

Teaching CV ■ *Jørn Hedløy Hansen*

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TEACHING POSITIONS

- 2012 – ■ **Associate Professor of Chemistry**, UiT The Arctic University of Norway.
- 2012 ■ **Visiting Assistant Professor of Chemistry**, Touro College, Manhattan, New York City.
- 2005-2007 ■ **Teaching Assistant**, University at Buffalo, SUNY, USA.
- 2002-2005 ■ **Student Teaching Assistant**, NTNU, Dept. of Chemistry, Norway.

COURSES AND FORMAL COMPETENCIES

- 2018 ■ **Expert course in assessment of teaching portfolios** at UiT, RESULT (2 days of seminar and 3 group workshops)
- 2017 ■ **MH Teaching Conference** at UiT (Topic: Assessment for learning, 1 full day)
- 2015 ■ **Pedagogical basic competency** for teaching in higher education awarded by UiT (RESULT) based on teaching portfolio assessment.
- 2014 ■ **Leadership Training** at UiT (2 X 2 days seminar/workshop)
- 2014 ■ **Peer-assessed teaching** (2 workshops, 2 mutual observations and summary meetings)
- 2013 ■ **Plagiarism in Higher Education** (half-day workshop w/ Jude Carrol)
- 2013 ■ **Teaching in Higher Education** (5 days intensive)
- 2013 ■ **Supervision of Ph.D.-students** (6 days intensive 2013)
- 2008 ■ **Emory University Teaching Assistant Training Course** (1 week intensive)
- 2005 ■ **University at Buffalo Teaching Assistant Training** (2 days intensive, 2005)

POSITIONS OF TRUST

- 2018- ■ **Board Member** - IK Program board for chemistry bachelor and master studies
- 2016- ■ **Council member** - UiT Studieretningsrådet for lektor i realfag.
- 2014-16 ■ **Faculty member** – National Graduate School in Structural Biology (BioStruct)
- 2013-14 ■ **Coordinator** – School Laboratory in Chemistry, Department of Chemistry, UiT

FUNDED PROJECTS

- 2016 ■ **Deliberate assessment for enhanced learning and teaching quality in chemistry courses** (Principal Investigator). RESULT Seed Grant (70 kNOK)
- 2015 ■ **Drug Discovery & Design: Aligned research and education in medicinal chemistry** (Principal Investigator). Olav Thon Foundation National Grant awarded for outstanding education-oriented research project (500 kNOK).

SUPERVISION

■ *Current main supervision (2 PhD-students, 3 Masters-students, 2 undergraduate student):*

Gonzalo Rotea (BSc-project, started 2018), Andreas Augustinussen (BSc-project, started 2018), Hanna Bähr (ERASMUS MSc-student 2018), Unni M. Nordang (MSc-student, started 2017), Erlend Brevik (MSc-student, started 2017), Uranbaatar Erdenebileg (PhD-student, started 2016), Marc Boomgaren (PhD-student, started 2014).

■ *Current co-supervision (1 PhD-student):*

Richard Fjellaksel (PhD-student at UiT Dept of Clinical Medicine, started 2015).

■ *Higher-level students completed as main supervisor (5 Masters students):*

Tone Kristoffersen (MSc 2017), Khurelbaatar Sengee (MSc 2017), Aya Ismael (MSc 2015), Phenias Buhire (MSc 2015), Preben J. Olsen (Lektor/Master in Chemistry Education 2014).

■ *Higher-level students completed as co-supervisor (1 PhD-student, 5 Masters students):*

Balmukund Thakkar (PhD 2017), Eline R. Samuelsen (Lektor/Master in Chemistry Education 2017), Ahmed Abdelhady (MSc 2016), Damir Dugalic (MPharm 2016), Arslan Kadysjev (MSc 2016), Yngve Guttormsen (MSc 2014).

■ *Short-term (2-6 months) undergraduate/exchange students completed as main supervisor (22 students):*

Hanna Bähr (ERASMUS intern 2016), Eliot Starck (ERASMUS intern 2017), Gabriel S. Gerez (BSc-project 2016), Anita Kiss (ERASMUS-Mundus PhD-student 2016), Claire Herrmann (ERASMUS intern 2016), Jeroen van Balkom (ERASMUS intern 2016), Ambrus M. Czeglédi (ERASMUS intern 2015), Balázs Pálházi (ERASMUS intern 2015), Jannie Staffanson (Visiting student 2014-15), Janne Catelin (Visiting student 2015), Marie Ruch (ERASMUS intern 2015), Eléonore Fleurantin (ERASMUS intern 2015), Eline Samuelsen (Lektor-student/BSc-project 2014), Håkon Stenersen (BSc-project 2014), Lucille Wagner (ERASMUS Intern 2014), Lisa Ramstad (BSc-project 2014), Ane Molden (BSc-project 2014), Arslan Kadysjev (BSc-project 2014), Kim-Julia Kurth (Visiting ERASMUS-student 2013), Lina Malinauskaitė (IAESTE intern 2013), Aurélie Krieger (ERASMUS intern 2013), Keven Mardy (ERASMUS intern 2013).

■ *Postdoctoral mentoring (1 Postdoc):*

Dr. Taye B. Demissie (2014-2017).

