

## **Thematic overview over the series of lectures in Neuroaesthetics (NEU201)**

### **23.09.13 What is neuroaesthetics? A short introduction.**

#### Litterature:

A. Chatterjee; "Neuroaesthetics: A Coming Age of Story", *Journal of Cognitive Neuroscience* (23, 1), 2010, pp. 53-62.

C. Di Dio, V. Gallese, "Neuroaesthetics, a review", *Current opinion in Neurobiology* (19) 2009, pp. 682-687.

C. Di Dio, E. Maculoso and G. Rizzolatti, "The golden beauty: brain response to classical and renaissance sculptures", *PLoS ONE* 11 (2007), e1201.

D. Freedberg, V. Gallese, "Motion, emotion and empathy in esthetic experience", *Opinion. Trends in Cognitive Sciences*, (Vol. 11 No. 5) 2007, pp. 197-203.

<http://neuroaesthetics.net/papers/>

### **25.09.13 (1) Basic neuroanatomy with particular focus on central structures in neuroaesthetics.**

#### **(2) Functional magnetic resonance imaging (f-MRI) . Working mechanisms and reservations.**

#### Litterature:

M. S. Gazzaniga, R. B. Ivry, G. R. Mangun, *Cognitive Neuroscience. The Biology of the Mind*, Kap. 3, pp. 59-84 (Brainstem).

### **27.09.13 Neuroanatomical structures in aesthetic preference.**

#### Litterature:

O. Vartanian and V. Goel, "Neuroanatomical correlates of aesthetic preference for paintings", *NeuReport*, Vol 15 9. April 2004, pp. 893-897

H. Kawabata, S. Zeki, "Neural Correlates of Beauty", *Journal of Neurophysiology* 91, 2004, pp. 1699-1705. <http://jn.physiology.org/content/91/4.toc>

T. Ishizu, S. Zeki, "Toward a Brain-Based Theory of Beauty", *PLoS ONE* 6 (2011), e21852.

C.J. Cela-Conde, G. Marty, F. Maestú, T. Ortiz, E. Munar, A. Fernández, M. Roca, J. Roselló, F. Quesney, “Activation of the Prefrontal Cortex in the Human Visual Aesthetic Perception”, *Proc. Natl. Acad. Sci. U.S.A.* 101 (2004), pp. 6321-6325 (available online). <http://www.pnas.org/content/101/16/6321.full.pdf+html>

T. Jacobsen, R. I. Schubotz, L. Höfel, D. Yves v. Cramon, “Brain correlates of aesthetic judgment of beauty” *NeuroImage* 29 (2006) pp. 276-285.

C.J. Cela-Conde, L. Agnati, J.P. Huston, F. Mora, M. Nadal, “The Neural Foundations of Aesthetic Appreciation, *Progress in Neurobiology* 94 (2011) pp. 39-48 (available online).

**30.09.13**      **Professor Vilayanur Ramachandran’s “eight laws about aesthetic experience”.**

Litterature:

V.S. Ramachandran and William Hirstein, “The Science of Art. A Neurological theory of Aesthetic Experience”, *Journal of Consciousness Studies*, 6, No. 6-7, 1999, pp. 15-51.

**02.10.13**      **Aesthetics and cognition in an evolutionistic perspective.**

Litterature:

M. Nadal *et al.*, “Constraining Hypotheses on the Evolution of Art and Aesthetic Appreciation”, i M. Skov og O. Vartanian (red.), *Neuroaesthetics*, New York 2009, pp. 103-129.

D.W. Zaidel, M. Nadal, A. Flexas, and Enric Munar, “An Evolutionary Approach to Art and Aesthetic Experience”, *Psychology of Aesthetics, Creativity, and the Arts*, 2013. Vol 7No 1, pp. 100-119.

C.J. Cela-Conde, F.J. Ayala, E. Munar, F. Maestú, M. Nadal, M.A. Capò, D. del Rio, J.J.Lopez-Ibor, T. Ortiz, C. Mirasso and G. Marty, “Sex-related similarities and differences in the neural correlates of beauty”, *Proc Natl Acad Sci U S A* **106** (2009), pp. 3847–3852.

<http://neuroaesthetics.net/papers/theory-and-review/>