

Dr. Claire Delacour

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WORK EXPERIENCE

June 2021

Porcheville - France

Flow chemistry Engineer

2017-2021

Leuven – Belgium

**PhD student (ESR) in the Marie-Sklodowska-Curie ITN COSMIC project:
KU Leuven, Chemical Engineering department**

March to September 2017

Braine L'Alleud – Belgium

**Master student and Engineer trainee in a chemistry laboratory: UCB
Pharmaceuticals:**

Mai to September 2016

Mechelen - Belgium

Technician trainee in a medicinal chemistry laboratory: Galapagos NV

EDUCATION AND QUALIFICATIONS

2017-2021

Leuven – Belgium

**PhD student (ESR) in the Marie-Sklodowska-Curie ITN COSMIC project:
KU Leuven, Chemical Engineering department**

2014-2017

Toulouse - France

Engineer Degree in Chemistry:

National Polytechnic Institute of Chemical Engineering and Technology
(ENSIACET)

2016-2017

Toulouse - France

Master Degree in Bioprocesses and Chemical Processes:

Paul Sabatier University

SCIENTIFIC CONTRIBUTIONS

C. Delacour, C. Lutz, S. Kuhn. Pulsed ultrasound for temperature control and clogging prevention in micro-reactors, *Ultrasonics Sonochemistry*, 55, 67-74 (2019) DOI: 10.1016/j.ultrasonch.2019.03.12

Z. Dong, **C. Delacour**, K. Mc Carogher, A.P. Udepurkar, S. Kuhn. Continuous ultrasonic reactors: Design, mechanism and application, *Materials*, 13, 344 (2020) DOI: 10.3390/ma13020344

C. Delacour, D.S. Stephens, C. Lutz, R. Mettin, S. Kuhn. Design and characterization of a scaled-up ultrasonic flow reactor, *Organic Process Research & Development*, 24(10), 2085-2093 (2020) DOI: 10.1021/acs.oprd.0c00148

CONFERENCE CONTRIBUTIONS

C. Delacour, Z. Dong, S. Kuhn. Design of a low frequency ultrasonic microreactor, 16th Meeting of the European Society of Sonochemistry (ESS16), Besançon (France), 15-19 April 2018: Poster presentation.

C. Delacour, C. Lutz, S. Kuhn. A low-frequency ultrasound reactor for continuous flow precipitation reactions, International Conference on Micro Reaction Technology 2018 (IMRET 2018), Karlsruhe (Germany), 21-24 October 2018: Oral presentation.

C. Delacour, C. Lutz, S. Kuhn. Scale-up of an ultrasonic milli-reactor for continuous flow precipitation, Second International Process Intensification Conference (IPIC 2019), Leuven (Belgium), 15-19 April 2019: Oral Presentation.