

# Anine Borger, PhD in Physics

## Employment

4/1-19- 4/30-20	<b>Postdoc at the Niels Bohr Institute (NBI):</b> <ul style="list-style-type: none"><li>• Data analysis and visualization of large and multidimensional datasets.</li><li>• Mathematical modeling</li><li>• Systematic problem solving</li></ul>
2011-15	<b>Teaching assistant at NBI in seven courses:</b> Identify the students' needs and provide solution strategies for the individual students. Two awards for best teaching at the institute.
2010-2012	<b>Student assistant for Course evaluation at NBI:</b> I analyzed and visualized the quantitative and qualitative data for course evaluation using R.

## Education

2019	<b>PhD in Physics, NBI:</b> Polymer Physics, X-ray and Neutron Scattering. <ul style="list-style-type: none"><li>• Experimental method</li><li>• Technical writing</li><li>• Project management</li></ul>
2016	<b>MSc in Physics, NBI</b>
2014	<b>BSc in Physics, NBI</b>

## Publications and scientific talks

2020	Two first author manuscripts submitted for review in the high impact peer-reviewed journal Physical Review. A third is in preparation.
2018	Three co-author manuscripts published in peer-reviewed journals: <a href="https://doi.org/10.1103/PhysRevLett.120.207801">https://doi.org/10.1103/PhysRevLett.120.207801</a> , DOI: 10.1021/acsmacrolett.8b00485, <a href="https://doi.org/10.1122/1.5038393">https://doi.org/10.1122/1.5038393</a>
2 Invited talks	American Physical Society March Meeting (2019), Nordic Scattering from Soft Matter Meeting (2019)
7 Contributed talks	Lund Institute for X-ray and Neutron Scattering Meeting (2018), International Neutron Scattering Conference (2018), European Society of Rheology Annual (2018) Meeting, Society of Rheology Annual Meeting (2017), Danish Physical Society Annual meeting (2017), DanScatt Annual Meeting (2017)

## Technical skills

Data Analysis	●●●●●
Data Visualisation	●●●●●
Statistics	●●●●●
Mathematical modeling	●●●●●
Matlab	●●●●●
Python	●●●○○
C++	●●●○○
R	●●○○○
Linux	●●●○○

## Soft skills

Critical thinking	●●●●●
Systematic problem solving	●●●●●
Communication	●●●●●
Project Management	●●●○○

## Languages

Danish	Mother tongue
English	Fluent
German	Fair

## Achievements

2019	Best poster at Danish Physical Society Annual Meeting
2017	NBI teaching award "Instruktørpris"
2013	NBI teaching award "Jens Martin Undervisningspris"

## Volunteer work

2019-	NBI Alumni Association
2016-18	Initiator of NBI PhD network
2010-15	FysikRevy™: Director, coordinator, actor, text writer