



# Romain Laher, PhD

Doctor - R&D Engineer

31 years old - French

## Summary

Doctor-Engineer in synthetic organic chemistry, I developed a real interest for olfactive compounds. With my industry oriented PhD, I developed efficient methodologies in large scale synthesis of interesting olfactive compounds. I am currently evolving in the eonology industry as an R&D chemist for the extraction of wood aroma compounds

## Expertise

- Supercritical Fluid extraction
- Wine tasting
- Organic synthesis / Catalysis / GMP
- Chemical risk management
- Purification methods (Distillation, Chromatography, recrystallization...)
- Structural identification (NMR / GC/FID / GCMS / IR...)
- HPLC / SFC
- Project management / Intern management
- Teamwork
- Bibliographic research
- ISO 9001 / ISO 14001 / GMP

## Soft Skills

- Analytical mind
- Autonomous
- Creativity
- Leadership

## Language / Informatic

English : fluent (TOEIC 2015 : 930 / 990)

Spanish : Learner

Informatic : Pack Office, Reaxys, SciFinder, Chemdraw, Chem3D, Gimp, Lightroom

## Hobbies

- Drama (10 years experience)
- Photography (Landscape, portrait, macro...)
- Hiking
- Guitar
- Science
- Astronomy
- Dance

## Recommendation

Dr Julien Coulomb (Firmenich)  
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## Contact

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## Professional Experience

**2022** R&D Engineer in wood aroma extraction

**Current** Boisé France, Aire sur Adour

- Supercritical fluid extraction
- Process improvement

**2017** PhD in organic chemistry | Ph.D. (Obtained with honors)

**2020** "Synthesis of new olfactive molecules by gold catalysis"

Université Côte d'Azur | Under the supervision of Pr. Michelet V.

- Development of new catalytic methodologies to obtain olfactive molecules
- Homogeneous / gold / asymmetric - catalysis
- Chiral separation (HPLC and SFC)
- Scale-up / Design of Experiment
- Olfactive evaluation of synthesized molecules
- Excellent knowledge of the chemical processes used in the fragrance industry
- Mastery of analytical chemistry tools (RMN 1D and 2D / GC / GCMS / GC-O / IR...)
- Molecular modelisation / Structure activity relationship
- Management of interns and their project / Provider coordinator

### Prices :

SECO 57 - Best oral communication

Price received for the quality of my PhD work presentation at a national symposium



SCF - DCI - Laureate "Prix de Thèse 2021"

Price awarded by the French Chemical Society for the quality of my thesis.

### Publications :

Laher R.; Marin C.; Michelet V. When gold meets perfumes *Org. Lett.* **2020**, *22*, 4058.

Laher R.; Gentilini E.; Marin C.; Michelet V. Oxygen-Tethered 1,6-Enynes and [4.1.0]-Bicyclic Ether Skeletons as Hedonic Materials for the Fragrance Industry *Synthesis* **2021**, *53*, 4020.

**2016** Sustainable development coordinator

**2017** Expressions Parfumées, Grasse (France)

- Development of an environmental management system leading to the certification ISO 14001:2015
- Quality assurance involvement (ISO 9001:2015)
- Development of a software evaluating the naturalness of fragrance compositions (% Sustainable carbon / Biodegradability)
- Project Management
- Olfactive training: distinction of olfactive families and description of raw materials used in the fragrance industry

**Feb 2015** R&D Engineer in organic chemistry

**Sept 2015** "Synthesis of new olfactive molecules by Negishi coupling"

Firmenich, Genève (Switzerland)

- Homogenous catalysis
- Chemical Analysis
- Distillation method

## Education

**2012** Chemist Engineer | Promotion 2015

**2015** Chimie ParisTech (ENSCP) - Engineer

- Generalist chemistry training : Analytical chemistry, Solution chemistry, Organic chemistry, Process chemistry, Risk management
- Management training
- Community life involvement : "Les Cordées de la Réussite"