



## DEVELOPMENT WEEK

KU Leuven 02-06 September 2019

# KA2 BIOART

**“BIOART (Innovative Multi-disciplinary  
Curriculum in Artificial Implants for Bio-  
Engineering BSc/MSc Degrees)”**

## AGENDA.

**Chairs:**

Dr ing Peter Arras, Prof h.c.

Prof. Dr. ir. Eleonora Ferraris

Assoc Prof Kathleen Denis



# Agenda

## Sunday, 1st September 2019 :

- Arrival of training participants to Belgium and transfer to the accommodation (City Center Mechelen or Antwerp)
- Mechelen, Antwerp and Sint Katelijne Waver are easy to reach by train. There is a good railway connection between Brussels (airport) and Mechelen. Mechelen is a cross road for some of the most important rail tracks in Belgium.

Please check the timetables on <http://www.belgianrail.be/en/Default.aspx> .

- Cheapest tickets from Mechelen to Sint Katelijne Waver is with a “key card”, a 10-single ride cards sold in the train station. Info can be found on <http://www.belgianrail.be/en/travel-tickets/passes-cards/key-card.aspx>

*See list attached a list of hotels*

## Venue for the meetings:

KU Leuven, campus De Nayer, J. De Nayerlaan 5, 2860 Sint Katelijne Waver

Monday 2 September 2019		
8.45 – 9.15	Registration of the consortium meeting participants	F114
9.15 -9.30	Welcome of the conference participants by campus chair Prof ir Jan Ivens and local BIOART-coordinator Dr ing Peter Arras, Prof h.c.	Dr ing Peter Arras Prof Eleonora Ferraris Ass Prof Kathleen Denis
9.30-12.00	Consortium meeting	David Luengo Albert Treytl Peter Arras Eleonora Ferraris Kathleen Denis
12.00-13.00	Lunch	campus restaurant
13.00-15.00	Workgroups on course contents	F114
15.00-15.15	Coffee break	F114
15.15-16.30	Presentations of partners/consortium meeting	F114

<b>Tuesday 3 September 2019</b>		
9.15-12.15	Seminar on 3D-printing for bio-medical purposes <ul style="list-style-type: none"> <li>• Additive Manufacturing in biomedical applications, an overview</li> <li>• Tissue Engineering @ Kuleuven: a look at Prometheus</li> <li>• Tissue engineering and AM opportunities: from tissue to cell printing.</li> </ul>	F114  Prof Eleonora Ferraris  Prof Veerle Bloemen  Ing. Rory Gibney & Ing. Olivier Degryse
12.15-13.00	Lunch	campus restaurant
13.00-13.45	The need of corrosion prediction methods for advanced orthopedic medical implants: A Practical Body Stimulation Environmental Aspect.	Prof Amir Eliezer  F114
13.45-14.15	Patient-specific orthopedic implants manufactured by Additive Manufacturing	Guy Ben-Hamu  F114
14.30-16.00	<ul style="list-style-type: none"> <li>• AML and campus lab tour, with view of some AM biomedical applications.</li> </ul>	C019  Prof Eleonora Ferraris & Loren Devogelaer
<b>Wednesday 4 September 2019</b>		
9.00-12.00	Company visit Materialise	Technology park Haasrode  Bus leaves Mechelen train station at 9am.
12.15-13.00	Lunch at Alma, campus Arenberg (student restaurant)	
13.30-16.00	Lab visits campus Arenberg	Lab Prof Jos Vandersloten
<b>Thursday 5 September 2019</b>		
9.15-12.15	Seminar on orthopedic implants	F114  Prof Kathleen Denis

12.15-13.00	Lunch	campus restaurant, campus De Nayer
13.00-15.45	Consortium meeting	F114 David Luengo Garcia
17.00-19.00	Guided walk through Mechelen. Departure at Main train station of Mechelen	Peter Arras
19.00-21.00	Dinner	In Mechelen
<b>Friday 6 September 2019</b>		
9.15-12.15	Seminar: “Solubility of drugs leads to low bioavailability resulting in suboptimal drug delivery.”  “Introducing bio-inspired adhesive-surfaces to the field of biomedical engineering, particularly in oral cavity tissues.” material inspection by means of SEM	Ammar Aiman (JCE)  Hasem Hatam (JCE)
12.15-13.00	Lunch	campus restaurant, campus De Nayer
13.00-16.00	Seminar:  Seminar: material inspection by means of SEM	Ing. Chris Peeters, EWE Abu

