

# Study Opportunity in

## Motor Performance and EEG Rhythms

You are invited to participate in a research project aimed at determining the relationship between motor performance when interacting with an object and brain wave activity.

The study involves completing some assessments to determine your age, gender, handedness, maximum grip force, skin sensitivity on your hands and fingers, and how you currently feel (ex, well-rested or tired).

You will then complete tasks such as picking up and handling small objects or squeezing a force sensor with your fingers to match a target force. While you do this, we will record your brain wave activity through electroencephalography (EEG).

This study will take up to 4 hours, and will take place in the USD medical school campus in Vermillion, Sioux Falls, or Rapid City. We can also test you in your own home if that is more convenient.

We are recruiting both individuals who have experienced a stroke, and individuals who have not had a stroke. If you are interested in participating, are at least 18 years of age, have normal or corrected to normal vision (with glasses or contact lenses), and do not have any neurological, psychiatric, or psychological condition that would alter brain function:

Contact Dr. Taylor Bosch at **605-658-6340** or email **NeuroCore@usd.edu** to set up an appointment.

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