

phosphenes

(n.) the colors or "stars" you see when
you rub your eyes

Do you want to see Electrically-Stimulated Phosphenes?

By electrically stimulating the facial surface, Phosphenes can be induced. This research study is investigating the relationship between facial electrical stimulation and Phosphene perception.

Study Title:

"The Effects of Facial Electrical Stimulation on Visual Perception"

This study is conducted by **Prof. Sasha Douplik (Supervisor, PI, Physics): douplik@ryerson.ca**
and **Faraz Sadrzadeh-Afsharazar (MASc Candidate-Biomedical Engineering): fsadrzad@ryerson.ca**

We are looking for 8 healthy volunteers between ages of 20–60, with no past history of recreational/prescription drug use (Specifically hallucinogens, stimulants, anti-psychotic, anti-anxiety, SSRIs, cannabinoids, and tranquilizers), panic attacks, migraines, and agoraphobia.

For the study you will need to:

- 1) Complete a questionnaire (through email)
- 2) Review and sign a consent form
- 3) Wear EEG electrodes on your face and receive mild electric shocks and then draw what you see during the experiment
- 4) Provide about 30 minutes of your time (**no compensation will be provided**)

If you are interested to participate in this study or you would like more information please email us at fsadrzad@ryerson.ca from October 2019 – September 2020. **The results from this research study will be kept confidential and identify-neutral.** The data will be used towards scientific publications and a thesis defence.

This research study has been reviewed and approved by the Ryerson University Research Ethics Board. REB number: (2019-324).