



Universität Hamburg

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## Workshop “Eye tracking and Pupillometry”

Dr. Sebastiaan Mathôt and Ana Vilotijević, University of Groningen

07<sup>th</sup> to the 08<sup>th</sup> of February 2024; 09:00 – 16:00 on both days

### Programme

#### 7<sup>th</sup> of February (6 hours)

- Lecture: theory of pupillometry
- Brief introduction to eye tracking in OpenSesame/ PyGaze
- Hands-on session during which participants implement an experiment
- Lecture: methods of pupillometry
- Q&A

#### 8<sup>th</sup> of February (6 hours)

- Hands-on session during which participants collect data in the lab
- Lecture: analysis of eye-tracking/ pupillometry data
- Hands-on session during which participants analyze their own data
- Q&A

### Relevant reading:

- Mathôt, S. (2018). Pupillometry: Psychology, physiology, and function. *Journal of Cognition*. doi:10.5334/joc.18
- Mathôt, S., & Vilotijević, A. (2022). Methods in Cognitive Pupillometry: Design, Preprocessing, and Statistical Analysis. *Behavior Research Methods*. doi:10.3758/s13428-022-01957-7