

## **Andres Kurismaa, MSc**

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### **Areas of specialization:**

History and philosophy of life sciences, History and philosophy of neuroscience; Biosemiotics

### **Education:**

2015-...: PhD studies in Theoretical and Evolutionary Biology, Faculty of Sciences, Charles University in Prague. (Thesis defense due in Sept, 2019).

2010-2012: Graduate study in Cognitive Science (MSc), University of Osnabrück, Germany. MSc degree with a dual specialization in 1) Philosophy of Cognition and 2) Neuroscience

2004-2009: Undergraduate study in Semiotics (BA), University of Tartu, Estonia.

### **Positions held to date:**

2013-2015: Research assistant, antÉ Institute for Research in Anticipatory Systems, The University of Texas at Dallas, USA.

### **Professional memberships:**

International Society for Biosemiotic Studies (ISBS).  
antÉ Institute for Research in Anticipatory Systems.

### **Participation in funded research projects:**

2016-2019: *Beyond determinism: Reassessing the contributions of early systemic anticipation research*. Lead investigator, personal research grant by the Charles University Grant Agency (GAUK) (project No. 926916).

### **Academic awards and scholarships:**

2016-2019: Charles University Grant Agency research grant (926916).

2010-2012: German Academic Exchange Service (DAAD) scholarship for MSc studies.

2009-2010: St. Petersburg State University scholarship for foreign students.

### **Academic services:**

Conception and co-organization of the International Workshop “*Anticipation: Learning from the Past*” (1-3.09.2014), in collaboration with its leading organizer Dr. M. Nadin, at Hanse Institute of Advanced Study, Delmenhort, Germany.

Conception of the International Workshop “*Anticipation: The Interdisciplinary Perspective*” (22-24.09.2014), in collaboration with its leading organizer Dr. M. Nadin, at Hanse Institute of Advanced Study, Delmenhort, Germany.

### **Selected peer-reviewed and invited international talks/lectures (last five years):**

2018: Basic neural anticipation: The problem of afferent synthesis. *18<sup>th</sup> Gatherings in Biosemiotics*, Berkeley, USA – June 17–20, 2018.

2017: Associative learning and epigenetic inheritance of a neural code: Theoretical and code biological problems. *Fourth International Conference in Code Biology*, iASK Institute for Advanced Study, Kőszeg, Hungary, 22-26 May 2017.

2017: Associative semiosis and inheritance. *17th Annual Gatherings in Biosemiotics*. Lausanne, Switzerland, 6.-10.06.2017.

2016: Embodiments of interaction: In search for dynamic mechanisms. *Third International Conference in Code Biology*, Urbino, Italy, 24-28 May 2016.

2014: Approaches to Anticipation in the Framework of Dominant Studies. Talk at the international workshop *Anticipation: Learning from the Past*, at Hanse Wissenschaftskolleg, Delmenhorst, Germany, September 1-3, 2014.

### **Selected peer-reviewed publications (last five years):**

- Kurismaa, A. (2018). Assimilating an Associative Trait: from Eco-Physiology to Epigenetics. *Biosemiotics*, 11(2), 199-229.
- Pavlova, L. P., Berlov, D. N., & Kurismaa, A. (2017). Dominant and opponent relations in cortical function: An EEG study of exam performance and stress. *AIMS Neuroscience*, 5(1): 32–55.
- Kurismaa, A., and Pavlova, L. P. (2016). The Dominant as a Model of Chronogenic Change: The Relevance of AA Ukhtomsky's and LS Vygotsky's Traditions for Systemic Cognitive Studies. In: Klempe S.H., Smith R., (Eds.), *Centrality of History for Theory Construction in Psychology* (pp. 125-149). Springer, Cham.
- Kurismaa, A. (2016). Anticipation. In: Higuera, C., Bennett, T., (Eds.), *Concepts for Semiotics* (pp. 177-186). University of Tartu Press.
- Kurismaa, A. (2015a). Perspectives on Time and Anticipation in the Theory of Dominance. In *Anticipation: Learning from the Past* (pp. 37-57). Springer, Cham.
- Kurismaa, A. (2015b). On the origins of anticipation as an evolutionary framework: functional systems perspective. *International Journal of General Systems*, 44(6), 705-721.
- Nadin, M., and Kurismaa, A. (2015). From Russia with Love/Russian experimental and empirical contributions informed by an anticipatory perspective. *International Journal of General Systems*, 44(6), 615-620.