



**COGNITIVE
PSYCHOLOGY**
DEPARTMENT

Hungary, 1064 Budapest, Izabella utca 46.

Specialisations and Research Topics in Cognitive Sciences at **ELTE Budapest**

Ildikó Király



ELTE



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Briefly about ELTE

- ***Eötvös Loránd University*** -ELTE the longest continuously serving university of Hungary
- With a growing reputation for research and innovation
- offers its diverse student population high quality education and research.



ELTE

Cognitive Science Program

As this is collaborative Masters Program with the contribution of several Faculties and disciplines,

It offers research specialisations from diverse fields of scientific research:

- Philosophy of Science – *Research team lead by **George Kampis***
- Cognitive neuroscience - *Cognitive Neuroscience and Space Research Group lead by **István Czigler***
- Comparative Cognition - lead by **Ádám Miklósi**
- Human Ethology – lead by **József Topál**
- Cognitive Psychology – *Numerical Cognition, **Attila Krajcsi** and Social Minds Research groups - **Ildikó Király, Categorisation, Anett Ragó***
- **Grid Cells and Spatial cognition – Zoltán Nádasdy**



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Philosophy and sociology of Science



- The research group of **George Kampis** has recently turned to hard methods in the philosophy and sociology of science.
- Data mining and data analysis to uncover patterns of development in scientific fields at research universities
- develop tools for the analysis and presentation of scientometric data.
- A recent work is about social cognitive mechanisms in universities: "Do institutions think? A study of excellence and its effect on scientific development"

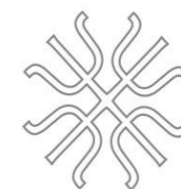


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Cognitive Neuroscience

István Czigler, Ferenc Honbolygó and Anett Ragó

- The cognitive neuroscience specialization offers investigation of electrophysiological and functional changes
- together with behavioral correlates of perceptual and cognitive abilities
- The cognitive developmental specialization investigates the underlying neural mechanisms of the development of cognition and social learning.



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Comparative Behavioural Research Group & Family Dog Project

Comparative analysis of social cognition in dogs and humans: a multi-level approach;

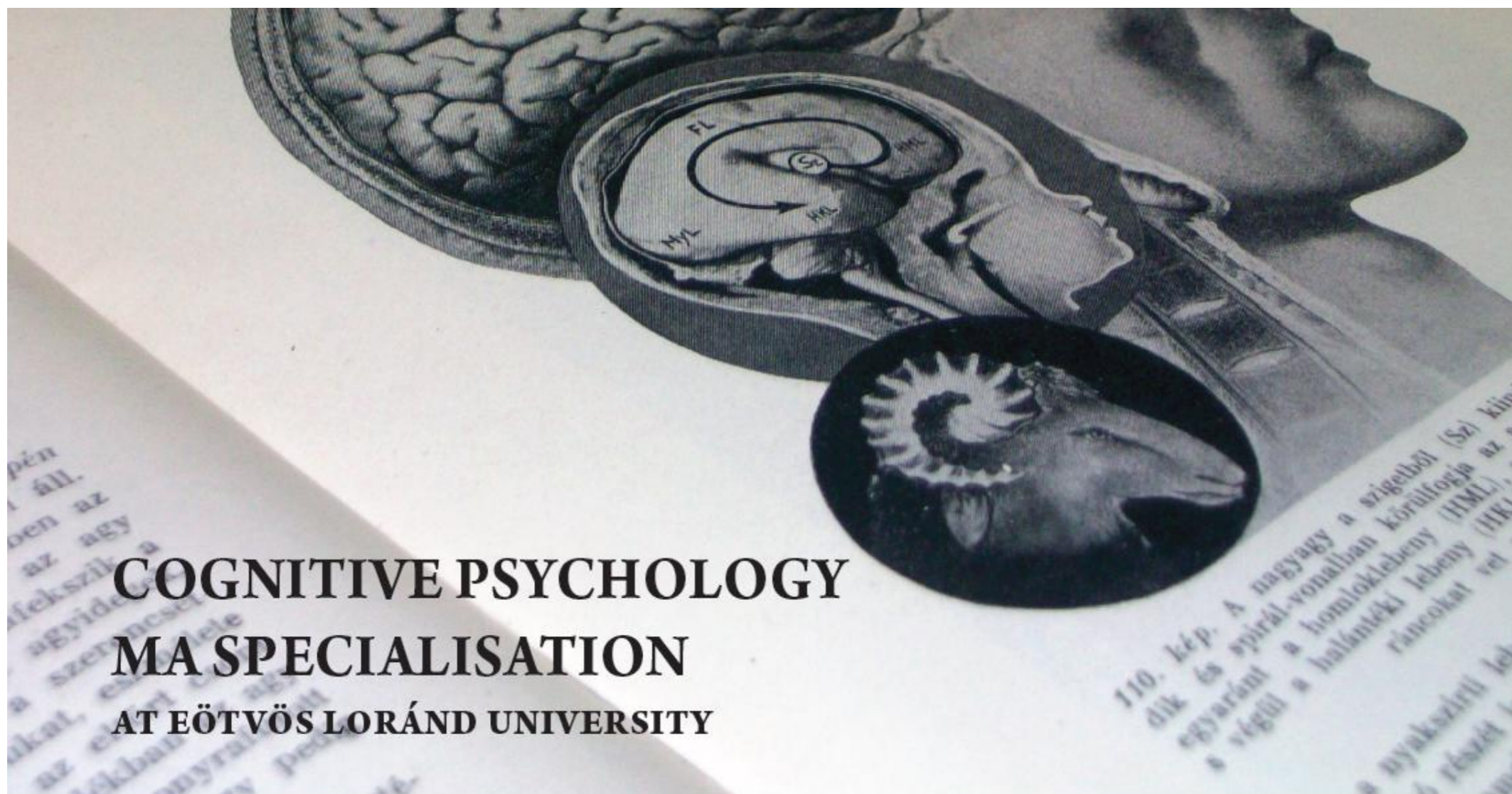
Family Dog Project aims to study human-dog interaction from an ethological perspective: domestication of dogs resulted in a unique relationship with humans because of adjustments to human social environment



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**COGNITIVE PSYCHOLOGY
MA SPECIALISATION
AT EÖTVÖS LORÁND UNIVERSITY**



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Ildikó Király, Kata Egyed

- study of social cognitive processes and their development
- the emergence of episodic and autobiographical memory, the role of imitation in social learning, the development of theory of mind and its relation to other high level cognitive processes





MATHEMATICAL COGNITION RESEARCH GROUP



Attila Krajcsi

- The role of number notations in numerical processing
- Negative numbers
- The development of counting abilities



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Human Electrophysiology Research Group

Nádasdy Zoltán-

- Gamma phase code for faster encoding and decoding of information
- Grid cells and spatial navigation



Our Collaborative Partners in Research



- CEU IAS
- CEU Cognitive Science Department

- Hungarian Academy of Sciences



Thank You!



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