

CV: Hans Hansen, M.Sc. Chemistry (indsæt foto) $\frac{1}{3}$

"Chemistry is my passion because life is all about molecules!"

Ambitious and committed M.Sc. with a strong academic profile

I'm a 29-year old M.Sc. in organic chemistry, newly graduated from the Center for Catalysis, Aarhus University.

I wish to continue my scientific career as a Ph.D. student because I find organic chemistry immensely exciting, and I am dedicated to exploiting my talent for this subject to the maximum. Chemistry is a cornerstone in modern society, and I strongly believe that it should be constantly explored, developed, and refined in order to uphold and increase our living standards in a sustainable manner. Therefore, I want to pursue a career in the area of scientific R&D.

Through my studies I have contributed to the development of *asymmetric organocatalysis*, a field I took interest in because of its prospectively great impact on medicinal chemistry, agricultural chemistry, and other life sciences. This work has given me valuable experience with a broad variety of synthetic methodologies, in particular catalysis, all of which can be exploited in a Ph.D. project. I also have great skills in scientific dissemination, be it writing academic papers or teaching chemistry classes.

My core competences

- Extensive laboratory skills within chemical synthesis on normal- and microscale under all conditions
- Expert experience with a large array of analytical methods, e.g. NMR, HPLC, GC, FTIR, UV-vis, MS, etc.
- Specialist knowledge of synthetic methodologies, catalysis, and asymmetric synthesis
- Profound general understanding of organic, medicinal, and biochemistry, with excellent academic results
- Experience with working in an international research environment with English as working language

Education

2012 M.Sc. Chemistry Aarhus University (weighted GPA 11.5) M.Sc. thesis (12 /A)	Organic chemistry Advanced synthetic, mechanistic, biochemical, pharmaceutical, and NMR courses. Incl. specialised courses at University of Copenhagen and Technical University of Denmark "Expanding the Scope of xxx in xxx"
2007 B.Sc. Chemistry Aarhus University (weighted GPA 10.8)	Organic chemistry Electives: Molecular biology, nanoscience, and mathematics
2003 Upper secondary school Thisted Gymnasium (weighted GPA 10.8)	Scientific line of study A-levels: Mathematics, physics, chemistry Contestant in the national Danish Chemistry Olympiad 2002

Publications

- 1)
- 2)
- 3)

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Additional courses

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| 2013 | Course
Danish Society of Engineers | Basic GMP – Good Manufacturing Practice
Broad introduction to GMP with an emphasis on the pharmaceutical industry |
| 2011 | Course
Aarhus University | Searching databases of scientific literature
Research literature, bibliometry, and database queries |
| 2010 | Course
Aarhus University | Academic English
Written English for academic purposes |
| 2006 | Course
Aarhus University | Working environment and basic fire fighting |

Teaching

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| 2007–11 | Student teacher
Aarhus University | University and upper secondary school level
1 x <i>Upper secondary school supplementary chemistry course</i> for prospective students
2 x <i>Organic chemistry</i> and 2 x <i>Inorganic chemistry</i> , respectively, for science students
2 x <i>Chemistry for medical students</i>
Great experience with instructing students with differing chemistry interests |
| 2005 | Student advisor (volunteer)
Aarhus University | Academic and social tuition
For freshmen chemistry/molecular biology students |

IT

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| ▪ Microsoft Office | Word, Excel, PowerPoint |
| ▪ Adobe Professional | Editing larger PDF documents |
| ▪ ChemOffice | ChemDraw, Chem3D (e.g. simple molecular modelling) |
| ▪ NMR software | MestReC, Mnova, VnmrJ |
| ▪ Databases | Reaxys, SciFinder, Scopus, KIROs safety database |

Languages

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| ▪ English | High level; oral and written |
| ▪ German | High level; oral and written |
| ▪ Danish | Native tongue; style and grammar mastered flawlessly |
| ▪ Norwegian, Swedish, French | Familiarity; tourist level |
| ▪ Travelling experience | Europe (>10x), USA (3x), Australia (1x) |

General occupational experience

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| 2007 | Summertime substitute
Aarhus Municipality | Roads and parks division: renovation, paving, etc.
3 weeks, full-time |
| 2003–04 | Production operative
Bodilsen, Nykøbing Mors | Furniture manufacturer: assembly, packing, machine operation
3.5 months, full-time |

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19 July 1983

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Trusted positions

2008–	Lay judge	District court of Aarhus (4–5 days/year)
2007	Election official	General election for Danish parliament, 13 November 2007
2003–04	Chair of the board	Chess club 'Nordthy Skakklub', Thisted
1997–98	Chair of student council	Lower secondary school 'Østre Skole', Thisted

Personal profile

I live together with my girlfriend through six years who is a Ph.D. student in organic chemistry at Copenhagen University.

I'm a social and open-minded person who love experiencing new things and taking on new challenges. I love travelling, and when abroad I profit greatly from being fluent in English and German.

I keep myself in shape by running and winter swimming, and I also play chess at club level. When at home, I enjoy cooking and relaxing with a beer in the company of my friends and family. Throughout my entire youth I was a member of a top-rank boys' and men's choir, which has made me confident being on and stimulated my team working skills.

Diplomas and other documents may be retrieved via the embedded links or forwarded upon request.