



## **My internship at the Karlsruhe Institute of Technology**

*Craig Felt*

**Craig Felt from the University of Minnesota-Minneapolis had the opportunity to spend the months January until March 2016 in Karlsruhe interning in the laboratories of the Karlsruhe Institute of Technology. Craig's internship in autumn 2015 was coordinated by the USA Interns-Program of the Steuben-Schurz-Society in Frankfurt am Main. Here is his report about his experiences at the KIT.**

During my internship I had the pleasure to spend time working both in the lab of Dr. Gerald Brenner-Weiß and Dr. Matthias Franzreb.

For my time in the lab of Dr. Franzreb I worked with enzymatic reactions in hydrogels. I made different enzymatic solutions with various concentrations, and reacted them with various hydrogels that I was also responsible for making. These hydrogels were then tested to see how reactive they were even after several days

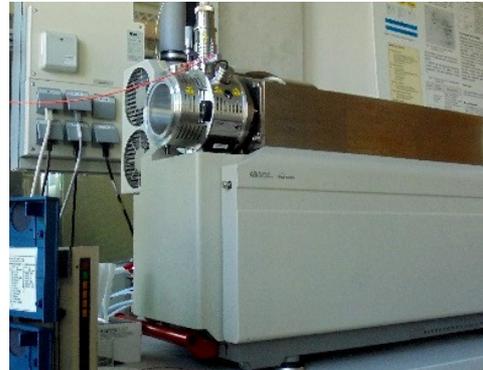


**The facilities at which I worked for the duration of my internship**

For my time in the lab of Dr. Brenner-Weiß I spent the majority of the time working with a mass spectrometer. This spectrometer was used to detect the presence of various biological products. I would compare the results of various samples with the known substance. Most of my time on this project was spent making solutions of various concentrations of the various

samples. These samples were made someone else in a different part of the lab.

I thoroughly enjoyed my time working at KIT. Not only was it a great working opportunity, giving me invaluable experience in an actual lab, but I also had the pleasure to meet many people. The dynamic between the university students was really fun. When we had samples being run, and therefore some downtime, we'd often help each other clean glassware, and lend an extra hand wherever it was needed.



**The mass spectrometer I used to do many of the tests in Dr. Brenner-Weiß's lab**

My superiors were also always very helpful in pointing me in the right direction, and they often at lunch together with the students. Overall I'm very glad that I was matched with KIT for my internship, and I hope to return there sometime in the future.

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