



## Education

- > BSc in Applied Physics – University of Groningen
- > MSc in Nanoscience with Prof. Antoine van Oijen – University of Groningen
- > PhD in Materials Chemistry with Prof. Thomas Palstra, Prof. Maria Loi and Dr. Graeme Blake – University of Groningen
- > Postdoc with Prof. Simon Clarke – University of Oxford



## Current research

I work on the intercalation of layered chalcogenides, such as  $\text{Bi}_2\text{Se}_3$ . Intercalation can give rise to superconductivity. In my research I investigate the intercalation mechanism in more detail and study the origin for the reported superconductivity.

## Questions

> I chose to study chemistry because my background is in applied physics. Continuing my education in chemistry gave me a much broader skills set and allowed me to work and communicate with people in both fields, leading to some fruitful collaborations and very interesting results.



> The main piece of advice I would give to someone considering continuing their career with a postdoc is to think out of the box! Do not stay in your comfort zone, set new goals and challenge yourself. I also think that a postdoc is the ideal time to move abroad and immerse yourself into a new place. This will help develop your skills set and allow you to grow.

> In the future I hope to start my own research group where I aim to bridge the gap between physics and materials chemistry. In the field of superconductivity, there is a large focus on the physical characterization of well-known materials. I want to broaden this by adding a strong chemistry twist to the field.

> I'm waiting for the day when someone will discover room-temperature superconductivity. This person will receive a Nobel Prize, guaranteed! And I particularly cannot wait to see what kind of material this will have to be.

> I wish I made more time for music. I play the saxophone, but I do not play it that often. Unfortunately, I was not even able to bring it with me when I moved to Oxford!