**VENUE:**

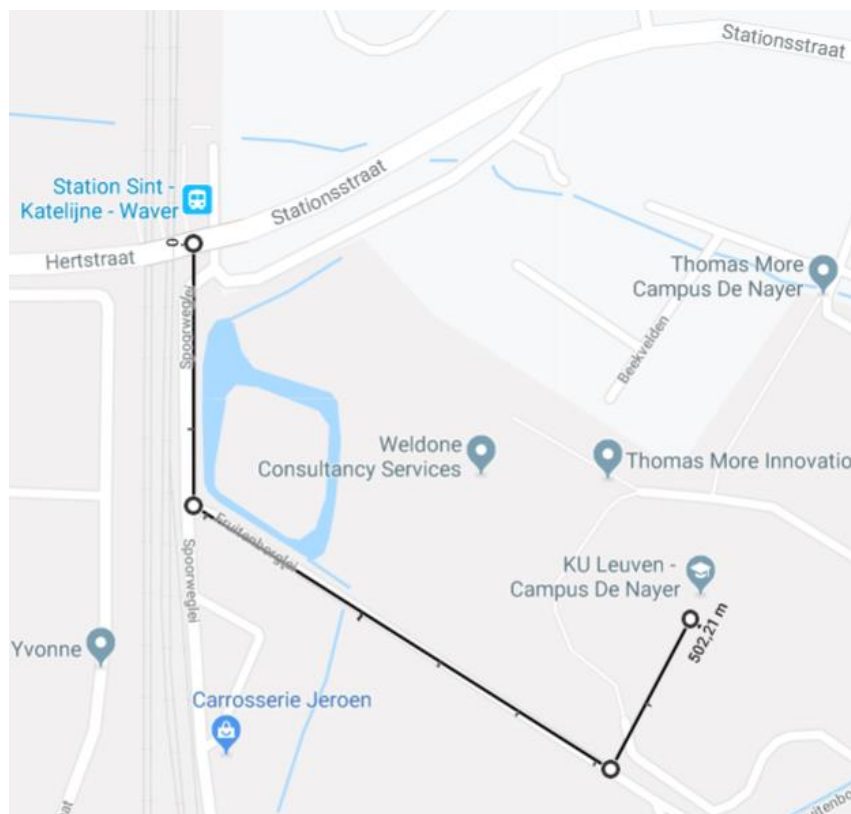
**KU Leuven, campus De Nayer, J. De Nayerlaan 5, 2860 Sint Katelijne Waver**

**Train :**

**Station “Sint-Katelijne-Waver”**

### Map and address:

KU Leuven, campus De Nayer, J. De Nayerlaan 5, 2860 Sint Katelijne Waver



### HOTELS :

Recommended hotels in Mechelen: (train 1 or 2 stops = 6 min)

- Youth-hostel "De Zandpoort":  
<https://www.jeugdherbergen.be/en/mechelen>
- Hotel: hotel 3 Peerdekens, hotel Elizabeth, NH hotel

Hotels in Antwerp: (train 4-5 stops = 25 min)

**Participants list: (name as on the namebadge)**

	Name	Partner	email	
1	Peter Arras	KU Leuven	<a href="mailto:Peter.arras@kuleuven.be">Peter.arras@kuleuven.be</a>	Mechanical Department
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3	Kathleen Denis	KU Leuven	<a href="mailto:Kathleen.denis@kuleuven.be">Kathleen.denis@kuleuven.be</a>	Sensors
4	Chris Peeters	KU Leuven	<a href="mailto:Chris.peeters@kuleuven.be">Chris.peeters@kuleuven.be</a>	Material Sciences
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6	Vivek Jeyakumar	Danube University Krems, Austria	<a href="mailto:Vivek.jeyakumar@donau-uni.ac.at">Vivek.jeyakumar@donau-uni.ac.at</a>	Department for regenerative medicine
7	José David Osés del Campo	Universidad Politecnica de Madrid	<a href="mailto:josedavid.oses@upm.es">josedavid.oses@upm.es</a>	Ingenieria Audiovisual y Comunicaciones
8	David Luengo Garcia	Universidad Politecnica de Madrid	<a href="mailto:david.luengo@upm.es">david.luengo@upm.es</a>	
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10	Szymon Gadek	Cracow University of Technology		
11	Amir Eliezer	SCE - Shamoon College of engineering, Israel	<a href="mailto:amir@sce.ac.il">amir@sce.ac.il</a>	Corrosion Research Center, nano-bio and advanced materials
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13	Inga Fedotova	Sytenko Institute of spine and joints pathology NAMS of Ukraine	<a href="mailto:ibolakadze@ukr.net">ibolakadze@ukr.net</a>	Konservative treatment and clinical research
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15	Vadim Shalomeiev	Zaporizhzhia Polytechnic National University	<a href="mailto:shalomeev@radiocom.net.ua">shalomeev@radiocom.net.ua</a>	Department of Descriptive Geometry, Engineering and Computer Graphics
16	Valeriy Naumyk	Zaporizhzhia Polytechnic National University	<a href="mailto:vnaumik@gmail.com">vnaumik@gmail.com</a>	Vice-rector for scientific work and international activities
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30	Hasem Hatam	Jerusalem college of Engineerig		Pharmacy
31				



## Contacts:

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