

impARAS

Training school

The use of Proteomics and Mass Spectrometry analysis to improve allergenicity risk assessment strategies.

November 29th – December 1st, 2017

Liège University

Liège - Belgium



For more information please visit: <http://imparas.eu/training-schools/>

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Royaume-Uni

Île de Man

ANGLETERRE

PAYS DE GALLES

Pays-Bas

Belgique

Luxembourg

France

Suisse

Allemagne

Tchéquie

Autriche

Italie

Liverpool Manchester

Cambridge

Oxford

Londres

Bristol

Cardiff

Brighton

Southampton

Plymouth

Manche (mer)

Guernesey Jersey

Brest

Rennes

Nantes

Tours

La Rochelle

Limoges

Clermont-Ferrand

Lyon

Grenoble

Bordeaux

Toulouse

Nîmes

Montpellier

Marseille

Monaco

Cannes

Amsterdam

La Haye

Anvers

Bruxelles

Lille

Dortmund

Essen

Cologne

Francfort

Mannheim

Karlsruhe

Strasbourg

Stuttgart

Zürich

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Lyon

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Genève

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Verone

Venise

Padoue

Hambourg

Brême

Hanovre

Wolfsbourg

Brunswick

Magdebourg

Leipzig

Dresde

Kiel

Lübeck

Rostock

Szczecin

Bydgosz

Po

Poznań

Wrocław

Prague

Kato

Ostr

Brno

Vienne

Bratislav

Graz

Slovénie

Zagreb

Trieste

Croatie

Zadar

Split

Golfe de Gascogne

Gijón

Santander

Saint-Sébastien

Bilbao

Oviedo

Mer Adri



Video : https://youtu.be/NPyc_G2CMnl

Philosophy of the Mass Spectrometry Laboratory, Prof. E. De Pauw

- Fundamental research
- High end instrumentation
- Research driven high quality services
- Dedicated expertise
- Flexible collaborative schemes ranging from "standard" services to customized developments and consulting
- Service activities within a quality (traceability and SOP) management environment

Analytical Chemistry Laboratory – CART - ISO17025
LSM-CART-GIGA Proteomics platform – AFMPS agreement

Training program

ESRs will be trained on gel-based and MS- based proteomic methods enabling the study of the physico-chemical properties of allergens

Theory :

- Basics of mass spectrometry and gel-based proteomics
- Advanced techniques including de novo sequencing, post translation modifications analysis, crosslinking MS, ion mobility mass spectrometry, absolute quantitation assay, MALDI imaging

Hands-on :

- Entire protein mass determination analysis
- Optimized protein digestion experiment and LC-MSMS analysis for full PTMs and protein sequence determination
- Glycoproteomic analysis
- Bioinformatic tools
- 2D Gel- immunoblotting

Hands-on will be performed on samples provided by the trainees (limited number of samples, provided in September). If available, the reference pair of allergens (Tropomyosins) will be analyzed.

Wednesday 29th of November		Thursday 30th of November		Friday 01st of December	
8.45-10h15		8.45-10h15		8.45-10h15	
Theory		Theory		Theory	
10.15-10.35		10.15-10.35		10.15-10.35	
Coffee Break		Coffee Break		Coffee Break	
10.35-12.05		10.35-12.05		10.35-12.05	
Theory		Theory		Theory	
12.05-13.30		12.05-13.30		12.05-13.30	
Lunch		Lunch		Lunch	
13.30-15.30		13.30-15.30		13.30-15.30	
Hands-on Group 1	Hands-on Group 2	Hands-on Group 1	Hands-on Group 2	Hands-on Group 1	Hands-on Group 2
15.30-15.50		15.30-15.50		15.30-15.50	
Coffee Break		Coffee Break		Coffee Break	
15.50-17.30		15.50-17.30		15.50-17.30	
Hands-on Group 1	Hands-on Group 2	Hands-on Group 1	Hands-on Group 2	Conclusion and Discussion	Conclusion and Discussion

Practical info

Organizers:

Gabriel Mazzucchelli (local)

Paola Roncada

With the help of Marloes

Dates and location:

November 29th – December 1st,

Mass Spectrometry Laboratory, Prof. E. De Pauw, University of Liège, Belgium

Travel grants:

12 travel grants available for meal and accommodation expenses

August 29th:

Registration open

September 7th:

Registration deadline

Mid-September:

Acceptance letter to selected applicants

End of September:

Collecting samples



Welcome
in

LIEGE

