XV International Magnesium Symposium

MAGNESIUM IN HEALTH AND DISEASE

Bethesda - NIH, March 20\textsuperscript{th}-22\textsuperscript{nd}, 2019

PRELIMINARY PROGRAM

\textbf{Wednesday March 20\textsuperscript{th}, Morning}

09:00 - 10:00  \textit{Registration}

10:00 - 10:15  \textit{Welcome Remark}
\textit{Michael J Lenardo} (NIH - Bethesda, USA), \textit{Federica I Wolf} (Rome, Italy)

10:15 - 11:00  \textit{Opening Lecture} Magnesium ion in DNA synthesis
\textit{Wei Yang} (NIH-Bethesda, USA)

\textbf{SESSION 1  Magnesium Homeostasis and Status}

\textbf{Chairmen:}  \textit{Andrzej Mazur} (Clermont-Ferrand, France)
\textit{Federica I Wolf} (Rome, Italy)

11:00 - 11:30  \textit{Colon, the entrance door of Magnesium into the body}
\textit{Vladimir Chubanov} (Munich, Germany)

11:30 - 12:00  \textit{Kidney, the Key Organ of Magnesium Homeostasis}
\textit{Jeroen de Baaij} (Nijmegen, Netherlands)

12:00 - 12:30  \textit{Magnesium Status: News and Clues}
\textit{Andrzej Mazur} (Clermont-Ferrand, France)

\textit{Oral Communications:  Magnesium homeostasis and status}

12:30 - 12.45  \textbf{OC01} - Oral Communication
12:45 - 13:00  \textbf{OC02} - Oral Communication

13:00 - 14.00  \textit{Welcome buffet Lunch}
Wednesday March 20th, Afternoon

SESSION 2  Magnesium in Cardio-metabolic Diseases

Chairmen:  Rhian Touyz (Glasgow, UK)
           Andrea Rosanoff (Paoha, USA)

14:00 - 14:30  Magnesium and Cardiovascular Biology in Health and Disease
               Rhian Touyz (Glasgow, UK)

14:30 - 15:00  Dietary Magnesium and status in Cardio-metabolic Diseases
               Qi Dai (Nashville, USA)

15:00 - 15:30  TBD

15:30 - 16:00  Coffee/Tea Break

Oral communications: Magnesium in Cardio-metabolic Diseases

16:00 - 16:15  OC03- Oral Communication
16:15 - 16:30  OC04- Oral Communication
16:30 - 16:45  OC05- Oral Communication
16:45 - 17:00  OC06- Oral Communication
Thursday, March 21st, Morning

SESSION 3  Magnesium Distribution, Biophysical status and Assessment

Chairmen: TBD

09:00 - 09:30  Stefano Iotti (Bologna, Italy) TBC
09:30 - 10:00  Mg complex with bioligands TBD

Oral communications: Magnesium distribution, biophysical status and assessment

10:00 - 10:15  OC07 - Oral Communication
10:15 - 10:30  OC08 - Oral Communication

10:30 – 11:00  Coffee Break around Posters

SESSION 4  Magnesium in Epidemiology, Nutrition, and genetic

Chairmen: Dai Qi (Nashville, USA)
           Rebecca Costello (NIH - Bethesda, USA)

11:00 - 11:30  Magnesium and Athletic Performance
               Stella Lucia Volpe (Philadelphia, USA)

11:30 - 12:00  TBD

Oral communications: Magnesium Epidemiology, Nutrition and Genetic

12:00 - 12:15  OC09 - Oral Communication
12:15 - 12:30  OC10 - Oral Communication

12:30 - 13:30  Lunch
Thursday, March 21st, Afternoon

SESSION 5  Molecular Biology of Magnesium I
Chairmen:  Vladimir Chubanov (Munich, Germany)
            Andrea Fleig (Honolulu, USA)

13:30 - 14:00  Magnesium channels and transporters an overview
               Andrea Fleig (Honolulu, USA)

14:00 - 14:30  TRPM-Channel kinase activity and cellular signalling
               Susanna Zierler (Munich, Germany)

14:30 – 15:00  TRPM7-dependent gene transcription
               Thomas Gudermann (Munich, Germany)

15:00 - 15:30  Coffee/Tea break around Posters

15:30 - 16:00  PTP-CNNM-mediated magnesium transport
               Michel Tremblay (Montreal, Canada)

16:00 - 16:30  Magnesium transporters of SLCA1 family and Mrs2
               Gerhard Sponder (Berlin, Germany)

Oral communications: Molecular Biology

16.30 - 16.45  OC13 - Oral Communication
16.45 - 17.00  OC14 - Oral Communication

Friday, March 22nd, Morning

SESSION 6  Molecular Biology of Magnesium II
Chairmen:  Michael J Lenardo (NIH-Bethesda, USA)
            Andrea Fleig (Honolulu, USA)

08:30-9:00  MagT1 and glycosylation
            Reid Gilmore (Worcester, USA)

09:00-9:30  Mg in XMEN Diseases
            Juan C. Ravell (NIH-Bethesda, USA)

09:30-9:45  OC15 - Oral Communication
09:45-10:00  OC16 - Oral Communication

10:00 - 10:30  Coffee Break around Posters
SESSION 7  Magnesium in Neuropathology and Stress

Chairmen:  
Louise Dye (Leeds, UK)
TBD

10:30 - 11:00  
Magnesium and Depression
TBD

11:00 - 11:30  
The Effects of Magnesium Supplementation on Subjective Stress and Anxiety: a Systematic Review
Louise Dye (Leeds, UK)

Oral communications:  
Neuropathology and stress, Mg and dementia

11:30 - 11:45  
OC17 Oral communication
11:45 - 12:00  
OC18 Oral communication

SESSION 8  Magnesium in Chronic Diseases and Aging

Chairmen:  
Andrzej Mazur (Clermont-Ferrand, France)
Federica I Wolf (Roma, Italy)

12:00 - 12:30  
Magnesium, skeletal muscle health, sarcopenia, osteoporosis and fracture risk
Ailsa A Welch (Norwich, UK)

12:30 – 13:00  
Magnesium in bone metabolism
Jeanette AM Maier (Milano, Italy)

Oral communications:  
Chronic Diseases and Aging

13:00 - 13:15  
OC19 Oral communication
13:15 - 13:30  
OC20 Oral communication

13:30 – 13:45  
Award Nomination and Closing Ceremony

Chairmen:  
Michael Lenardo (NIH-Bethesda, USA),
Rhian Touyz (Glasgow, UK)
Federica I Wolf (Rome, Italy)