



UNIVERSITÄT
BAYREUTH



Research stay at CSIRO and the University of Melbourne funded by the DAAD

Christian Haynl

PhD student in the Group of Biomaterials, Bayreuth (Prof. Dr. Thomas Scheibel)

Supervisors in Melbourne:

University of Melbourne: Prof. Dr. Mark Elgar

CSIRO (Commonwealth Scientific and Industrial Research Organisation): Dr. Veronica Glattauer

During February 2018, I carried out a 3 weeks research stay at the University of Melbourne in the Group of Prof. Dr. Mark Elgar and at the Australian Synchrotron in cooperation with the CSIRO under supervision of Dr. Veronica Glattauer.

I started my research visit at the Infrared Microspectroscopy (IRM) beamline of the Australian Synchrotron. Here, together with Vanessa Wicklein, another member of the Group of Biomaterials in Bayreuth and our beamline scientists Dr. Pimm Vongsvivut and Dr. Mark Tobin, we analyzed my samples using extraordinary high sensitivity. The samples were prepared in advance in Bayreuth and imported officially to Australia. Subsequently, I joined the research group of Prof. Dr. Mark Elgar in order to search for some special spider silk webs in the countryside which exhibit a morphology and mechanical appearance being highly interesting to materials sciences.

During the stay at the Australian Synchrotron, which is 1.5 h away from the Melbourne city center using public transport, I lived in the Synchrotron guesthouse next to the research facilities. The guesthouse provided a large kitchen for cooking (self-catering). I subsequently lived in a single room apartment at the Graduate House of the University of Melbourne, which is 2 minutes away from the University campus. Here, breakfast as well as dinner was included.

All travel costs including visa costs and the accommodations were funded by the Bayreuth-Melbourne Colloid/Polymer Network.

Graduate House



Synchrotron guesthouse



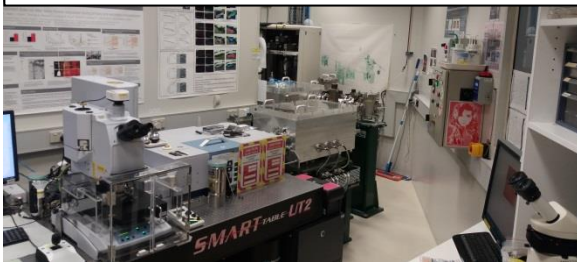
Synchrotron guesthouse kitchen



Australian Synchrotron



Synchrotron Infrared microspectroscopy beamline (IRM)



Searching for spider silk webs

