

# Program

of the 2023 Budapest PXE-Calcification Meeting, Budapest, October 1-3, 2023  
Research Center for Natural Sciences, Budapest, Hungary

## Oct. 1, Sunday

18:00

**Opening ceremony** dedicated to the memory of Jouni Uitto

Terry, S (Washington DC) *Jouni Uitto's work together with PXE International for patients*

Varadi, A (Budapest) *Jouni Uitto's fundamental contribution in PXE science*

19:00 Dinner

## Oct. 2, Monday

9:00

### **PXE clinical manifestation**

- Dermatology: Ludovic Martin (Angers, France): *Molecular dissection of skin inflammatory flares in a patient with pseudoxanthoma elasticum.*  
Luca Fesus (Budapest) *Correlation of systemic involvement and presence of pathological skin calcification assessed by ex vivo nonlinear microscopy in pseudoxanthoma elasticum"*
- Visual system: Imre Lengyel (Belfast, UK) *On the technical progress in visualising calcification in the eye*  
Maximillian Pfau (Bonn, Germany) *The Progression of Retinal and Choroidal Degeneration in Pseudoxanthoma Elasticum: Design and Baseline Characteristics of the ProPXE Study*
- Cardiovascular: Wilko Spiering (Utrecht, NL) *The natural course of arterial calcifications in PXE.*  
Pasi Navalainen (Tampere, SF) *Abnormal arterial wave reflection in patients with PXE compared with controls.*

11:00 Coffee break

11:30

### **Biomarkers and social aspects of PXE**

Hubert Chou (DSI, NJ) *A biomarker study in PXE patients and their sibling; a collaboration with PXE Intl and the PXE Center of Excellence at TJU*  
Ludovic Martin (Angers, France) *Employment of patients with pseudo-xanthoma elasticum. A survey from the French reference centre for PXE patients.*

12:10

### **Clinical trials in PXE and in other calcification diseases**

Georges Leftheritoris (Nice, France) *The Propheci-trial - oral PPI in PXE*  
Hubert Chou (DSI, NJ) *The Daiichi Sankyo TNAP-inhibitor program*  
Pedro Valdivielso (Malaga, Espana) *The effects of Lansoprazole in PPI levels in PXE subjects*

13:10 Lunch / Poster discussion

14:30

**Clinical trials in PXE and in other calcification diseases (Continued)**

Yves Sabbagh (Inozyme, Boston) *A Phase 1/2, Open-Label, Multiple Ascending Dose Clinical Studies to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of INZ-701 in Adults with ENPP1 Deficiency or ABCC6 Deficiency (PXE)*

Wilko Spiering (Utrecht, NL) *Etidronate for the treatment of PXE. The TEMP study program.*

Antrea Kyriakidou (Utrecht, NL) *A systematic review on the safety of etidronate*

Vincent vd Walls (Haltex, Leiden) *The long history of etidronate reborn as a repurposing drug in PXE*

Laszlo Kovacs (Szeged, Hungary) *Calcinosis reduction with pyrophosphate in systemic sclerosis*

16:10 Coffee Break

16:40 **Round table discussion** biomarkers and clinical trials / Poster discussion

18:00 Transfer to dinner

18:30 Dinner

**Oct. 3, Monday**

9:00

**Molecular and cellular mechanism of calcification disorders: novel techniques and animal models**

Viktoria Jeney (Debrecen, Hungary) *Crosstalk between ER stress and the Nrf2 pathway in chronic kidney disease-associated vascular calcification*

Vicky MacRae (Edinburgh, UK) *The role of mitochondria in vascular calcification*

Koen vd Wetering (TJU, Philadelphia) *New insights in regulation of plasma pyrophosphate homeostasis*

Yvonne Nitschke (Munster, Germany) *Morphological and functional changes in the eye in ENPP1 deficiency.*

Richard B. Thompson (U. Maryland) *Fluorescence lifetime-based imaging of retinal calcification with tetracycline family stains*

Qiaoli Lili (TJU, Philadelphia) *Combination therapy for PXE: Targeting the systemic and local drivers of ectopic calcification*

11:00 Coffee Break

11:30 Section continues

Olivier Le Saux (Hawaii, US) *Does ABCC6 influence cardiac functions?*

Olivier Vanakker (Ghent, Belgium) *The pseudoxanthoma elasticum zebrafish model contributes to novel pathophysiological insights and therapeutic strategies in ectopic mineralization.*

Dávid Czimmer (Budapest, Hungary) *A novel zebrafish model for pseudo-xanthoma elasticum*

Viola Pomozi (Budapest, Hungary) *Diabetes mellitus-associated calcification studied in a novel animal model*

12:50 Concluding remarks; end of the meeting, Lunch

*Please note that titles of posters will be announced later*