

Seeking ages 4-55:

- Individuals with Down syndrome
- Siblings of individuals with Down syndrome
- Typical sibling pairs without a family history of Down syndrome

What is this study about?

This study is a collaborative effort between Pennsylvania State University (PSU), Johns Hopkins University, and Emory University. We will combine several lines of evidence on heart defects, sleep apnea, skin pigmentation, and cognition to explore how these factors are related to each other and to facial form. Our hope is to find relationships among these traits that lead to improvements in health for individuals with Down syndrome.

PSUs part in this collaborative project is to collect and analyze facial images. We have a special camera that we use to take 3D pictures of faces. Afterwards, we collect measurements from these images to compare facial forms.

Phenotypic Variation in Down Syndrome

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What will I have to do?

- Visit our laboratory one time to have your 3D picture taken.
 - No health risks are associated with this camera system.
- Image collection and filling out consent forms takes 5-7 minutes.
 - Parental consent is required.
 - Participation is voluntary.
 - Financial compensation is not provided.
 - We will mail you a copy of your images saved to a CD if desired.

Where does the research happen?

- The PSU Image Analysis and Morphometrics Laboratory in 311 Carpenter Building, University Park, PA is required.

Who do I contact for more information?

- For more information or to schedule an appointment please contact John Starbuck at jms1043@psu.edu or 814-865-2066.
- This research is under the direction of Joan T. Richtsmeier, PhD and has been approved by the Penn State Institutional Review Board

