



## Students for PhD, MSc and undergraduate projects

The Motor Learning Laboratory is looking for students to participate in a funded research collaboration on neurodegeneration and rehabilitation with Prof. Dagmar Timmann of Essen Germany.

Students should have the background of a biomedical engineer or similar.

Projects include:

- 1) **Behavioral experiments:** using adaptation as a way of understanding the process by which we learn and remember movements.
- 2) **Neurological experiments:** work with aging populations (in collaboration with Itzhak Melzer of physiotherapy) or patients with cerebellar degeneration (in collaboration with Dagmar Timmann of Essen University). Correlating brain degeneration with loss of ability to adapt to changing environments and with specific loss of motor skills.
- 3) **Modeling:** Developing computer models of cerebellar degeneration and its effects on behavior
- 3) **Statistical data analysis:** Novel approaches to the analysis of structural imaging data.

Those interested should send an e-mail with a CV and a short personal statement.

Regards,

**Prof. Opher Donchin**

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