



European Training Network
in Safety Pharmacology



Summer School

20-24 JUNE 2022

Venue: Universiteitssingel 50
6229 ER Maastricht - ROOM K5.467



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SCHEDULE

MONDAY, 20th

09:00 - 16:00

Workshop "Mass Spectrometry Imaging"

09:00 Presentations by Berta Cillero-Pastor, Ian Anthony, Benjamin Balluff and Eva Cuypers, all members of the M4I Group

Poster Session & Lab Demonstrations

TUESDAY, 21st

09:00 - 12:00

Workshop "Social Media Communication"

By Superkraft and Social Media Team

13:30 - 15:00

Translational *in-vivo* CV studies

By Paul G.A. Volders, CARIM, University of Maastricht

WEDNESDAY, 22nd

09:00 - 12:00

IP Management and Valorisation

By Stephan L.M. Peters, Brightlands Maastricht Health Campus

13:00 - 16:00

Data Analysis & Mathematical Modelling

By Damiano Lombardi, INRIA

THURSDAY, 23rd

09:00 - 16:30

Workshop "Job-Seeking Techniques"

By Charlotte Van Beirendonck, Quintessence Consulting (partner organisation of INSPIRE)

FRIDAY, 24th

09:00 - 12:00

Signal/Data Processing and Visualizations in Drug Discovery

By Sylvain Bernasconi, NOTOCORD

13:00 - 16:00

Workshop "E-course Preparation"

ESR individual learning modules

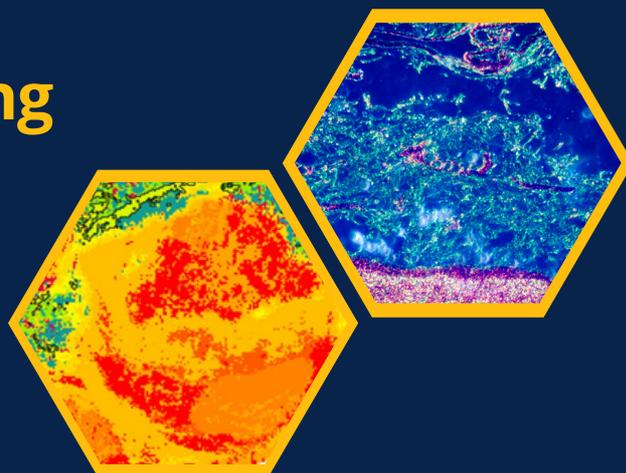
By Pieter-Jan Guns and Paz Yanez

LECTURES & WORKSHOPS

Mini-symposium Mass Spectrometry Imaging

20 JUNE 2022

Maastricht University
Building UNS50, K5 467



8:45 Arrival & coffee

9:00 Principles & applications of MSI. By Berta Cillero Pastor

9:30 Instrumentation. By Ian Anthony

10:00 Coffee break

10:15 Data analysis. By Benjamin Balluff

10:45 Mass Spectrometry in the operating room. By Eva Cuypers

11:15 Poster session

12:15 Lunch break

13:15 Lab demonstrations

1. iknife, by Sylvia Nauta

2. MALDI MSI, by Charles-Henri van Assche & Lidia Molina Millán

3. SIMS, by Layla Nasr

LECTURES & WORKSHOPS

Workshop "Social media communications"

Lien Brouillard, founder of Superkraft.

Learning outcome: Best strategies to communicate science on social media channels, including how to translate project values to good social content and feedback to past and ongoing INSPIRE social media actions.

Translational *in-vivo* CV studies

Paul G.A. Volders, PhD, MD, Professor of Genetic Cardiology and Principal Investigator at CARIM, School for Cardiovascular Diseases, Maastricht University Medical Centre+

Learning outcome: Translational research: focus on the patient | Clinical management of patients representing with arrhythmia | Challenges in Cardio-oncology | Insight in the correlation between in-vitro and in-vivo and translation to clinical studies | Genotype – phenotype relationships and personalized medicine approach | Can in silico modelling help to bridge the gap? | Regulatory framework in human studies: handling patients data | Workshop on clinical cases.

Data analysis and mathematical modelling

Damiano Lombardy, Research Scientist, COMMEDIA - Computational mathematics for bio-medical applications, INRIA

Learning outcome: Elements of data assimilation, problems description | Use of a *priori* and a *posteriori* information: inverse problems and machine learning perspectives | The role of mathematical modelling | Example of applications.

Signal/data processing and visualizations in drug discovery

Sylvain Bernasconi, PhD, Operations Manager & Product Director, Safety Pharmacology at NOTOCORD

Learning outcome: Physiological signals analysis and interpretation | Displays, graphs and charts: how to choose the right ones | Data acquisition requirements depending on analysis objectives | Introduction to the architecture of NOTOCORD software: look and feel | Applications of signal processing: a review of case studies (ECG, BP, LVP, HRV, etc.) | Regulatory framework: software usage in a GLP environment.

