

Boris Louis

Chemist, PhD Candidate in Physical chemistry. I have 4 years of research experience in advanced imaging and spectroscopy methods. I also developed skills in data analysis, in particular image processing. I acquired international experience during my dual degree PhD between KU Leuven (Belgium) and Lund University (Sweden). Being involved in different teams and projects made me develop a high versatility and teamworking.

Experience

From Oct 2018 to now FWO PhD fellowship for fundamental research

From Sep 2016 to now: Joint PhD between *KU Leuven* (Belgium) and *Lund University* (Sweden). Tentative thesis title: Fluorescence microscopy, a versatile tool to unravel polymer properties.

From Jun 2016 to Sep 2016: Researcher at *KU Leuven*. I was involved in the development of imaging methods and imaging conditions for optical DNA mapping using super-resolution methods (e.g. STED, STORM).

Publications

1. Soft Matters 2020, see [here](#)
2. ACS Energy Letter 2019, see [here](#)
3. Nature Communications 2019, see [here](#)
4. Physical Chemistry Chemical Physics, 2018, see [here](#)

Education

Jun 2016: Master in Chemistry (**Summa Cum Laude**) from the University of Liege. Master thesis at KU Leuven in **Prof. Dr. Hofkens** single-molecule detection group: *Stimulated emission depletion microscopy for super-resolution optical DNA mapping*.

Year 2014-2015 : Erasmus Student at Lund University. I performed a Research project in **Prof. Dr. Scheblykin** single-molecule spectroscopy group: Investigation of the photo-stability of MEH-PPV conjugated polymer.

Jun 2014: Bachelor in Chemistry (**Magna Cum Laude**) at the University of Liege.



MSc Chemistry | R&D |
Microscopist | Image
processing and Data
analysis

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ResearchGate: [researchgate.net/Boris_Louis](https://www.researchgate.net/Boris_Louis)
Github: github.com/BorisLouis
Website borislouis.github.io/

Computer skills

Good Knowledge - Matlab, Adobe Illustrator, Python, LaTeX.

Basic Knowledge - C and C++ programming, Java, Javascript, HTML, CSS.

Languages

French - Native.

English - Very good speaking and writing.

Leisure activities

Karate (Black Belt), Fitness, Biking, Skiing, Concerts, Festivals.