

Programme

Day 1 – September 14, 2023

9.00 Welcome address
Frank Rutsch (Meeting organization) and Olivier Vanakker (INTEC coordinator)

9.20-10.40 **Invited Talks: Preclinical Treatment Models/Studies**

Chairs: Flora Szeri & Georges Leftheriotis

Nanoparticles as possible treatment option for ectopic calcification

Alexander Jones, Elastrin Therapeutics, USA

Pyrophosphate – therapeutic option for different diseases associated with ectopic calcification. An overview.

Viola Pomozi, Research Center for Natural Sciences, Hungary

Activation of the DNA damage response in ectopic calcification diseases – treatment with PARP inhibitors including minocycline.

Lukas Nollet, Ghent University Hospital, Belgium

10.40 Coffee Break

11.10-12.25 **Invited Talks: Clinically Relevant Endpoints and/or Biomarkers for Clinical Studies**

Chairs: Jessica Bertrand & Tamas Aranyi

Vascular calcification as endpoint in ectopic calcification

Wilko Spiering, University Medical Center Utrecht, Netherlands

Eye complications in PXE and current treatment modalities

Bojan Sontacchi, General Hospital Cakovec, Croatia

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Calciprotein particles at the interface of bone and vessels
(Online-Talk) [Andreas Pasch, Calciscon, USA](#)

12.25 Lunch Break

14.00-15.15 **Selected Oral Presentations**
Chairs: [Dijana Sontacchi & Andras Varadi](#)

Reversion and inhibition of porcine aortic valve calcification in vitro using therapeutic nanoparticulate formulations and chelating agents

[Anja Feldmann, Muenster University Children's Hospital, Germany](#)

Bruch's membrane calcification in pseudoxanthoma elasticum: comparing histopathology and clinical imaging

[Imre Lengyel, Queen's University Belfast, United Kingdom](#)

Evidence that pyrophosphate acts as an extracellular signalling molecule to exert direct functional effects on osteoblasts and vascular smooth muscle cells

[Isabel R. Orriss, Royal Veterinary College, London, United Kingdom](#)

Clinical case

[Juan Luis Carrillo-Linares, Hospital Virgen de la Victoria, and Instituto de Investigaciones Biomédicas \(IBIMA\), Málaga, Spain](#)

Inhibition of 5-lipoxygenase reduces valvular calcification by prevention of ferroptosis

[Sven-Christian Pawelzik, Karolinska University Hospital, Stockholm, Sweden](#)

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15.15 Coffee Break

15.45-17.00 **Invited Talks: Clinical Studies**
Chairs: Vicky Mc Rae & Olivier Vanakker

Therapeutic strategy for Pseudoxanthoma Elasticum ectopic calcification disorder: the PROPHECI study
[Georges Leftheriotis, University Hospital of Nice, France](#)

Clinical trials on ENPP1 Enzyme Replacement Therapy
[Yves Sabbagh, Inozyme Pharma, USA](#)

Inositol phosphate derivatives as candidate products to inhibit ectopic calcification
[Carolina Salcedo, ViforPharma – Sanifit, Switzerland](#)

17.00 Wrap up

19.00 INTEC Network Event

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Day 2 – September 15, 2023

9.00 Selected Oral Presentations

Chairs: Viola Pomozi & Lukas Nollet

An ex vivo human calcified tissue explant model to study the response of cells in the cartilagebone interface to cytokines and TGF- β

Andrea Schwab, Otto-von-Guericke-University Magdeburg, Germany

High frequency of BCP but less CPP crystal-mediated calcification of cartilage and synovial membranes in osteoarthritis patients

Sina Stücker, Otto-von-Guericke-University Magdeburg, Germany

Tracheal calcification: not so crystal clear!

Elodie BaptistaUMR, Université de Lorraine Vandœuvre-lès-Nancy, France

Achieving specific vascular targeting via antibody-linked albumin nanoparticles

Franziska Linß, University of Muenster, Germany

10.00 INTEC annual work meeting (for INTEC consortium members)

10.00 Workshop for Young Researchers about Career Development
“Using Individual Development Plans (IDPs) to Plan Your Career”
Dr. Orsolya (Uschi) Symmons, Research manager and certified systemic coach, Brussels, Belgium

13.30 Lunch and end of meeting