Workshop "Job-Seeking Techniques"

Charlotte Van Beirendonck, Consultant at Quintessence Consulting

Learning outcome: The workshop will try to respond to (1) How do you overcome personal challenges when looking for a job? ; (2) What makes you stand out?; (3) How to write the perfect resume?; and (4) How do you become a legend in job interviews?

ASSIGNMENTS

ASSIGNMENT 1 - ESR PRESENTATION FOR ANNUAL MEETING

Deadline: to be sent to info.INSPIRE@uantwerpen.be by **June 24th**

Prepare a presentation (~15 min) describing the status of your research, including the scientific plan for the coming months and an update of your secondments' plan. These slides will be presented during the INSPIRE Annual Meeting on June 27th.

ASSIGNMENT 2 - UPDATE YOUR PERSONAL CAREER DEVELOPMENT PLAN

Deadline: to be sent to info.INSPIRE@uantwerpen.be by **Thursday, September 27th**

It's time to update your PCDP. Please make sure that it is reviewed and approved by your supervisor(s) before submission.

ASSIGNMENT 3 - E-COURSE (INDIVIDUAL LEARNING MODULE)

Deadline: to be sent to info.INSPIRE@uantwerpen.be by **Friday, September 23rd**

Each ESR will develop an e-learning module about his/her research project. Together, this will constitute a 15-Module E-Course to promote as part of the INSPIRE outreach strategy. Additional details about the preparation of this assignment will be given during the summer school.

ASSIGNMENT 4 - EVALUATION QUESTIONNAIRE

Deadline: **Friday, July 3rd**

Please respond to the following anonymous evaluation questionnaire before the deadline: https://uantwerpen.eu.qualtrics.com/jfe/form/SV_0SZveKw7ghGuwiW

SOCIAL PROGRAMME

MONDAY, 20th

**19:00 GROUP DINER
RIVERSIDE LOUNGE**

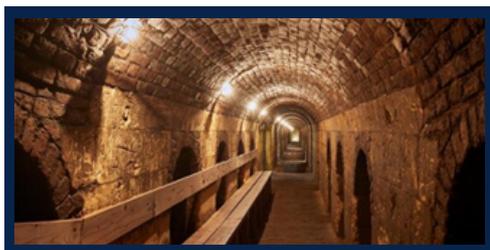


You are invited to a group dinner at the restaurant Riverside Lounge, where we will enjoy the views to the Maas. The meeting point will be the restaurant at (Maaspromenade 78, 6211 HS Maastricht). We will convene at 19:00 CET.

Please confirm your attendance and make a menu choice before June 10th by filling [**THIS FORM**](#).

THURSDAY, 23rd

**17:30 MAASTRICHT
UNDERGROUND**



On Thursday, you are invited to take part in a dynamic adventure game organised in the underground tunnels and bunkers of the Kazematten. Organised in groups, you will have to find the way out of this labyrinth of passageways, levels and steps without getting distracted by the odd characters wandering around.

Please confirm your participation before June 1st by filling [**THIS FORM**](#).

Starting point: Cabergerweg, next to the Babydumpshop, in the park.

Dinner suggestions: the ending point of the activity is at the Borgesiusplantsoen / Tongerseplein. There is a great restaurant there called "De Tramhalte". Few 100 meters further away, you find "Harvey's Kitchen". Also, 15 minutes walk to the Vrijthof Square, you find many restaurants for a good dinner.

VENUE

MAASTRICHT UNIVERSITY

Maastricht University (UM) is the most international university in the Netherlands and, with nearly 22,000 students and 4,400 employees, is still growing. The university distinguishes itself with its innovative education model, international character and multidisciplinary approach to research and education. Thanks to its high-quality research and education, as well as a strong focus on social engagement, UM has quickly built a solid reputation. Today, it is considered one of the best young universities in the world.

Located in the heart of Europe, UM can rightly call itself the European university of the Netherlands. More than half of our student population and almost half of our academic staff come from abroad. Together, they represent more than 100 different nationalities.



THE BUILDING AT UNIVERSITEITSSINGEL 50

The building at Universiteitssingel 50 (UNS50), part of the 'Medizinische Kleinstadt' ('medical district'), was built in 1990. It provides meeting rooms, lecture halls, classrooms, computer resource centres, conference rooms, laboratories, laboratory animal facilities, workstations, archives, offices and the complex technology required for all of these.



GET TO THE VENUE

BY CAR

Because of its central location, Maastricht is accessible by car from all directions.

- From the north (Amsterdam, Utrecht, Eindhoven) E25/A2
- From the west (Brussels, Hasselt) E40 > E25/A2 or E314/A2
- From the south (Paris, Liège) E40 > E25/A2
- From the east (Berlin, Düsseldorf, Köln/Bonn) A79

(200 Km from Amsterdam, 110 Km from Antwerp, 650 Km from Berlin, 100 Km from Brussels, 490 Km from London, 400 Km from Paris, 200 Km from Rotterdam).

