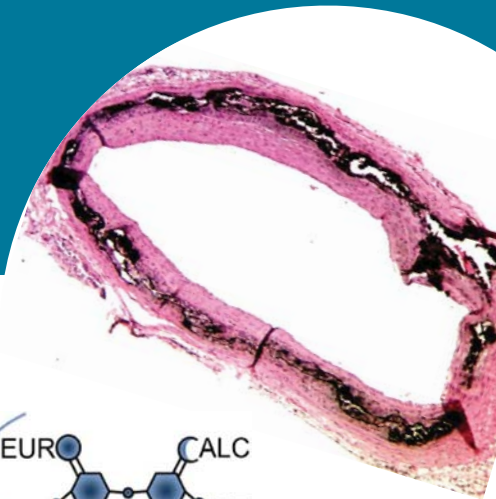


# The complex pathophysiology of cardiovascular calcification



*Learning from similarities and differences across rare- and acquired disease types*

A 2-day symposium focussing on cardiovascular calcification from different perspectives:

**1. Monogenic rare disease ethiology**

*EuroSofCalcNet COST Action*

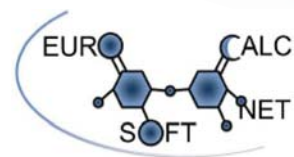
**2. Calcifylaxis**

*EuCalNet: [www.calciphyllaxis.net/eu/welcome](http://www.calciphyllaxis.net/eu/welcome)*

**3. Intima Calcification in Atherosclerosis**

*EJD project "Intricare": [www.intricare.eu](http://www.intricare.eu)*

**4. CKD-related arteriosclerosis**



Dec 2-3, 2019

Monday and Tuesday

Antwerp, Belgium

Grauwzusters Monastery

## Objectives of the symposium

1. Sharing knowledge about cardiovascular calcification among basic researchers, clinicians and industry.
2. Facilitating multidisciplinary & translational research across different presentations of vascular calcification.
3. Brainstorming on ideas and funding channels for novel collaborative research proposals.
4. Offering learning and networking opportunities for junior researchers (open call for abstracts).

## Venue

University of Antwerp  
Grauwzusters Chapel  
Lange Sint-Annastraat 7  
2000 Antwerpen

## Organising Committee

Prof. Pieter-Jan Guns  
Prof. Anja Verhulst  
Prof. Guido De Meyer  
Prof. Patrick D'Haese  
University of Antwerp

## Registration

[www.uantwerpen.be/en/projects/eurosoftcalcnet/registration](http://www.uantwerpen.be/en/projects/eurosoftcalcnet/registration)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No CA16115.



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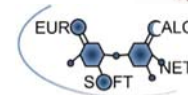


Dec 2-3, 2019 (Monday and Tuesday)

Grauwzusters Monastery, Antwerp

Lange Sint-Annastraat 7, 2000 Antwerpen

## Program



### Day 1: Monday December 2nd 2019

08:30	Arrival and registration with coffee/tea
09:00	<b>Maria Eriksson</b> , Karolinska Institutet <i>Somatic mutations and possible contribution to vascular tissue damage in chronic kidney disease</i>
09:40	<b>Olivier Vanakker</b> , Ghent University <i>Molecular genetics of vascular calcification: causal genes and beyond</i>
10:20	<b>Vincent Brandenburg</b> , RWTH Aachen <i>Clinical presentation of calciphylaxis and recent developments</i>
11:00	Coffee/tea break
11:30	<b>Cathy Shanahan</b> , King's College London <i>Unravelling molecular mechanisms of vascular calcification</i>
12:00	<b>Georges Leftheriotis</b> , University Hospital Nice <i>Vascular calcifications: How to quantify?</i>
12:30	<b>Patrick D'Haese/Anja Verhulst</b> , University of Antwerp <i>Arterial calcifications: can we inhibit them without affecting the bone?</i>
13:00	Lunch
14:00	<b>Carolina Salcedo</b> , Sanifit <i>Calciphylaxis and beyond. SNF472 as a new approach to treat calcification disorders</i>
14:30	<b>Guido De Meyer/Pieter-Jan Guns</b> , University of Antwerp <i>Arterial calcification and stiffness</i>
15:00	<b>Ofer Sarig</b> , Tel Aviv Medical Center <i>The molecular basis for ectopic calcification in the skin</i>
15:30	Coffee/tea break
16:00	<b>Magnus Bäck</b> , Karolinska Institutet <i>Valve calcification and cancer treatments</i>
16:20	<b>Flora Szeri</b> , Natural Sciences, Hungary <i>Longitudinal monitoring of PPI levels</i>
16:40	<b>Joachim Jankowski</b> , RWTH Aachen <i>Identification of novel inhibitors of vascular calcification</i>
17:00	<b>Andras Varadi</b> , Natural Sciences, Hungary <i>Toward the oral pyrophosphate theory in PXE</i>
17:20	<b>Antonia Schantl</b> , ETH Zürich <i>Inhibition of vascular calcification by novel functionalized inositol phosphates</i>
17:40	<b>Isabel Orriss</b> , Royal Veterinary College London <i>Extracellular pyrophosphate: More than just a calcification inhibitor?</i>
18:00	Closure of the day
18:30	Dinner at Universiteitsclub

