

Jonas Niemann  
PhD fellow  
Department of Science Education  
University of Copenhagen  
Postal address:  
Rådmandsgade 64  
Email: jn@ind.ku.dk  
Phone: +4522862907  
Web address: <https://www.ind.ku.dk>



## Short presentation

**Twitter:** @JonasNiemann

Chemist with a speciality in the didactics of science, who after working 6 years as a Chemistry Teacher in upper secondary, has returned to the Department of Science Education at the University of Copenhagen.

Apart from my teaching and research activities, I'm a YouTuber on the Danish educational channel Gymnasiekemi, focused on Chemistry in upper secondary school.

Projects

### **GATE - Gender Aware Teaching for Equity in Science and Engineering**

2022-2026

Supported by the Poul Due Jensen Foundation

Ph.D. fellowship

### **Series of educational videos for A-level Chemistry**

2022-2025

Supported by the Novo Nordisk Foundation

Project leader

### **IUPAC Chemistry Teacher Survey**

2023-2025

Supported by IUPAC Committee on Chemical Education  
Country Coordinator for Denmark

## Qualifications

Chemistry Education, PhD, University of Copenhagen

1 Sep 2022 → ...

Master of Science, Chemistry, University of Copenhagen

Award Date: 7 Jul 2022

## Visits

### **University of Michigan, Ann Arbor**

Niemann, Jonas (Visiting researcher)

1 Apr 2024 → 1 Jun 2024

## Employment

### **Ph.D fellow**

PhD fellow

Department of Science Education

København N., Denmark

31 Aug 2022 → nu

### **Teaching assistant**

Teacher's Assistant

Department of Chemistry  
København Ø, Denmark  
1 Sep 2014 → 3 Oct 2015

### **Secondary school teacher**

Gentofte HF  
Gentofte, Denmark  
1 Aug 2016 → 31 Jul 2022

## **Research outputs**

### **Formation of Disciplinary Science Identities in Upper Secondary School**

Niemann, Jonas, 20 Mar 2024. 5 p.

### **"I feel like a real chemist right now": Epistemic affect in the chemistry laboratory**

Agustian, Hendra Y., Gammelgaard, Bente, Rangkuti, Muhammad Aswin & Niemann, Jonas, Mar 2024, (Submitted) In: Science Education.

### **Didaktisering af elevøvelser**

Niemann, Jonas, 1 Dec 2023, In: LMFK-Bladet. 45, 4, p. 30-31 2 p.

### **Differences of Disciplinary Identities of Upper Secondary School Students**

Niemann, Jonas, 2023. 1 p.

### **GENDER EQUITY IN CHEMISTRY & TECHNOLOGY**

Niemann, Jonas, 2023. 1 p.

### **Induktiv tilgang – intermolekylære kræfter**

Niemann, Jonas, 2023, In: LMFK-Bladet. 3, p. 60-61 2 p.

### **Kememes - fagspecifik humor**

Niemann, Jonas, 2023, In: LMFK-Bladet. 45, 1, p. 34-37

### **Flyder dåsen? – videnskabsteori fra første dag**

Niemann, Jonas, 2022, In: LMFK-Bladet. 44, 2, p. 32-35 3 p.

### **Noter - Kemi C: Gymnasiekemi**

Niemann, Jonas, 2022, 25 p.

### **Opvarmning – bedre lektionsstart og talt fagsprog**

Niemann, Jonas, 2022, In: LMFK-Bladet. 44, 3, p. 57-59 3 p.

### **Noter - Kemi B**

Niemann, Jonas, 2020, 33 p.

## **Membership**

### **Advisory board member, Project: "Because Chemistry is the Solution of the Future"**

Niemann, Jonas (Consultant)  
2024 → 2025

### **Danish Chemical Society's Committee for Nomenclature (External organisation)**

Niemann, Jonas (Member)

Dec 2023 → ...

### **LMFK-Bladet (Journal)**

Niemann, Jonas (Member of Editorial Board)

Nov 2023 → ...

### **Kemilæreforeningen (External organisation)**

Niemann, Jonas (Board member)

2020 → ...

## **Prizes**

### **Travel Grant, Knud Højgaard Foundation - 8.500DKK**

Niemann, Jonas (Recipient), 2024

### **Travel grant, William Demant Foundation - 9.000DKK**

Niemann, Jonas (Recipient), 2024

## **Outreach**

### **Chemistry, Education, and Careers**

Niemann, Jonas (Speaker)

19 Apr 2024

### **How to Succeed in Chemistry**

Niemann, Jonas (Other)

12 Mar 2024

### **KiKoF 2024 - Biosolutions**

Niemann, Jonas (Organizer)

29 Feb 2024 → 1 Mar 2024

### **Changes in the Implied Student**

Niemann, Jonas (Speaker)

28 Feb 2024

### **Why is Gender Relevant for Teachers in Mathematics, Physics, and Chemistry**

Niemann, Jonas (Speaker), Holmegaard, Henriette Tolstrup (Speaker) & Gertz, Emilie (Speaker)

24 Nov 2023

### **Workshop: Microscale Chemistry**

Niemann, Jonas (Speaker)

24 Nov 2023

### **Student Experiments Through a Didactical Lens**

Niemann, Jonas (Speaker) & Agustian, Hendra (Speaker)

15 Nov 2023

### **Student Experiments Though a Didactical Lens**

Niemann, Jonas (Speaker)

9 Nov 2023

### **Student Participation in Upper Secondary School**

Niemann, Jonas (Speaker)

20 Sep 2023

### **Science Communication with Memes**

Niemann, Jonas (Speaker)

14 Aug 2023

### **Inquiry-based Science Teaching in Practice**

Madsen, Lene Møller (Speaker) & Niemann, Jonas (Speaker)

17 May 2023

### **Big Bang 2023**

Niemann, Jonas (Workshop leader)

22 Mar 2023

### **Inquiry-based Science Teaching in Practice**

Madsen, Lene Møller (Speaker) & Niemann, Jonas (Other)

3 Feb 2023

### **How can Digital Aids Strengthen Diverse Teaching in Upper Secondary School?**

Niemann, Jonas (Panel member)

10 Nov 2022

### **Production of Chemistry Teaching Material for the Sustainable Development Goals**

Niemann, Jonas (Participant)

2021

### **YouTube'er**

Niemann, Jonas (Participant)

2016 → ...

## **Press/Media**

### **Vil lokke flere kvinder ind i naturfag**

Jonas Niemann

13/09/2023

1 Media contribution

### **Eksamener på hf giver problemer: Hf-sektoren ønsker ændringer**

Jonas Niemann

20/03/2023

1 Media contribution

### **Hvad er klik-kemi?**

Jonas Niemann

26/10/2022

1 Media contribution