MSc. Lucia Mastrototaro (DE)
	Speakers' Corner (Speak up your mind and ask the experts 1)	14:50 - 15:10	SC1 Chairlady: Dr. Federica Wolf
	Coffee break	15:10 - 15:30	
	Magnesium in Implantology	15:30 - 17:45	Section Chairlady: Dr. Jeanette Maier
Keynote delivery: Degradable implants based on magnesium - what do we need for translation into clinics?	15:30 - 16:15	Dr. Frank Feyerabend (DE)	

	Effect of magnesium extract on osteoblastic progenitor cells differentiation	16:15 – 16:45	Dr. Berengere Luthringer (DE)
	Effects of magnesium extracts on the chondrogenic differentiation of Human Umbilical Cord Perivascular cells (HUCPV)	16:45 - 17:05	MSc. Adela Helvia Martinez Sanchez (DE)
	Magnesium based biodegradable implants and inflammation	17:05 - 17:25	MSc. Maria Domenica Costantino (DE)
	Magnesium corrosion under physiological conditions	17:25 - 17:45	MSc. Nezha Ahmad Agha (DE)
	Speakers' Corner with coffee and sweets (Speak up your mind and ask the experts 2)	17:45 - 18:05	SC2 Chairlady: Dr. Andrea Fleig
	Poster Presentation	18:20 - 19:30	Jurried by: Dr. Jürgen Vormann Dr. Rhian Touyz Dr. Federica Wolf Dr. Jeanette Maier Dr. Jörg Aschenbach
	Dinner	20:00 - 21:00	
	Lets socialize (1)! / Wine tasting (ideas, co-operations, head-hunting, beer, wine and other headache-makers)	21:00 - 23:00	

13. 05. 14	Breakfast / Grab the coffee	8:00 - 9:00	
T	Keynote Delivery: Future Implications of TRPM6 and M7 Research in Clinical Praxis	9:00 - 9:45	Dr. Andrea Fleig (USA)
U			
E	Magnesium in Cardiovascular Research and Medicine	9:45 - 12:10	Section Chairman: Dr. Keiichi Torimitsu
S			
D	Keynote delivery: Another brick in the wall: TRPM7 as the missing link between low Mg and endothelial dysfunction?	9:45 - 10:30	Dr. Jeanette Maier (IT)
A			
Y	Intervention with magnesium - the risk group dilemma	10:30 – 11:00	Dr. Ragnar Rylander (SE)

Essential role of intracellular Mg ²⁺ in activation of calcium release and propagation of calcium waves in cardiac myocytes	11:00 - 11:30	Dr. Alexandra Zahradnikova (SR)
Intracellular Mg ²⁺ affects activation of calcium spikes in rat cardiac myocytes	11:30 - 11:50	Dr. Alexandra Zahradnikova Jr. (SR)
Speakers' Corner (Speak up your mind and ask the experts 3)	11:50 - 12:15	SC3 Chairman: Dr. Frank Feyerabend
Lunch	12:30 - 13:30	
Renal Magnesium Handling and Systemic Magnesium Homeostasis	13:30 - 15:25	Section Chairman: Dr. Stefano Iotti
Keynote delivery: title to be specified soon	13:00 - 13:45	Dr. René Bindels
Title to be specified soon	13:45 - 14:15	Dr. Monika Schweigel-Röntgen
Paracellular Mg ²⁺ transport: claudins of kidney and mammary glands	14:15 - 14:45	Dr. Salah Amasheh
Speakers' Corner (Speak up your mind and ask the experts 4)	14:45 - 15:05	SC4 Chairman: Dr. Jürgen Vormann
Coffee break / Snack	15:05 - 15:30	
Round Table: Magnesium Research in Europe, Networking, Forces-merging & Fund-rising All workshop-attendee will be welcome to participate in discussing emerging issues and sustainability of Magnesium Research in Europe	15:30 - 17:30	Chaired by: Dr. Stefano Iotti
Announcement of the Poster Prize & Poster Prize winner talk (max 10 minutes)	17:30 - 17:40 17:40 - 17:50	Dr. Juergen Vormann
Lets socialize (2)!, zivanska and pig roasting	19:00 - 23:00	

14. 05. 14	Breakfast / Grab the coffee	8:00 - 9:00	
W E D N E S D A Y	Keynote Delivery: Magnesium in Cancer (title is prone to further correction)	9:00 - 9:45	Dr. Federica Wolf (IT)
	Magnesium Detection in Biological / Clinical Samples:	9:45 - 11:50	Section Chairman: Dr. Martin Kolisek
	Fluorescent imaging of Mg²⁺ mobilization in neurons	9:45 - 10:30	Dr. Kotaro Oka (JP)
	How much and where is it? Simple questions, challenging tasks: Mapping the intracellular content of Magnesium and other chemical elements.	10:30 - 11:00	Dr. Stefano Iotti (IT)
	Studying protein-protein interactions of signal transduction receptors on micro-patterned surfaces	11:00 - 11:30	Dr. Julian Weghuber (AT)
	Intracellular magnesium measurements by live cell imaging: challenges and promises	11:30 - 11:50	Dr. Valentina Trapani (IT)
	Speakers' Corner (Speak up your mind and ask the experts 5)	11:50 - 12:10	SC5 Chairman: Dr. Salah Amasheh
	Lunch	12:10 - 13:00	
	Magnesium and Mitochondria (revival of the forgotten story)	13:00 - 14:00	Section Chairman: Dr. Robert Cornell
	Mrs2, a well characterized channel with unclear role for mitochondrial and cellular Mg ²⁺ homeostasis	13:00 - 13:30	Dr. Gerhard Sponder (DE)
	Magnesium and Apoptosis: the role of magnesium channel Mrs2	13:30 - 13:50	MSc. Lucia Merolle (IT)
	Speakers' Corner (Speak up your mind and ask the experts 6)	13:50 - 14:00	SC6 Chairman: Dr. Robert Cornell
	Trip to Cave of Driny	14:15 - 18:30	
	Dinner	19:00 - 20:00	
Lets socialize (3)!, bar closes late	20:00 - ...		

15. 05. 14	Breakfast / Grab the coffee	8:00 - 9:00	
T H U R S D A Y	Magnesium Research in Veterinary Medicine and Its Implications for Human Medicine	9:00 – 10:45	Section Chairman: Dr. Gerhard Sponder
	The ruminal magnesium channel: from hypothesis to established fact	9:00 - 9:45	Dr. Friederike Stumpff (DE)
	Title to be announced soon	9:45 -10:15	Dr. Jörg R. Aschenbach (DE)
	Speakers' Corner (Speak up your mind and ask the experts 6)	10:15 -10:25	SC7 Chairman: Dr. Gerhard Sponder
	Closing Ceremony & Awarding winners of: 1. Award of Magnesia 2. Rudolf J. Schweyen Award for Outstanding Work in Researching Molecular Aspects of Magnesium Homeostasis 3. Prize of German Magnesium-Research Society	10:45 - 11:30	