

CV

Tom Willhammar

Researcher
PhD, Structural Chemistry

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Date of birth: 1982 06 18

Nationality: Swedish

Gender: Male

Education:

December 2013

Doctor of Philosophy, Stockholm University

Degree in Structural Chemistry from Department of Materials and Environmental Chemistry

Thesis: "Structural study of zeolites utilizing novel electron crystallographic methods—A voyage into the world of zeolite structures"

Supervisor: Prof. Xiaodong Zou

June 2008

Master of Science, Lund University

Degree in Chemical Engineering with specialization in Materials and Polymer Chemistry

Professional history:

2017 - present

Department of Materials and Environmental Chemistry, Stockholm University, Sweden

Researcher

Mar 2017 – June 2017

Department of Materials Science and Metallurgy, University of Cambridge, UK

Visiting Researcher in the group of Prof. Paul A. Midgley

2014 –2016

EMAT, University of Antwerp, Belgium

Postdoc in the group of Prof. Sara Bals

2009 – 2013

Department of Materials and Environmental Chemistry, Stockholm University, Sweden

PhD Student in the group of Prof. Xiaodong Zou

Membership

2022 – Elected member of the Structure Commission of the International Zeolite Association.

Merits and awards:**Awards**

- 2018 - Best Oral Presentation at *Material*Characterization*Catalysis* Workshop for young researchers, ETH, Zurich, Switzerland
- 2014 - **FEZA PhD price**, granted by the Federation of European Zeolite Associations awarded for the best PhD work during the past three years
- **Anna Sundström Award**, to the most outstanding thesis in Inorganic Chemistry in Sweden during the year.
- 2013 - **Sigrid Arrhenius Stipendium**, for the best PhD work at the Science Faculty of Stockholm University during the year

Research Grant

- 2021 - Magn. Bergvalls Stiftelse, 40 kSEK (principal grant holder)
- 2020 - Postdoc scholarship from Carl Trygger Foundation, 711 kSEK (principal grant holder)
- 2019 - Starting grant, Swedish Research Council (VR), 4 MSEK / 4 years “Unraveling the local structure of Cellulose Nanocrystals using scanning electron diffraction” (principal grant holder)
- University of Tokyo-Stockholm University Collaboration, 100 kSEK
- 2018 - Instrument, Technique and Method Development, SSF, 7.9 MSEK (co-applicant)
- 2018 - Sweden-Japan 150 Anniversary Grants, STINT, 128 kSEK (principal grant holder)
- 2017 - Stipend from the Åke Åkesson foundation 74 k SEK (principal grant holder)
- 2014 - International Postdoc grant, Swedish Research Council (VR), 3.15 MSEK / 3 years (principal grant holder)

Supervision

- 2 graduated PhD students (as co-supervisor), 1 graduated Master student
- Presently supervising 2 PhD student as main supervisor and 3 PhD students as co-supervisor

Selected Invited Oral Presentations

- 2022 - IZC 2022 Pre-Conference School, Valencia, Spain
- Anselme Payen Award Symposium, ACS Spring Meeting, San Diego/Virtual
- 2021 - Structural and chemical characterization of organic nanomaterials, SINTEF, Trondheim.
- 2020 - Seminar on Sustainable Development - Biomaterials - Characterization and Repeatability, University of Tokyo – Stockholm Trio, virtual
- “Scanning electron diffraction as a tool to study the local crystallinity of cellulose”, ACS Spring Meeting
- 2019 - “Scanning electron diffraction reveals the local crystalline ordering of twisting cellulose nano fibers” Materials for Tomorrow 2019, Chalmers, Göteborg
- “Digital electron diffraction” workshop at NTNU, Trondheim, Norway
- 2017 - “Advanced electron tomographic methods for structural characterization of nanostructured materials” Oorgdagarna, Nynäshamn, Sweden
- “Structure determination by electron crystallography: - a powerful complement to conventional methods for structure elucidation”, University of Cambridge, UK
- 2016 - “A voyage into the world of zeolite and MOF structures”, ZFM-Festkörpertag, Hannover, Germany
- 2015 - “Diffraction from soft matter sample”, EMAT Workshop on Electron Microscopy, Antwerp, Belgium
- 2014 - “Structural study of zeolites utilizing novel electron crystallographic methods”, FEZA2014, Leipzig, Germany

In addition ~30 contributed talks at international conferences and workshops