

From: Joi Ito <[REDACTED]>
Subject: Fwd: Pupil diameter as a measure of norepinephrine
Sent: Monday, July 29, 2013 5:06:14 PM
To: Epstein Jeffrey <jeevacation@gmail.com>

Interesting.

Begin forwarded message:

From: "Ed Boyden, [REDACTED]"
Subject: Pupil diameter as a measure of norepinephrine
Date: July 29, 2013 10:02:57 -0700
To: teacho <[REDACTED]>
Reply-To: e[REDACTED]

Is this of use? Sounds like an interesting modality of monitoring -- that pupil diameter could be a measure of overall attention-related processing...

The effects of neural gain on attention and learning
<http://www.nature.com/neuro/journal/v16/n8/full/nn.3428.html>
...We found that measures of pupil diameter, which are thought to track levels of locus coeruleus norepinephrine activity and neural gain, were correlated with the degree to which learning was focused on stimulus dimensions that individual human participants were more predisposed to process...

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Please use my alternative address, ji@media.mit.edu to avoid email auto responder