



# AQUALity Summer School in Photochemistry and depollution

## AGENDA

**Date:** Clermont-Ferrand, 25<sup>th</sup>-27<sup>th</sup> April 2018

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**Venue:** Maison des Sciences de l'Homme, 4 rue Ledru 63000  
Clermont-Ferrand (France)

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The «Institut de Chimie de Clermont-Ferrand, UMR 6296, Equipe Photochimie», CNRS, organises the AQUALity Summer School in Photochemistry and depollution in the context of the European Marie Curie ITN project Aquality.

The Summer School is designed for graduate and PhD students, post-doctorates and any scientists to acquire or refresh his knowledge in fundamental photochemistry applied to the pollution abatement in the environment and in water treatments. It will be an ideal opportunity for participants to meet colleagues in the field.

### Program:

During the three days, the main focus will be given on:

- Fundamental photochemistry and direct photolysis
- Role of iron species in the environment and AOPs
- Role of NOM in the fate of micropollutants.

### Invited speakers:

- Pr G. Abbt-Braun (Karlsruher Institut für Technologie)
- Pr A. Bianco-Prevot (Università degli Studi di Torino)
- Pr M. Marin (Universitat Politècnica de València).





## **Speakers of Institut de Chimie de Clermont-Ferrand:**

- Pr M. Brigante
- Dr G. Mailhot
- Dr C. Richard
- Dr P. de Sainte-Claire
- Pr M. Sarakha, Dr M. Sleiman

Two open sessions will be available for short communications by the participants.

This Summer School gives 3 ECTs to doctorants.





**AQUALity Project**  
**Marie Skłodowska-Curie Action**  
**Innovative Training Network**  
**PROGRAM**



<b>Wednesday 25<sup>th</sup> April 2018</b>	
<b>Fundamental Photochemistry and micropollutants photolysis</b>	
9-9h10	Welcome
9h10-10h40	Introductory conference by Pr M. Marin  Title: Fundamentals of photochemistry
10h40-11h	<i>Coffee-break</i>
11h-12h30	Pr M. Sarakha  Title: Phototransformation of micropollutants in water
<i>Lunch</i>	
14h-15h	Dr P. de Sainte-Claire  Title: Quantum chemistry as a tool to study photochemical reactions
15h-16h	Oral presentations from participants
16h-16h20	<i>Coffee-break</i>
16h20-17h30	Oral presentations from participants

<b>Thursday 26<sup>th</sup> April 2018</b>	
<b>Role of the natural organic matter in the fate of micropollutants</b>	
9h-10h30	Pr G. Abbt-Braun  Title: Characterization of natural organic matter in water
10h30-11h	<i>Coffee-break</i>
11h-12h30	Dr C. Richard  Title: Photochemistry of humic substances
<i>Lunch</i>	
14h-15h	Dr M. Sleiman  Title: Overview of analytical methods
15h-17h	Visit of ICCF laboratory





**Friday 27<sup>th</sup> April 2018**

**Role of Fe species in the environment and advance oxidation processes**

9h-10h30	Dr G. Mailhot Title: Photochemistry of iron complexes : use in advance oxidation processes
10h30-11h	<i>Coffee-break</i>
11h-12h30	Pr A. Bianco-Prevot Title: Hybrid magnetic iron oxides – organic photosensitizers: use in the removal of organic pollutants
	<i>Lunch</i>
14h-15h	Pr M. Brigante Title: Radical chemistry in water
15h-16h	Oral presentations from participants
16h-16h20	<i>Coffee-break</i>
16h20-17h30	Oral presentations from participants





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**Innovative Training Network**  
**ATTENDANTS**



<b>Host Institution</b>	<b>ESRs</b>	<b>Signature</b>
UNIPMN	Masho Hilawie Belay – to be confirmed	Not started
UNITO	Nuno Gonçalves	
UOI	Jimenez Holgado	
EP	Zsuzsanna Varga	
AAU	Reni Dimitrova	
SMAT	Dimitra Papagiannaki	
UPV	Alice Pavanello	
KTU	Kyrilis Efstathios	
CIEMAT	Ivan Matías Sciscenko	Not started
CNRS	Davide Palma	
CIEMAT	Ilaria Berruti	Not started
AAU	Katarzyna Janowska	
LQT	Esra Eray	
UNITO	Fabrcio Eduardo Bortot Coelho	
CIEMAT	Dennis Deemter	Not started





## **HOW TO REACH Clermont-Ferrand**

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Clermont-Ferrand is located in Auvergne. The natural environment around the city is exceptional with diversity of landscapes and the unique volcanic landscape, in particular the beauty spots of the puy de Dôme (giant among Auvergne's volcanoes). Clermont-Ferrand is also famous for its very special black stone architecture in the old city center.

### **Important web links:**

Maps of the Clermont-Ferrand city: <http://www.clermontferrandtourism.com/>

Public transport in Clermont-Ferrand: <http://www.t2c.fr/>

### **By plane**

International [Airport Clermont-Ferrand Auvergne](#) - Direct fly connections to Paris

### **By train**

Clermont-Ferrand railway station is near the city center (10' walking or bus line B)

Main direct connections to Paris and Lyon:

<https://www.gares-sncf.com/fr/gare/frcfe/clermont-ferrand>

### **By car**

Motorway A89 to Bordeaux and Lyon, A71 to Paris, A75 to Montpellier





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The summer School will take place in Maison des Sciences de l'Homme:

Maison des Sciences de l'Homme (MSH)

4 rue Ledru 63000 Clermont-Ferrand

Google map:

<https://www.google.fr/maps/place/Maison+des+Sciences+de+l'Homme/@45.7699597,3.087512,18z/data=!4m5!3m4!1s0x47f71beb87c2c245:0x43bfdb81e9d8a257!8m2!3d45.7699597!4d3.0886063>

## **HOW TO REACH THE VENUE**

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### **To reach MSH from railways station**

Bus n°3 at stop "Gare SNCF", direction « Aubière »

Stop at "Universités", boulevard François Mitterrand

### **To reach MSH from campus universitaire des Cézeaux**

Tramway at stops "Campus" or "Cézeaux Pellez" destination Les Vergnes

Stop at "Universités"

### **To reach MSH from Clermont-Auvergne Airport**

Bus n°20 at stop "Aéroport", destination Gerzat Champfleuri

Stop at stop « Musée d'Art Roger Quilliot »

Take the tramway destination La Pardieu Gare

Stop at "Universités"

**By taxi:** Taxi stands are near the Terminal.

Phone: (+33)473195353 or (+33)473315315





### **Maison internationale universitaire (MIU)**

9 rue Kessler 63000 Clermont-Ferrand

<http://www.crous-clermont.fr/miu>

### **Holiday Inn**

59 Boulevard François Mitterrand, 63000 Clermont-Ferrand

<https://www.ihg.com/holidayinn/hotels/us/en/clermont-ferrand/cfcfr>

### **P'tit def hotel Clermont**

Cours Raymond Poincaré, 63000 Clermont-Ferrand

<http://www.pdjhotel-clermont-centre.com/>

### **Hotel Kyriad Prestige Clermont-Ferrand**

25 Avenue de la Libération, 63000 Clermont-Ferrand

<https://www.kyriad.com/fr/hotels/kyriad-prestige-clermont-ferrand>

### **Appart'City Clermont-Ferrand Centre - Appart Hôtel**

46 Boulevard Pasteur, 63000 Clermont-Ferrand

<https://www.appartcity.com/fr/destinations/auvergne/clermont-ferrand/clermont-ferrand-centre.html>

