

**Program of the TRANSMIT workshop**  
Université catholique de Louvain, Brussels, Belgium  
Organizer: Prof. Pierre Sonveaux, [pierre.sonveaux@uclouvain.be](mailto:pierre.sonveaux@uclouvain.be)  
26-27 October 2018

*Local contact: ESR Luca Zampieri, [luca.zampieri@uclouvain.be](mailto:luca.zampieri@uclouvain.be), for any practical questions about housing/hotels, public transportation in Brussels, how to reach the airport ...*

**Friday October 26<sup>th</sup>, 2018: Visit of the European Community**

**DO NOT FORGET YOUR ID CARD!**

**Where?** Charlemagne building, Room CHAR 1, Rue de la Loi 170, 1040 Brussels. Entrance Rue du Taciturne. **Closest Metro station = Schuman.**

**When?** 13:40 until 18:30

**What?** The full program is annexed.

**What after?** At 19:30, all the ESRs meet for dinner with Prof. Sonveaux in a restaurant downtown Brussels. The name of the restaurant and place will be communicated later.

**Saturday October 27<sup>th</sup>, 2018: Workshop**

**Where?** On the campus of the Université catholique de Louvain, Avenue Emmanuel Mounier 52, Pole of Pharmacology and Therapeutics, Tour Vésale 5<sup>th</sup> floor, 1200 Brussels. **Closest metro station = ALMA**

**When?** 10:00 until 16:00

**Who?** Your techecher will be Caroline Bouzin, PhD, responsible of the imaging platform of the IREC Institute.

**What?**

**Imaging tools for cells and tissue sections  
sample preparation - image acquisition - image analysis  
(general topics + focus on mitochondria/hypoxia)**

*During this workshop, we will browse an overview of the imaging tools currently available to detect and quantify specific targets (proteins, ROS...) at the cell and tissue level.*

**10:00 - 12:30: General concepts & open discussion about:**

**Sample preparation** - A good image cannot be generated from a "crappy" sample...  
The goal of this part is to give to ESRs complete information on how to design a

cell/tissue staining. Basic, but crucial, questions will be discussed such as “how do I fix my sample? How do I select a primary antibody? Which detection method do I choose (fluor-brightfield)? Which dyes? Which mitochondria dyes are available?”...

**Image acquisition:** *Accurate image processing and measurements require good raw data.* In this section, we will discuss about imaging options, the basics of fluorescence microscopy, combination of fluorescent dyes and filters...

**Image analysis:** Automated analysis of digital images allows quantitative, objective, characterization of morphological observations and/or of protein expression. Here, we will focus on the description of a digital image and of the ImageJ software, a free software created by the NIH, used worldwide and recognized by the scientific community.

**12:30 - 14:00: Lunch on the Campus**

**14:00 - 16:00: ImageJ practicals:**

After theoretical aspects, you will create your own macro on ImageJ. For this, **your personal laptops will be required**,\* with ImageJ beforehand downloaded (<https://imagej.nih.gov/ij/>). We strongly invite you to send images of your own before the workshop to [caroline.bouzin@uclouvain.be](mailto:caroline.bouzin@uclouvain.be).

*\*If you do not have a laptop, contact Prof. Pierre Sonveaux as soon as possible.  
[pierre.sonveaux@uclouvain.be](mailto:pierre.sonveaux@uclouvain.be)*



# Programme

For the information visit to the [European Commission](#)

"TRANSMIT" Marie Curie: Training-through-research Project

Visit Number: 413327

Brussels, October 26, 2018 in the afternoon  
Visitors' Centre of the European Commission  
Building : Charlemagne - Rue de la Loi 170, 1040 - Bruxelles

## Practical Information

### Charlemagne



## Visit Organiser and Logistics

Name	Ms Maria Jose PASTOR
Directorate-General	Communication
Address	European Commission, Rue de la Loi 170, B-1000 Brussels
Telephone	+32(0)2 29-53984
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Visit's Assistants Office	+32(0)2 29-99106 / +32(0)2 29-55364
Number of visitors	50
Conference room	CHAR 1 - <b>Building Charlemagne</b> - Rue de la Loi 170, 1040 - Bruxelles

Visitors should ensure that they have their identity cards or passports with them at all times as they will be asked to show them when entering Commission buildings.

In case of delay please call your visit organiser or the Visit's Assistant Office

# Day Planning for October 26, 2018

Events will be taking place in:

Room **CHAR 1**

Building "**Charlemagne**" (CHAR)

Located at **Rue de la Loi 170, 1040 - Bruxelles**

📶 The building offers wireless access. You can use [guest\\_comp@comp](mailto:guest_comp@comp) / [guest\\_comp](mailto:guest_comp) to log in.

The day will include the following events:

13:40	<b><i>Arrival at Building of the EC "Charlemagne" (CHAR)</i></b> <b><i>Access by Rue de Taciturne</i></b> <b><i>Security checks</i></b> Welcome by Maria José PASTOR, Member of the Visitors Centre at the Directorate-General for "Communication"
14:00	<b><i>THE EUROPEAN COMMISSION, EXECUTIVE OF THE EU: Priorities and Future</i></b> Meeting with Joe VANDERCAPPELLEN, Member of the speakers' team at the Directorate-General for "Communication"
15:15	<b><i>Break</i></b> COFFEE
15:30	<b><i>MARIE SKLODOWSKA-CURIE ACTIONS: making Europe an attractive location for researchers</i></b> Meeting with Frank MARX, Member of the "European Commission Research Executive Agency" (REA)
16:30	<b><i>HEALTH AND MEDICAL PRODUCTS: Healthcare system driven by innovation</i></b> Meeting with Stefaan VAN DER SPIEGEL, Team leader of the Unit " Medical products: quality, safety, innovation" at the Directorate-General for "Health and Food Safety"
17:30	<b><i>THE EUROPEAN RESEARCH COUNCIL (ERC): A key partner in the research &amp; innovation area</i></b> Meeting with is Fiona KERNAN, Head of Sector in the Unit "Life Sciences" at the "European Research Council Executive Agency" (ERC)
18:30	<b>End of the information visit in the European Commission</b>

## Links to other websites

### The Commission and its Priorities



[http://ec.europa.eu/index\\_en.htm](http://ec.europa.eu/index_en.htm)

### Commission presents White Paper on the Future of Europe



[https://ec.europa.eu/commission/news/commission-presents-white-paper-future-europe\\_da?2nd-language=en](https://ec.europa.eu/commission/news/commission-presents-white-paper-future-europe_da?2nd-language=en)

### Consultation on the Future of Europe



[https://ec.europa.eu/commission/consultation-future-europe\\_en](https://ec.europa.eu/commission/consultation-future-europe_en)

### #EUANDME



<https://europa.eu/euandme/en/>

### Investment Plan



[http://ec.europa.eu/priorities/jobs-growth-and-investment/investment-plan\\_en](http://ec.europa.eu/priorities/jobs-growth-and-investment/investment-plan_en)

### Horizon 2020



<https://ec.europa.eu/programmes/horizon2020/>

### JOINT RESEARCH CENTRE



<https://ec.europa.eu/jrc/>



