

Webster Vienna Training Scholarship (WVTS):
Project Proposal

Department: Psychology
Semester: Spring 2021 (from January 2021 to May 2021)
Estimated weekly workload in hours: 10
Program Level: Undergraduate or Graduate
Scholarship Amount: equivalent of the tuition of one 3-credit course

Project Title: Social Signal Processing and Experiment in Prejudice & Discrimination
Project Leader: Marc Mehu and Gernot Gerger

Project Outputs:

The project outputs will be in the form of a database of social signals including time-aligned annotations of audio-video material and physiological data previously recorded in the CanBe Lab – Observation.

The organization of this data is an essential step of the research process in social signal analysis and is part of an existing project investigating the multimodal expression of emotion in relation to fundamental life events. The data will be used for future publications and dissemination at scientific meetings. This is a unique opportunity for students to learn about data processing at different levels of analysis (physiological and behavioral). The candidate will also receive specific training with commonly used software for behavioral data processing and analysis such as *Elan*, *Praat*, *R*, and *JASP*.

The candidate will also assist in the preparation of a social psychology experiment in which participants are involved in a computer-mediated interaction with a confederate.

Tasks/Project Outputs	Deadline	Percentage of Time Spent on Responsibilities (equaling 100%)
<ul style="list-style-type: none"> Research training in the CanBeLab Physiology, and Social Interaction and Behavior Analysis 	Week 4, Spring 1, 2021	5%
<ul style="list-style-type: none"> Preparation of a social psychology experiment 	Week 4, Spring 1, 2021	10%
<ul style="list-style-type: none"> Introduction to data processing, synchronization of signals, and statistical analysis 	Throughout the semester	15%
<ul style="list-style-type: none"> Behavioral annotation of social interactions Synchronization of physiological, auditory, and visual signals 	Week 8, Spring 2, 2021	30%
<ul style="list-style-type: none"> Auditory processing of vocal signals with Praat Processing of video data with FaceReader (software for facial behavior analysis), and Observer XT (integration of peripheral physiology and behavior) 	Week 8, Spring 2, 2021	40%

Qualifications needed to accomplish tasks and responsibilities:

- Good communication skills (no German required)
- Good organizational and analytical skills
- Basic computer skills and willingness to learn complex computer software
- Basic knowledge of research methods in psychology (PSYC 1100 and PSYC 2875)
- Completion of PSYC 1100, PSYC 2875, and PSYC 3600 with a minimum grade of B
- Good problem-solving skills
- Motivated about psychological research
- Trustworthy, enthusiastic and outgoing