



DAINIS KALDRE Ph.D.

Scientist

PROFILE

Experienced, passionate and highly motivated scientist with about 10 years practical experience and theoretical knowledge in drug development, delivery and organic chemistry

CONTACT

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Address

Mühlstraße 45, Langenargen, 88085, Germany

Nationality

Latvian

Birth Date - Place

02/November/1987 – Riga, LV

KEY COMPETENCIES

Teamwork, Engagement, Flexibility, Commitment, Self-initiative, Results orientation, Innovative and Creative thinking, Communication

LANGUAGE KNOWLEDGE

Latvian	●●●●●
English	●●●●●
German	●●●●○
French	●○○○○

HOBBIES

Team sports, Hiking in mountains
Reading for self-development

WORK EXPERIENCE

Postdoctoral Researcher

01/2016 – 09/2017

University of Vienna (with Prof. Nuno Maulide), Vienna, Austria

I developed new methodology projects to rapidly access important molecular scaffolds (α -arylated amides and 1,4-dicarbonyl structures). I provided scientific support and technical training for graduate students.

Researcher – Scientist

09/2010 – 01/2016

McGill University (with Prof. James L. Gleason), Montreal, Canada

I successfully led and coordinated collaborative interdisciplinary projects in the field of oncology. My broad expertise ranges from computational design, chemoinformatics, synthesis and SAR study of novel drug candidates to preliminary studies *in vivo*. I also used computational methods and experimental tools to discover new catalytic reactions.

Research Assistant

09/2006 – 09/2010

Latvian Institute of Organic Synthesis, Riga, Latvia

I developed new colloidal **drug delivery systems** (nanoparticles) and enzymatic reactions (**biocatalysis**).

EDUCATION

PhD in Organic/Medicinal Chemistry

09/2010 – 03/2016

McGill University (Canada); GPA: A-

BSc in Chemistry

09/2006 – 07/2010

University of Latvia (Latvia); GPA: 9/10

COURSES

Strategic Management and Innovations (online)

03/2018 – 07/2018

Copenhagen Business School (4-Course Modul)

Intensive B2 German Course, IPC Center, Vienna

11/2017 – 03/2018

Certified GxP (GMP, ICH) Course with AZAV certificate

04/2018

Heidelberg, Germany

Intellectual property, Law and Business in Biotechnology

07 – 08/2009

Gießen University, Germany

Chemical/biochemical engineering course

07 – 08/2008

Denmark Technical University

TECHNICAL SKILLS

HPLC, UPLC	●●●●●
LC-MS/MS	●●●●●
NMR	●●●●●
GC	●●●●○
IR, Raman	●●●●○

COMPUTER SKILLS

MS Office	●●●●●
ChemDraw	●●●●●
MS Excel	●●●●○
ELN	●●●●●
Databases	●●●●○



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PUBLICATIONS (Selection)

- 1) Kaldre D., Klose I., Maulide N., *Science*, **2018**, **361**, 664
- 2) Haggman N., Kaldre D., Gleason J. L., *Eur. J. Org. Chem.*, **2018**, Submitted
- 3) Maryasin. B., Kaldre D., et. al., *Chemical Science*, **2018**, 9, 4124, **Advanced article**
- 4) Bijian K., Kaldre D., et. al., *J. Steroid Biochem. Mol. Biol.*, **2018**, 177, 135
- 5) Kaldre D., Maryasin B., Kaiser D., Gonzalez L., Maulide N., *Angew. Chem. Int. Ed.*, **2017**, 56, 8, 2212
- 6) Kaldre D., Gleason J. L., *Angew. Chem. Int. Ed.*, **2016**, 55, 38, 11557 - 11561, **As VIP accepted**
- 7) Kaldre D., Wang T. T., Fisher J., White J. H., Gleason J. L., *Bioorg. Med. Chem.*, **2015**, 23, 5035
- 8) Fisher J., Kaldre D., et. al., *Chemistry and Biology*, **2012**, 19, 963

PATENTS

Gleason J. L., White J., Kaldre D., Fischer J., Bis-(aryl/heteroaryl)-methylene compounds, pharmaceutical compositions containing same and their use for treating cancer, June 27 WO/2013/091082, **2013**

AWARDS AND FELLOWSHIPS

Multiple **awards** for excellence in **research** and **work** (selection):

- ❖ McGill-CIHR drug development training program scholarship, 2011 – 2013, 51,000\$
- ❖ The scholarship of pharmaceutical company A/S "Grindex": 2008 – 2009, 3,000 Eur
- ❖ Scholarship of Kristaps Morberg's for the excellent students at University of Latvia 2007 – 2009, 15,000\$

RESEARCH ACTIVITIES

5 oral presentations, 10 poster presentations in conferences:

CSC (Canadian Chemistry Conference), European Symposium on Organic Chemistry, Quebec Ontario Mini-symposium in Organic and Bioorganic Chemistry, Tetrahedron Symposium (2017), EFMC-ASMC Vienna (2017)

TEACHING EXPERIENCE

2013 – 2014 **Course tutor** for advanced Organic Chemistry course (150 students)

2010 – 2013 **Laboratory assistant** for Organic Chemistry courses CHEM 212 and 222 (responsible for around 300 students over this time)

REFERENCES

Prof. Nuno Maulide
University of Vienna
E-mail: nuno.maulide@univie.ac.at

Prof. James L. Gleason
McGill University
E-mail: jim.gleason@mcgill.ca

28/August/2018

Dkaldre /Dainis Kaldre/