



**AUSTRIAN  
MARSHALL PLAN FOUNDATION**  
VIENNA | AUSTRIA



## **MARSHALL PLAN SCHOLARSHIP FIELD REPORT AFTER STAY**

### **PERSONAL DETAILS**

|                                     |  |               |            |
|-------------------------------------|--|---------------|------------|
| Name                                | Dipl.-Ing. Simon Höglinger, B.Sc.  |               |            |
| Host Institution                    | Interdisciplinary Consortium of Advanced Motion Performance (iCAMP)<br>Baylor College of Medicine   Department of Vascular Surgery<br>Houston, Texas |               |            |
| Research period at host Institution |  |               |            |
| From (DD.MM.YY)                     | 15.08.2016   | To (DD.MM.YY) | 23.12.2016 |

### **FINAL FIELD REPORT (2 pages)**

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| <b>General impression of the research stay</b>  |
| <p>After I finished my Masters' Program in Medical Engineering at the University of Applied Sciences Upper Austria, I received a Marshall Plan Scholarship for a four month research internship at the Baylor College of Medicine in Houston Texas. During the research stay I was working on two innovative projects at the Interdisciplinary Consortium of Advanced Motion Performance (iCAMP), a research team that is doing impressive research on wearable technology in the medical and vascular surgery area. I was able to work closely together with clinical specialists at the Department of Vascular Surgery which was a very interesting and fruitful part of my research stay.</p> <p>My research projects allowed me to work directly with patients at the Baylor Clinic and St. Luke's Hospital, additionally I collaborated with several post-doctoral fellows at iCAMP that allowed me to deepen my knowledge in biomedical research and scientific writing. I was able to get innovative results at the designed studies and to work on two research papers.</p> <p>In addition to collaborations, I also participated and presented my work in meetings held by different collaborating researchers. These were presentations of current research by successful senior researchers in the vascular surgery research field. The meetings were not only rewarding due to the good presenters, they often induced very insightful debates on the topic at hand.</p> <p>Finally, the stay in an impressive city as Houston and country as the United States, leave a lasting impression. The experience of culture and friendliness left a very positive impression of the southern US.</p> |

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| <b>Quality of the host institution in regard to research opportunity</b>  |
| <p>The Interdisciplinary Consortium of Advanced Motion Performance at the Baylor College of Medicine is a great institution for biomedical and medical research. Especially their work with wearable sensors such as Inertial Measurement Units (IMUs) and mobile devices is very impressive as medical engineer. Also the good collaborations with different departments of the Baylor College of Medicine and other medical facilities at the Texas Medical Center are very positive opportunities to gain high research experience. From the first day on I felt like a member of the research team and I was able to build true friendships with my team members.</p> |

**Contact within the host institution**

Head of the Interdisciplinary Consortium of Advanced Motion Performance is Bijan Najafi, PhD, M.Sc. ([Bijan.Najafi@bcm.edu](mailto:Bijan.Najafi@bcm.edu)). The research team is working closely together with the Department of Vascular Surgery at the Baylor College of Medicine. Many projects are guided and supervised by clinical experts. iCAMP also offers and welcomes internships or post-doctoral position in the field of biomedical engineering.

**Recommendations for future Marshall Plan applicants**

To all future Marshall Plan applicants I recommend to plan their travel to the USA in detail before starting the stay abroad. It is very important to collect enough information about public transportations, insurance, culture and lifestyle. Additionally, it helped me a lot to be in frequent contact with the host institution to get some information before starting the trip.

**Contact Email after completion of research stay**

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