

## Aktuel forskning

### Isotopic Geobiology

Recently I am doing research in seawaters and its related carbonates by investigating non-traditionally stable isotopes. I try to find the relation between seawater, phytoplankton, other living organisms, and precipitated carbonates, to distinguish the fractionation from seawater and into carbonates through microorganisms in modern conditions. Through these investigations, I try to reconstruct ancient seawaters' isotope fractionation from carbonates.

## Ansættelse

### Gæsteforsker

Geologi  
Københavns Universitet  
København K, Danmark  
1 feb. 2024 → nu

### Postdoc

Geologi  
Københavns Universitet  
København K, Danmark  
1 dec. 2018 → 31 jan. 2024

Jesper Allan Frederiksen  
Gæsteforsker

Geologi

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1350  
København K  
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## Kvalifikationer

Biogeokemi, Ph.D, Institut for Geovidenskab og Naturforvaltning  
1 apr. 2019 → 31 mar. 2022  
Dimissionsdato: 6 maj 2022

M.Sc. in Geology-Geoscience, Palaeo-Climatology, Institut for Geovidenskab og Naturforvaltning  
Dimissionsdato: 29 okt. 2018

Geologi-Geoscience, B.Sc, Institut for Geografi og Geologi, KU  
sep. 2013 → jun. 2016  
Dimissionsdato: 21 jun. 2016

Research Assistant, Institut for Geovidenskab og Naturforvaltning  
1 dec. 2018 → 31 mar. 2019

Student Assistant, Institut for Geovidenskab og Naturforvaltning  
15 mar. 2017 → 31 okt. 2018

## Association membership:

- Board member of Geological Society of Denmark (DGF)
- American Geophysical Union (AGU) (membership)
- Geochemical Society (GS) (membership)

## Reviewer

- Geochimica et Cosmochimica Acta (GCA)

## Teaching and supervision:

TA: Grundlæggende geologiske processer og materialer, Bachelor, 2019; Metal og mineralressourcer - udforskning, økonomi, udnyttelse og bæredygtighed, Bachelor, 2020; Core to Crust: Earth's Evolution and Processes (part 1), Master's

2020

Lecturer: Core to Crust: Earth's Evolution and Processes (part 1), Master's, 2021; Past Climate, Master's, 2023

Censor: Early Earth - Formation and History, Master's Course, 2022/2023

Supervision: Bachelor student 2023, Master's students, 2019, 2022, 2023