The parking lot next to the building "Universiteitssingel 50" is accessed via the Verheylaan, and the building via the walkway. Once inside, you can go left through the swinging doors and take the blue elevator to the 5th floor to find room K5.467. **If you plan to take the car to Maastricht, please inform us in advance.**

BY TRAIN

Maastricht has excellent train connections both national and international. Every 30 minutes, there is an intercity train connection with Eindhoven, Utrecht and Amsterdam. Frequently, there are connections to Liège (Belgium), Brussels (Belgium) and Aachen (Germany) where you can change to international trains (Thalys, TGV, Eurostar). Maastricht has three railway stations: Maastricht Central, Maastricht North and Maastricht Randwyck. From Maastricht Central, you can walk directly into the city centre where many hotels are located. **Randwyck Station is located only 250 meters from the venue.** From Maastricht Central Station, a train to the Randwyck Station departs four times an hour and the travel time is 3 minutes.

From Randwyck station: you take the stairs and turn right; then you cross the street and follow the road down. You find the university on your left. You can enter that building (Universiteitssingel 40 / UNS40). Once inside, you walk in a straight line to Universiteitssingel 50 via the walkway/indoor bridge. Go straight ahead until you see the reception of Universiteitssingel 50 / UNS50) on your left. Turn right through the swinging doors and take the blue elevator to the 5th floor to find **room K5.467**.

BY PLANE

Maastricht has its own airport: Maastricht-Aachen Airport. In addition, there are several (inter)national airports within an hour's drive from the centre of Maastricht. The preferred airports are Brussels Zaventem Airport and Dusseldorf Airport. Others are Eindhoven Airport, Brussels/Charleroi Airport, Düsseldorf/Weeze Airport, Köln/Bonn Airport and Liège Bierset Airport. All they within one hour drive.

GET TO THE VENUE

PUBLIC TRANSPORTATION

From the Central Station, you can either **take the train to Randwyck Station** or the **bus lines 1, 5, 7, 15 or 57** to get off at the stop 'Maastricht, Forum MECC'. The Building Universiteitssingel 50 is at 4-minute walking distance (350 m). **The ride fare is 2.50 EUR.** Please note that cash is no longer accepted in buses. If you wish to purchase your ticket on the bus, you can pay by (contactless) debit or credit card.

E-tickets: if you can travel to your destination on a direct Arriva bus or train service, you can easily purchase an e-ticket through the **Journey Planner** by entering your departure and destination stops, selecting the date and indicating whether it's a one way/return ticket.

One-way and return journeys: if you are travelling by bus, you can purchase a one-way ticket from the bus driver. If you are travelling by train, you can easily purchase a single-use OV-chipkaart for your journey from the ticket machine at the station. The fare will depend on your destination.

Download the bus network map for Maastricht [HERE](#)



ACCOMMODATION

You find below a non-exhaustive list of accommodation options not far from the venue. Please note that other cultural events are planned in Maastricht in June, which are creating a large flow of hotel bookings. **You are strongly advised to prepare your travel arrangements as soon as possible.**

The ESRs are supposed to discuss the accommodation budget limit with their supervisors. These costs are to be covered by each beneficiary and not by the INSPIRE central budget. Considering to book a shared room/apartment can be a suitable solution.

0. Airbnb | Maastricht ([LINK](#))

1. Aparthotel Randwijck | 5 min walking to the venue

<https://www.aparthotelrandwyck.nl/en/>

Guesthouses at €45 / night and rooms at €84 / night (breakfast excl.)

Only available from 26 to 28 June

2. The Green Elephant Hostel Maastricht | 15 min by bus

<https://www.thegreenelephant.nl/>

Room prices range from ~€85 to €250 /night (2-, 3-, 6-persons rooms)

3. easyHotel Maastricht City Centre | 25 min by bus

<https://easyhotelbenelux.com/maastricht-city-centre/>

Room prices range from ~€140 to €180 / night

4. Select Hotel Maastricht | 34 min by bus / 8 min by car

<https://www.novum-hotels.com/nl/hotel-apple-park-maastricht>

Room prices range from ~€160 to €180 /night

5. Kaboom Hotel Maastricht | 15 min by bus

<https://www.kaboomhotel.nl/nl/>

Room prices range from ~€160 to €200 / night

6. Townhouse Hotel Maastricht | 15 min by bus

<https://www.townhousehotels.nl/>

Room prices range from ~€180 to €280 /night

PRACTICAL INFO

COURSE MATERIAL

All the supporting material for participants, as well as the slides of the lectures will be shared on Teams: INSPIRE > General > Files > INSPIRE Summer School 2022.

ECTS AND CERTIFICATES

The successful completion of the Summer School 2022 will be awarded with 3 credits according to the European Credit Transfer System (ECTS). These will only be awarded upon submission of all the assignments. Recognition of the credits in your home curriculum should be agreed upon with your home institution.

The certificate of attendance will be provided to all participants in this summer school on the last day of training, June 24. The certificate of completion will be sent by email upon completion of the assignments.

WEATHER IN MAASTRICHT

The average minimum temperature in Maastricht in June is 10.0°C (50°F) and the maximum is around 20.0°C (68°F). It is not the wettest month of the year, but rain is always possible. It is highly recommended to plan on bringing a waterproof rain jacket, just in case. (And keep checking the weather forecast ;-)).

PHONE NUMBERS

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