

## PROJECT INFORMATION SHEET

**Title of Study:** Nicotine Dependence and Withdrawals in Electronic Cigarettes (E-Cigs) and Traditional Cigarettes Users

**Experiment Open Date:** September 26, 2017 **Experiment Close Date:** December 09, 2017

**(IRB) Approval Number:** 17-SS-201

**Participation Credits:** 4 credits (2 per experimental session)

**Time (duration):** Approximately 30 minutes (each experimental session)

### **Brief Description of Study:**

The purpose of this study is to gain an understanding of the dependence and withdrawal effects of daily E-cig users as compared to traditional cigarette users. Additionally, we will be evaluating the effects E-cigs and cigarettes have on various physiological measures which include heart rate, blood pressure, nicotine concentration, and several health related biomarkers. To measure these health related biomarkers we will need to withdrawal blood via venipuncture. To adequately test these research questions, we need subjects to participant in **TWO** experimental session. The experimental sessions will be similar and will last approximately 30 mins. For the experimental session, we need you to vape or smoke your E-cigs or traditional cigarettes ad lib (as you normally would smoke) leading up to their experimental session. We ask that you vape smoke within 30 minutes of the study; however, this is optional and we will not exclude you from the study if you have smoked within 2 hours of your experimental session. We also ask that you **DO NOT** eat for 12 hours (12 hour food fast required) before the session because it can interfere with the blood biomarkers that we are evaluating. For the second experimental session, we need you to **ABSTAIN** (do NOT use) from nicotine use (E-cigs, traditional cigarettes, etc.) for approximately 12 hours. Additionally, you cannot use your vape even if you use a nicotine-free E-juice.

### **Participation Criteria**

Students that are at least 18 years of age are able to participate in this study. You must be a non-smoker, E-cig user that uses nicotine free E-juice, E-cig user that using nicotine E-juice, or a traditional cigarette smoker.

### **Location**

The research study will take place in the Weber State University SW133.

### **Time slots for the experimental session are below:**

Email [makenziepeterson@mail.weber.edu](mailto:makenziepeterson@mail.weber.edu) to sign up for the study

### **Researchers:**

Dr. Todd Hillhouse (psychology department)

Makenzie Peterson (psychology student)

Cayla Lynch (psychology student)

### **Questions:**

Please contact Dr. Todd Hillhouse at [todddhillhouse@weber.edu](mailto:todddhillhouse@weber.edu) if you have questions. Please include the Study Number in the subject line of the email.