

Camilla Clement Borre

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Curriculum Vitae

Education

2019–2022 **PhD in Astrophysics.**

Stellar Astrophysics Centre (SAC), Aarhus University, Denmark
Preliminary thesis title: Dating the Gaia-Enceladus Merger using Asteroseismology,
Supervisor: Prof. Víctor Silva Aguirre
Research stay (5 months in spring 2021)
Kapteyn Astronomical Institute, University of Groningen, The Netherlands
Work related to PhD thesis,
Primary collaborator: Prof. Amina Helmi

2016–2018 **Master of Science in Astrophysics.**

Ludwig-Maximilian-University Munich, Munich, Germany
The master's thesis was produced in collaboration with the Max Planck Institute for Astrophysics (MPA) and the European Southern Observatory (ESO), Garching, Germany
Master's thesis title: Variability of the Former Prototype Be star and X-Ray Binary γ Cassiopeiae,
Supervisors: Prof. Achim Weiss (LMU/MPA) and Dr. Dietrich Baade (ESO)

2013–2016 **Bachelor of Science in Physics.**

Aarhus University, Aarhus, Denmark
Bachelor's thesis: Data Reduction and Analysis of SN2010kg,
Supervisor: Prof. Maximilian Stritzinger

Publications

An updated library of my publications can be found here: <https://orcid.org/0000-0003-1286-8512>

Conferences and Workshops

- 2021 **The *BRITE* and *BRITE* related science meeting, Online.**
Invited talk
- 2021 ***EAS 2021 Virtual Meeting* (European Astronomical Society), Online.**
Poster
- 2021 **The *Annual Danish Astronomy Meeting*, Online.**
Contributed talk and co-organizer
- 2019 ***TASC5/KASC12 Workshop* (TESS Asteroseismic Science Consortium and Kepler Asteroseismic Science Consortium), Cambridge, USA.**
Poster
- 2019 **The *Annual Danish Astronomy Meeting*, Nyborg, Denmark.**
Poster
- 2018 **Conference on *The gamma-Cas phenomenon in Be stars*, Strasbourg, France.**
Contributed talk

Summer schools

- 2019 **Modules for Experiments in Stellar Astrophysics (MESA) summer school.**
University of California, Santa Barbara, USA
- 2015 **Observing course.**
Tenerife, Spain, we observed with the IAC80 telescope

Teaching and Outreach

- 2021 **Astronomy on Tap at Silkeborg Højskole, Denmark.**
Co-organized and gave a talk
- 2020 **Science Slam at the Planetarium in Copenhagen, Denmark.**
Gave a talk
- 2019–2020 **Teaching assistant as a PhD student**, I taught the courses:
Galaxies and Cosmology, BSc course (10 ECTS), Spring 2019
Stars and Planets, BSc course (10 ECTS), Autumn 2019
Galaxies and Cosmology, BSc course (10 ECTS), Spring 2020
- 2020 **Outreach talk for Viborg Gymnasium og HF.**
Talk about being an astronomer (education and work) for two upper secondary school classes
- 2014 **Homework tutor.**
Tutoring upper secondary school student in mathematics, physics and chemistry.

International relations

Groningen.

As part of my research stay at the Kapteyn institute in Groningen, the Netherland, I have established a good collaboration with Prof. Amina Helmi and her group.

ESO and MPA.

I wrote my master's thesis in collaboration with the European Southern Observatory(ESO) and the Max-Planck institute for Astrophysics (MPA), Garching, Germany and still benefit from scientific relations to Dr. Dietrich Baade and Prof. Achim Weiss

KASC and TASC.

As a member of the Kepler and TESS Asteroseismic Science Consortium I am closely connected to researchers in the asteroseismic community working on the data from the Kepler and TESS missions

Scientific interests

Asteroseismology.

The oscillations of predominately solar-like stars used to investigate stellar properties

Stellar evolution.

Understanding how stars born in different environments evolve differently

Galactic archaeology.

The formation and evolution of our galaxy, the Milky Way and especially how merger events in the past has affected this

Grants & Awards

- 2016 **Knud Højgaards Fond (grant: 16-01-2164).**
Travel Grant
- 2016 **Nordea-fonden (grant: 01-2016-001046).**
Travel Grant
- 2016 **Oticon Fonden (grant: 16-3182).**
Travel Grant
- 2016 **Dansk Tennis Fond.**
Travel Grant

Committies

- 2019– **Instrument Center for Danish Astrophysics (IDA).**
Executive committee and board member
- 2019– **European Astronomical Society (EAS).**
Member