COURSEWORK TEACHING AND DEVELOPMENT

2016	KJE-8308/3308 Metal-Organic Chemistry (10 ECTS, 1 semester, <i>UiT</i>)	Lectures Seminars/workshops Course developed in collaboration with colleague A. Bayer.
2015	KJE-8313/3313 Advanced Organic Chemistry (10 ECTS, 1 semester, <i>UiT</i>)	Lectures Seminars/workshops Course developed in full

2013-dd	KJE-2003 Basic Analytical Chemistry (10 ECTS, 4 semesters, <i>UiT</i>)	Lectures Seminars/workshops Laboratory teaching Scientific writing supervision Substantially redesigned the course
2014-dd	KJE-3301 Organic Chemistry II (20 ECTS, 4 semesters, <i>UiT</i>)	Lectures Seminars/workshops Laboratory teaching Scientific writing supervision
2013	KJE-6003 Org./Analytical Chem. for Teachers II (5 ECTS, 1 semester, <i>UiT</i>)	Lectures Laboratory teaching
2014	KJE-3501 Intro. to Organic Chemistry Methods (10 ECTS, 1 semester, <i>UiT</i>)	Laboratory teaching
2013-dd	KJE-3810 Special curriculum in chemistry (10 ECTS, 4 semesters, <i>UiT</i>)	Laboratory teaching Scientific writing supervision
2013-dd	KJE-2011/2012 Project work in chemistry (10/15 ECTS, 6 semesters, <i>UiT</i>)	Laboratory teaching Scientific writing supervision
2012	GSC-102 Principles of Inorganic Chemistry II (Intensive, <i>Touro College, New York City</i>)	Lectures Laboratory teaching
2005-2006	CHE-201/202 Organic Chemistry I/II Laboratory (3 semesters, <i>University at Buffalo, SUNY</i>)	Recitation lectures Laboratory teaching Lab report supervision and grading
2007	CHE-102 Freshman Chemistry Laboratory (1 semester, <i>University at Buffalo, SUNY</i>)	Recitation lectures Laboratory teaching Lab report supervision and grading

EXAMINER

■ PhD-thesis examiner:

External examiner (Opponent): *Jevgenija Luginina (PhD 2017, Riga Technical University, Latvia), Karoline G. Primdahl (PhD 2017, University of Oslo, School of Pharmacy), Elvar Ö. Viktorsson (PhD 2017, University of Oslo, School of Pharmacy), Harrison Gallantree-Smith (PhD 2016, Norwegian University of Life Sciences).*

Internal examiner UiT (Committee leader): *Kristine B. Pedersen (PhD 2015); Alexandre P. Descomps (PhD 2015); Jan Capar (PhD 2016).*

■ MSc-thesis examiner:

Internal examiner (UiT): *Ivar Thomassen (MSc 2013), Stian Kristoffersen (MSc 2013) and Marina Alexeeva (MSc 2013).*

External examiner: *Illimar Rekand (MSc 2016, Univ. of Bergen), Mari Kofstad (MPharm 2016, Univ. of Bergen).*

■ Bachelor-theses and course examiner:

Internal Bachelor thesis examiner: 8 written bachelor semester projects.

External Bachelor thesis examiner: 3 written bachelor theses (Univ. of Stavanger 2017).

Internal course examiner: 15 written and 3 oral course examinations.

External course examiner: TKJ4180 Physical Org. Chemistry (3X written exam NTNU, 2015-17)

PRESENTATIONS

7. **Department Seminar Lecture**, UiT Department of Chemistry, Tromsø, Feb 14th **2018**.
Title: *The Science of Teaching Science: Towards a quality enhancement culture?*
6. Invited speaker at the **NFH Fagdag (School of Fisheries Teaching Workshop)**, UiT Campus Tromsø, Feb. 15th **2017**. Title: *Active Learning in Science Education*.
5. Invited speaker at the **IFT Undervisningsseminar for forelesere ved NT-fak (Dept. of Physics and Technology Teaching Seminar)**, UiT Campus Tromsø, Aug. 16th **2016**.
Title: *Effective teaching with student-active learning*
4. 2X Invited workshop lecturer at the **Program for Pedagogical Basic Competency** at *UiT Centre for Teaching, Learning and Technology (RESULT)*, UiT Campus Tromsø, on 2 occasions: Sept 11th **2015** and Feb 5th **2016**.
Title: *Teaching in Mathematics and Science/ Å undervise i matematikk og realfag.*
3. Kristoffersen, T; Samuelsen, E.; Ramstad, L.; Molden, A.; Buhire, P.; Demissie, T. B. and Hansen, J. H. Poster presented by T. K. at the **31st Organic Chemistry Winter Meeting**, Skeikampen, Jan 7-10th **2016**.
Title: *Diverse libraries for chemoprospecting and chemical education*
2. Hansen, J. H. *Introduksjon til organiske reaksjonsmekanismer 2015*. Introductory booklet designed to promote chemical reasoning with organic reaction mechanisms.
1. **Kjemi-ut-i-skolene** – Lecture series developed for high-schools **2014-2015**. Given at Alta vgs (Jan. 30th **2014**), Bodin vgs (Bodø, March 2nd, **2015**), Heggen vgs (Harstad, Feb. 13th **2015**). Lecture titles: (1) *Modern Analysis Methods: NMR, MS and GC*; (2) *Catalysis, Molecules and Medicine*; (3) *Reaction Mechanisms in Organic Chemistry*; (4) *The Law of Mass Action over 150 years: Chemical Equilibrium*.