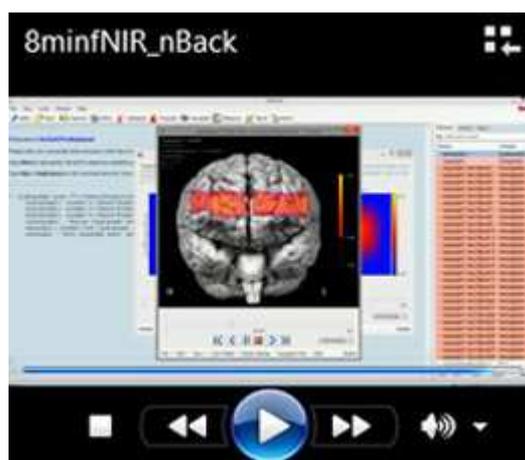
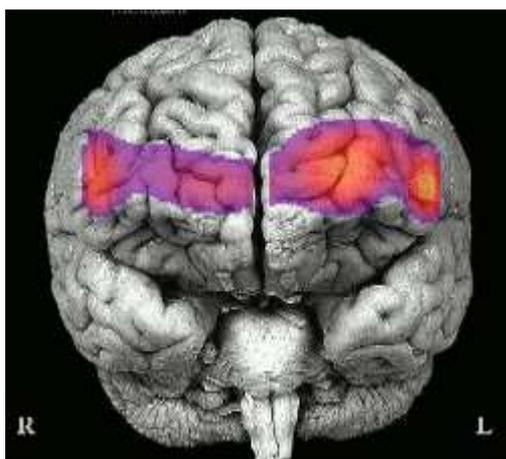


Analysing working memory with fNIRs in 8 minutes

We are pleased to announce that the development in the field now makes it possible for more research groups that has been thinking about fNIRS (=functional Near InfraRed spectroscopy) brain imaging, to also fit this into their budgets. The manufacturer has **lowered the cost** for the 16 channel **fNIR100 system** with more than **35%** starting from 2017!



Watch this 8 minute video to get a quick and right to the point overview of how the workflow in fNIRSOFT Professional Edition looks like when analysing data from an authentic n-Back working memory test! *Click on the picture to the right for viewing the video.*

Advantages with fNIRs functional imaging vs EEG, fMRI, MEG

- Easy to apply the sensorpad
- Very cost effective relative to MEG/fMRI
- Good compromise between temporal and spatial resolution
- Allows more relaxed experiments - no confinement to lying in a scanner
- In contrast to fMRI the subject can move and talk during the test

Oxygen levels and bloodvolume in prefrontal cortex (PFC) shows spatial and temporal brain activation which is useful in a wide range of research areas: ADHD, working memory, memory training dynamics, laterality studies, decisionmaking, neuroergonomics, neurofeedback, pain, attention and anxiety.

fNIRSOFT Professional Edition is developed specifically for an effective signalprocessing and analysis of fNIRs data. By a solidly designed workflow you do filtering/artifact handling, define the datablocks that defines your different conditions and then you via built in analysis tools you can form spatial, temporal or markerbased group operations, averages and statistical correlations. You can also visualize the results by overlaying the data and the whole dynamicals

on anatomical brain maps using colour gradient maps.

MORE ABOUT fNIR »

For further questions about the fNIR system, please contact Fredrik Rådebjörk which is responsible for these products, fredrik@jor.se. We encourage you to tell us about your project details and goals and we will get back to you with more specific proposals and discussions for your specific project.



Skulle du föredra att få dessa nyhetsbrev på svenska i fortsättningen? Skicka ett mejl till biopac@jor.se och meddela oss.

JoR AB Knivsta/Försäljning/Service: 018-34 28 20, measurement@jor.se

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Vill du inte längre ha vårt nyhetsbrev, [avregistrera dig här »](#)