

## CURRICULUM VITAE

Name: Ji-Woong Lee

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Researcher unique identifier: [orcid.org/0000-0001-6177-4569](https://orcid.org/0000-0001-6177-4569), [Google Scholar](#)

Date of birth: 22<sup>nd</sup> December 1982

Nationality: South Korean

Married, one son (2 years old)

URL for group web site: [www.leegroup.dk](http://www.leegroup.dk)

## RESEARCH INTERESTS

*Fields:* organic chemistry, synthesis, catalysis, organometallic chemistry, materials chemistry

*Current Research Programs:* carbon dioxide functionalization, asymmetric catalysis, origin of life, desalination, water purification, catalysis using far-from-equilibrium states

## POSITIONS

Department of Chemistry, University of Copenhagen (UCPH), Denmark Associated Professor (tenured)	03/2021 – present
Department of Chemistry, University of Copenhagen (UCPH), Denmark Assistant Professor, tenure-track	06/2016 – 02/2021
Chief Scientific Officer, Co-founder, CowaTech ApS, Denmark	11/2018 – present
Postdoctoral Researcher Department of Chemistry, University of California, Berkeley, USA Supervisor: Prof. Jeffrey R. Long	01/2015 – 05/2016
Postdoctoral Researcher Department of Organic Chemistry, Weizmann Institute of Science, Israel Supervisor: Prof. Rafal Klajn	01/2014 – 12/2014

## EDUCATION

Max-Planck-Institut für Kohlenforschung, Germany PhD in Chemistry, <i>Magna cum Laude</i> (Supervisor: Prof. Dr. Benjamin List) Thesis title: <i>Unconventional Homogeneous and Heterogeneous Asymmetric Organocatalysis</i>	09/2009 – 06/2013
BSc, MSc in Chemistry, Sungkyunkwan University, South Korea Academic supervisor: Prof. Dr. Choong Eui Song	03/2001 – 08/2009

## TEACHING

*At UCPH, the PI teaches traditional organic chemistry courses and laboratory courses, designing new curriculum while adapting modern organic synthesis and catalysis topics to offer students from the Department of Chemistry, NanoScience Center, the Department of Pharmacy and the Faculty of Science.*

Current annual teaching responsibility includes:

MSc, Physical Organic Chemistry (15 ECTS, course responsible, sole teacher)

BSc, Almen kemi (15 ECTS, co-teaching)

PhD Journal Club – Total Synthesis (weekly seminar, volunteered)

## SUPERVISION

*At UCPH, I have been actively supervising all levels of students and researchers (in total 46 since 2016) to inspire, motivate and guide their independent academic career and/or industrial track with high competence as a main supervisor.*

My current supervision includes 2 postdoctoral researchers, 6 PhD students, 3 MSc-level students.

Past supervision - Ph.D. (2): Martin Juhl, Yang Yang; Postdocs (6): Dr. Allan Petersen, Dr. Tamal Roy, Dr. Esben Olsen, Dr.

Pramod Kumar Ek, Dr. Xinyi Ren, Dr. Rodrigo Lima; M.Sc. (9): Joseph Venner, Betty Kustiana, Benjamin Regen-Pregizer, Steffen

Mogensen, Jonas Pedersen, Rasmus Kragh, Matt Clancy, Gul Barg Hadaf, Kamal Maharjan; B.Sc. (8): Gul Barg Hadaf, Rasmus

Kragh, Owais Ahmed, Jerik Lauridsen, Aleksa Petrovic, Daniella Kaas, Anna Skakic, Sonia Quresh

## INSTITUTIONAL RESPONSIBILITIES

Board member, Organic Chemistry Division, Danish Chemical Society	since 2019
Member of Nano Science Center, University of Copenhagen, Denmark	since 2016
Member of Organic Chemistry Section; University of Copenhagen, Denmark	since 2016
Internal examiner for BSc and MSc oral evaluation	since 2017

## PROFESSIONAL ACTIVITIES

A reviewer for *Crowd Reviewing Program, Synlett*

A reviewer for journals including: *Journal of the American Chemistry Society, Nature Communications, Nature Chemistry, Science, ACS Catalysis, Advanced Synthesis & Catalysis, Catalysis Letters, Chemical Communications, Journal of Organic Chemistry, Inorganic Chemistry, Journal of CO<sub>2</sub> utilization, Journal of Chemical Education, Organic Letters, Synlett, Monatshefte für Chemie, Chemistry an Asian Journal, Arkivoc, Scientific Reports, Chirality, ACS Sustainable Chemistry & Engineering, ACS Applied Materials and Interfaces, Bulletin of Korean Chemical Society, Chemical Engineering Science FWF Austrian Science Fund, Lise Meitner Program, Polish Academy of Science, Flanders industry innovation*

Conference organization: Danish Chemical Society meetings

Gordon Research Conference application in preparation (for 2023, "CO<sub>2</sub>-Functionalization")

Conference Chair: Lund/KU/DTU meeting (Copenhagen, Denmark, Nov 2018)

Selection committee for Reaxys PhD Prize, Switzerland

Review editor, *Frontiers in catalysis, organocatalysis section*

## MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Member, Danish Chemical Society	since 2016
Member, International Society of Heterocyclic Chemistry	2015 – 2016
Member, Korean Chemical Society	2007 – 2009
COST Action (ORFEO – CINQA Network)	prospective in 2020

## FELLOWSHIPS

Young Investigator representative for Denmark (EuChemS, Organic Chemistry Division)	2019
Villum Young Investigator (7M DKK), Denmark	2018
The Deans of the Faculties Fellowship, Weizmann Institute, Israel	2015
PhD Stipend, Max-Planck-Institut für Kohlenforschung, Germany	2009

## CAREER BREAKS

Mandatory Military Service	June 2004 – June 2006
Paternity leave	2019-2020 (12 weeks)

## PRIZES, AWARDS, Funding

Nomination for the University of Copenhagen, Innovation Award 2020	2020
Villum Young Investigator research grant (7M DKK)	2018
Thieme Chemistry Journal Award	2017
Novo Nordisk Biotechnology-based Synthesis and Production Research (2.75M DKK)	2017
ITMA Future Material Awards, Finalist, Germany	2014
Reaxys PhD Prize, Finalist, Switzerland	2014
Koshland Prize, Feinberg Graduate School, Weizmann Institute of Science, Israel	2015
Best Publication Award, Ihwa Womans University, Korea	2011
Brain Korea 21 Scholarship, Sungkyunkwan University, South Korea	2007
Army Commendation Medal, United States Army	2006
SongChun Scholarship, Sungkyunkwan University, South Korea	2003
Academic Excellence Scholarship, Sungkyunkwan University, South Korea	2001

## INVITED LECTURES (selected)

Since 2016, total 17 invited lectures were performed in prestigious institutions and platforms such as **EuChemS meeting** (prospective in 2021) **Weizmann Institute of Science** (Israel, Sep 2019), **Max-Planck Institute für Kohlenforschung** (Mülheim, Germany, Jan 2020), **EuChemS Young Investigator Workshop** (Representative of Denmark, Vienna, May 2019), **Leibniz-Institute für Katalyse** (Rostock, Germany, June 2018), and **Danish Chemical Society Meeting** (June 2017).