

Louis Coussement - Curriculum Vitae

Address	Kerkplein 4 8800 Rumbeke	Mobile Phone	+32 499 410 377
Date of Birth	9 th September 1993	Email (academic)	Louis.Coussement@ugent.be
Nationality	Belgian	Email (personal)	Louis.Coussement@hotmail.com
Marital state	Common law (Rani Maertens)	Linkedin	Louis Coussement @ Linkedin
		Google scholar	Louis Coussement @ Google scholar

Personal Characterization



Since I was a young boy, I was fascinated by sciences and scientific anomalies. While growing up I kept a healthy interest in sciences, that is why upon graduating from high school I decided to study Bioscience engineering at Ghent University (UGent). Born one year early for the master bioinformatics, I chose 'cell- and gene biotechnology' as a specialization with a master dissertation situated in the field of bioinformatics. Since then, I have been further exploring the world of bioinformatics as a teaching assistant at the University of Ghent. I am currently looking for new challenges as a freelance bioinformatician to get acquainted with bioinformatics in a non-academic setting. With a tailored approach for your project, dataset or training, I am looking forward to cooperating.

Education

2016-present PhD. in Bioscience engineering - Ghent University

Anticipated graduation: September 2023

Doctoral thesis at Lab of Bioinformatics and Computational Genomics (BIOBIX), UGent. DNA methylation as driver of (epi)mutations with health and evolutionary consequences. Promoters: Prof. dr. ir. Tim De Meyer & Prof. dr. ir. Wim Van Criekinge

2014-2016 MSc. Bioscience engineering - Ghent University

Specialization: Cell- and Gene Biotechnology

Major: Biomedical Biotechnology

Grade: cum magna laude

Master's thesis at Lab of Bioinformatics and Computational Genomics (BIOBIX), UGent.

Our aging genome: CpG-decay throughout human evolution

Promotor: Prof. dr. ir. Tim De Meyer

2011-2014 BSc. Bioscience engineering - Ghent University

Specialization: Cell- and Gene Biotechnology

2009-2011 Science-Mathematics - Klein Seminarie Roeselare, 8800 Roeselare

2005-2009 Latin-Mathematics - Klein Seminarie Roeselare, 8800 Roeselare

Experience

Sept 2016 - present - Assisting Academic Staff

As a teaching assistant of the courses Applied High Throughput Analysis and Genome Analysis, I guide students through the basics of different "omics" analysis. We show to use state-of-the-art tools and the statistical principles for a broad range of different data types (e.g. RNA-Seq, Infinium HumanMethylation arrays, ChIP-Seq, Variant calling). The educational part of this appointment is about 30%.

My main research is situated in the field of evolutionary molecular biology, characterizing CpG decay (under the influence of DNA methylation). Next to this, several collaborations were set up often integrating expression and DNA methylation data.

Skills learned: Working out a viable concept with other people. Some insights on the managing side of startups.

**Okt 2015 -
Sept 2016** Tutor at Ecuadomo/Mysherpa

For two years I helped scholars in their humaniora or college with difficulties on mathematics or sciences.

Skills learned: Making my ideas or insights clear to other people in an understandable fashion.

**April 2013 -
April 2019** Instructor at KSA Noordzeegouw

Since 2013 I was an instructor at KSA Noordzeegouw. KSA Noordzeegouw is the overall organisation for KSA's in West Flanders. We give courses for new monitors. Besides educating new monitors, I attend the meetings where the pedagogical policy of KSA is determined.

Skills learned: Determining the pedagogical view and activities of a larger organisation. Operating from an executive function and planning policy within a large organisation.

Software/Programming Languages

■ Fair level

Unix
Perl
Html, javascript and css
Matlab/Simulink
MySQL

■ Expert level

R (Studio)
Python
L^AT_EX
Microsoft Office: Word, Excel, Powerpoint

Languages

	Speaking	Writing	Reading
English	Good	Good	Good
Dutch	Mother tongue	Mother tongue	Mother tongue
French	Sufficient	Good	Good
Spanish	Basic	Basic	Basic

Personal Characteristics

- Highly motivated
- Good team worker
- Can perform under pressure
- Fast learner
- Can plan ahead
- Punctual

Interests

- Traveling
- Cooking
- Maker community
- Sports (volleybal, cycling, running, squash)
- Reading

References

Name	Prof. dr. Tim De Meyer
Department	Lab of Bioinformatics and Computational Genomics
Contact	Tim.DeMeyer@UGent.be