

X-SPECT First Newsletter

Recent Talks

Andy Clark has been in the US, presenting the following talks:

April 21 - "The Generation Game: Predictive Processing and the Construction of Conscious Experience" Invited talk to the Center for Mind and Brain, University of California, Davis

April 24 - "Busting Out: Two Takes on the Predictive Brain" Invited talk to the Dept of Philosophy, University of Colorado, Boulder

April 25 - "The Generation Game: Predictive Processing and the Construction of Conscious Experience" Invited talk to the Cognitive Science Institute, University of Colorado, Boulder

Sam Wilkinson has been to Vienna:

April 26 - "When Emotion Hijacks Perception: A Predictive Processing Perspective" University of Vienna, Philosophy of Psychiatry Occasional Lecture Series

Forthcoming Events

The first project workshop, entitled Expecting Ourselves: Prediction, Action, and the Embodied Mind, will be held on November 10, 2017 in the Informatics Forum at the University of Edinburgh.

Confirmed speakers include: Karl Friston, Sarah Garfinkel, Lucia Melloni, Anil Seth.

Full programme with more speakers to follow shortly.

The workshop will feature some invited speakers and a poster session for contributed work. The workshop directly follows the **Designed Minds** meeting (November 8-9) to be held at the same location. The two workshops are independent (and each will have its own registration process) but they will tackle many common themes.

The X-Spect workshop is free and open to all, but places are limited and participants will need to register in advance. Details will be on [our website](#) and sent out on this mailing list, as things develop.

Hot Off the Press

(In this section we list a selection relevant papers that have appeared very recently)

Hansen NC, Dietz MJ, Vuust P.

[Commentary: Predictions and the brain: how musical sounds become rewarding.](#)

Front Hum Neurosci. 2017 Apr 5;11:168. doi: 10.3389/fnhum.2017.00168. eCollection 2017.

Brooks J, Thaler A.

[The sensorimotor system minimizes prediction error for object lifting when the object's weight is uncertain.](#)

J Neurophysiol. 2017 Apr 19;jn.00232.2017. doi: 10.1152/jn.00232.2017. [Epub ahead of print]

Bravo F, Cross I, Stamatakis EA, Rohrmeier M.

[Sensory cortical response to uncertainty and low salience during recognition of affective cues in musical intervals.](#)

PLoS One. 2017 Apr 19;12(4):e0175991. doi: 10.1371/journal.pone.0175991. eCollection 2017.

Friston KJ, Rosch R, Parr T, Price C, Bowman H.

[Deep temporal models and active inference.](#)

Neurosci Biobehav Rev. 2017 Apr 14. pii: S0149-7634(16)30709-6. doi: 10.1016/j.neubiorev.2017.04.009. [Epub ahead of print]

Spratling MW.

[A Hierarchical Predictive Coding Model of Object Recognition in Natural Images.](#)

Cognit Comput. 2017;9(2):151-167. doi: 10.1007/s12559-016-9445-1. Epub 2016 Dec 28.

Abend O, Kwiatkowski T, Smith NJ, Goldwater S, Steedman M.

[Bootstrapping language acquisition.](#)

Cognition. 2017 Apr 13;164:116-143. doi: 10.1016/j.cognition.2017.02.009. [Epub ahead of print]

Meyniel F, Dehaene S.

[Brain networks for confidence weighting and hierarchical inference during probabilistic learning.](#)

Proc Natl Acad Sci U S A. 2017 Apr 24. pii: 201615773. doi: 10.1073/pnas.1615773114. [Epub ahead of print]