### Day 2: Tuesday December 3rd 2019

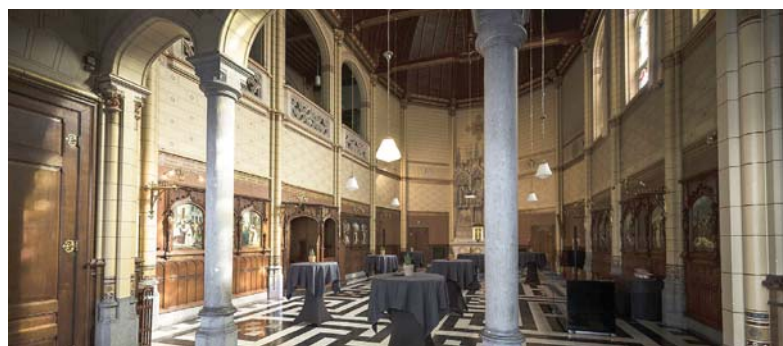
08:30	Arrival with coffee/tea
09:00	<b>Peter Stenvinkel</b> , Karolinska Institutet <i>Premature ageing: lessons from chronic kidney disease and the animal kingdom</i>
09:30	<b>Pieter Evenepoel</b> , KU Leuven <i>The bone-vascular axis: focus on sclerostin</i>
10:00	<b>Lu Lu Dai</b> , Karolinska Institutet <i>Aortic valve calcium associates with all-cause mortality in patients with end-stage renal disease</i>
10:15	<b>Audrey Laurain</b> , University Hospital Nice <i>Pyrophosphate in chronic kidney disease</i>
10:30	<b>Jessal Patel</b> , University of Hertfordshire <i>2-oxothiazolidine-4-carboxylic acid inhibits vascular calcification via glutathione synthesis and Nrf2 signalling</i>
10:45	<b>Gonzalo Artiach</b> , Karolinska Institutet <i>Fatty acids and valve calcification</i>
11:00	Coffee/tea break
11:30	<b>Vicky Macrae</b> , University of Edinburgh <i>The role of osteocalcin in vascular calcification</i>
11:50	<b>Hervé Kempf</b> , University of Lorraine <i>Gla proteins in cardiovascular calcification</i>
12:10	<b>Tamas Aranyi</b> , Natural Sciences, Hungarian Ac Sc <i>Incomplete penetrance in ectopic calcification</i>
12:30	Lunch including poster session
14:00	<b>Claudia Goettsch</b> , RWTH Aachen <i>Role of extracellular vesicles and intracellular sorting in vascular calcification</i>
14:30	<b>Frank Rutsch</b> , Münster University Children's Hospital <i>Generalized arterial calcification of infancy: results of the natural history studies</i>
15:00	<b>Lucie Bourne</b> , Royal Veterinary College London <i>L-cysteine and hydrogen sulphide in the effects of N-acetylcysteine on arterial calcification and bone formation</i>
15:15	<b>Britt Opdebeeck</b> , University of Antwerp <i>indoxyl sulfate and p-cresyl sulfate promote vascular calcification and associate with glucose intolerance</i>
15:30	<b>Willi Jahnen-Dechent</b> , RWTH Aachen <i>Mud in the blood: protein-mineral complexes in mineralization and calcification</i>
15:45	<b>Annelies De Maré</b> , University of Antwerp <i>Sclerostin as regulating molecule in the bone-vascular axis</i>
16:00	Closure

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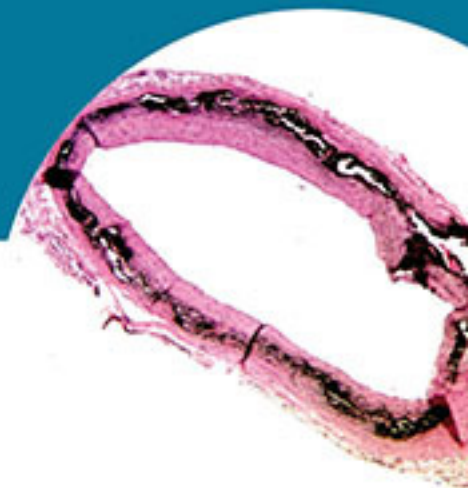
 Universiteit  
Antwerpen

Horizon 2020 grant CA16115



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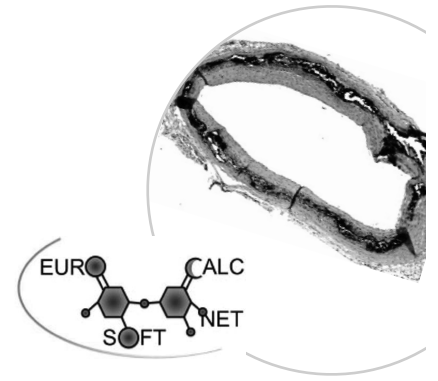
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Dec 2-3, 2019  
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Antwerp, Belgium  
Grauwzusters Monastery



# Certificate of Attendance

Prof. Pieter-Jan Guns, organiser, confirms that

has attended the COST meeting

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Program on back side

Pieter-Jan Guns



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**cardiovascular calcification**

Antwerp Dec 2-3, 2019



**Anja VERHULST**

University of Antwerp

