

## Curriculum Vitae

### David G. Nagy

Hungarian citizen

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### Education

- 2017**  
(expected) PHD IN PHYSICS.  
Eotvos Lorand University, Budapest, Hungary
- 2014** MSC IN PHYSICS.  
Eotvos Lorand University, Budapest, Hungary
- 2012** BSC IN PHYSICS.  
Eotvos Lorand University, Budapest, Hungary

### Research experience

- since 2014** JUNIOR RESEARCH FELLOW.  
Wigner Research Centre for Physics, Hungarian Academy of Sciences  
▷ *Computational Systems Neuroscience Lab.* ▷ *Supervisor: Gergo Orban.*
- 2013** SUMMER RESEARCH INTERN.  
Wigner Research Centre for Physics, Hungarian Academy of Sciences  
▷ *Computational Systems Neuroscience Lab.* ▷ *Supervisor: Gergo Orban.*
- 2010-2013** UNDERGRADUATE RESEARCHER.  
Institute of Experimental Medicine, Hungarian Academy of Sciences  
▷ *Laboratory of Cerebral Cortex Research.* ▷ *Supervisor: Szabolcs Kali.*

### Other training

- 2015** MACHINE LEARNING SUMMER SCHOOL TUBINGEN.  
Max Planck Institute for Intelligent Systems, Tübingen, Germany
- 2012** THEORETICAL PHYSICS SUMMER SCHOOL ON QUANTUM GRAVITY.  
Science University of Szeged, Szeged, Hungary

### Publications

- 2016** EPISODIC MEMORY AS A PREREQUISITE FOR ONLINE UPDATES OF MODEL STRUCTURE.  
D.G. Nagy, G. Orban  
▷ *Proceedings of the 38th Annual Conference of the Cognitive Science Society.*

## Conference abstracts and posters

- 2016** COMPUTATIONAL CONSTRAINTS ON THE DYNAMICS OF MEMORY FROM OPEN HYPOTHESIS SPACES.  
**D.G. Nagy**, G. Orban  
▷ *Poster, 6th International Conference on Memory, Budapest, Hungary.*
- 2016** NON-STIMULUS DEPENDENT FACTORS ARE ESSENTIAL WHEN PREDICTING REACTION TIMES IN AN IMPLICIT LEARNING TASK.  
**B. Torok**, K. Janacsek, D.G. Nagy, G. Orban, D. Nemeth  
▷ *Poster, 6th International Conference on Memory, Budapest, Hungary .*
- 2016** EPISODIC MEMORY AS A PREREQUISITE FOR ONLINE UPDATES OF MODEL STRUCTURE.  
**D.G. Nagy**, G. Orban  
▷ *Poster, Budapest CEU Conference on Cognitive Development, Budapest, Hungary.*
- 2015** A NORMATIVE ACCOUNT OF EPISODIC MEMORY IN ONLINE LEARNING OVER OPEN MODEL SPACES.  
**D.G. Nagy**, G. Orban  
▷ *Poster, Donders Discussions 2015, Radboud University, Nijmegen, The Netherlands.*
- 2015** NORMATIVE ACCOUNT OF EPISODIC MEMORY.  
**D.G. Nagy**, G. Orban  
▷ *Poster, MLSS, Tubingen, Germany.*
- 2013** MECHANISMS OF SHARP WAVE-RIPPLE GENERATION AND AUTONOMOUS REPLAY IN A HIPPOCAMPAL NETWORK MODEL.  
Sz. Kali, E. Vertes, D.G. Nagy, T.F. Freund, A.I. Gulyas  
▷ *CNS 2013 Paris, BMC Neuroscience 2013, 14(Suppl 1):O13 doi:10.1186/1471-2202-14-S1-O13 .*
- 2012** POPULATION DYNAMICS AND SEQUENCE REPLAY IN A NETWORK MODEL OF AREA CA3 OF THE HIPPOCAMPUS..  
Sz. Kali, E. Vertes, D.G. Nagy, A.I. Gulyas, T.F. Freund  
▷ *FENS Forum Abstr. 2012, A-471-0031-01814.*

## Teaching experience

- 2015, 2016** STATISTICAL LEARNING IN THE NERVOUS SYSTEM COURSE.  
Eotvos Lorand University  
▷ *Lecturer, <http://golab.wigner.mta.hu/teaching/>.*
- 2014** PREPARATION COURSE FOR HIGH SCHOOL STATE EXAM IN MATHEMATICS.  
Budapest University of Technology and Economics Student Association  
▷ *Lecturer.*

## Research Talks

- 2016** CogSci 2016, Philadelphia, PA, USA
- 2011** XV. IES Days, Balatonszemes, Hungary  
▷ *Mechanisms of sharp wave-ripple activity in area CA3 of the hippocampus.*

## Outreach Talks

- 2016** Moholy-Nagy University of Art and Design, Budapest, Hungary  
▷ *Invited outreach lecture.*
- 2015** Eotvos Jozsef High School, Budapest, Hungary  
▷ *Invited outreach lecture.*

## Languages

- English Advanced, C1 level
- Hungarian Native