

Vladislav Nikolaev Nachev

Date of Birth: 20 August 1981
Place of Birth: Sofia, Bulgaria

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EDUCATION

Doctoral degree (s.c.l.) at Humboldt University, Berlin, Title of Thesis: “Cognition mediated floral evolution: Pollinator decision making in a virtual pollination ecology paradigm”, October 2013
Enrolled as a Doctoral student at Bielefeld University, April 2008 – December 2009

Diploma at Ludwig-Maximilian University, Munich, August 2007
Diploma Thesis: “Virtual Pollination Ecology – the Impact of Nectarivorous Bats on the Evolution of Floral Nectar Production”: Very Good 1.1
Zoology major, Ecology and Evolutionary Biology minor, Mathematics minor

Intensive German language courses at private school “Prestige”, Sofia, September 2003 – December 2003

Enrolled at Hartwick College, Oneonta, NY, Biology major and Mathematics minor, September 2000 – May 2003
GPA: Very Good 4.00*

Graduated from Instituto Bilingüe “Miguel de Cervantes”, Sofia, May 1999
GPA: Excellent 6.00*

Honors/Awards/Grants

Best non-PowerPoint Talk at Volkswagen Foundation Status Symposium, 2011
Second-best talk at ASAB Easter Conference, 2011
Volkswagen Foundation “Evolutionary Biology” initiative, Doctoral Fellowship, 2009
National Geographic Society Committee for Research and Exploration Grant (Co-investigator), 2008
Cognitive Interaction Technology (CITEC) Fellowship, 2008
Bat Conservation International Grant, 2007
Honors Program, 2000 –2003
Deborah M. Allen Brennen Award, 2003
Selected for the Global Fund Award, 2003
Saxton Undergraduate Fellowship in Biology, 2002
Emerson International Internship Scholarship, 2001
CRC PRESS Freshman Chemistry Achievement Award, 2001
Outstanding First-year Biology Award, 2001
Dean’s List, 2000, 2001, 2002, 2003
Abraham Kellogg Academic Excellence Scholarship, 2000
First place in the Spanish language National Competition in 1996 and in 1997 (Bulgaria)

* Equivalent to 1.0 in the German system

EXPERIENCE

Post-doc, Cognitive Neurobiology, Humboldt University of Berlin, October 2013 –
- research, teaching, and administrative tasks

Cognitive Interaction Technology (CITEC) Fellowship, April 2008 – December 2008
- developed software tools for analyzing behavioral data from experiments on rats

Student Assistant at the department Biology II, Ludwig Maximilian University, Munich, July 2004 – September 2006
- organized and supervised student research projects; participated in development of new behavioral research methods

Internship in Tropical Field Biology at La Selva research station, Costa Rica, January 2002
- assisted a doctoral student in a study on the feeding behavior and ecology of nectarivorous bats

Supplemental Instructor in Biology, Hartwick College, October 2000 – May 2003
- tutored students taking Principles of Biology course

CONFERENCES

German Bat Researcher Meeting 2015, Volkswagen Foundation Status Symposium 2014, DZG Evolutionary Biology Meeting 2013, German Bat Researcher Meeting 2013, Volkswagen Foundation Status Symposium 2011, ASAB Easter Conference 2011, German Bat Researcher Meeting 2011, The Rank Prize Funds mini-symposium on Sensory Aspects of Pollination 2010, Volkswagen Foundation Status Symposium 2010, ATBC 2009, German Bat Researcher Meeting 2009, EMPSEB 2008, IK 2005

PUBLICATIONS

Nachev V, Rivalan M (in prep.) Mice uphold principles of economic rationality for amount and probability of reward
Nachev V, Stich KP, Winter C, et al (2017) Cognition-mediated evolution of low-quality floral nectars. *Science* 355:75–78. doi: 10.1126/science.aah4219
Nachev V, Stich KP, Winter Y (2013) Weber's Law, the magnitude effect and discrimination of sugar concentrations in nectar-feeding animals. *PLoS ONE* 8:e74144. doi: 10.1371/journal.pone.0074144
Nachev V, Thomson JD, Winter Y (2013) The psychophysics of sugar concentration discrimination and contrast evaluation in bumblebees. *Anim Cogn* 16:417–427. doi: 10.1007/s10071-012-0582-y
Nachev V, Winter Y (2012) The psychophysics of uneconomical choice: non-linear reward evaluation by a nectar feeder. *Anim Cogn* 15: 393–400. doi:10.1007/s10071-011-0465-7

OPEN ACCESS DATA AND CODE

<https://github.com/ontogenerator>, <https://doi.org/10.5281/zenodo.164615>, <https://doi.org/10.5281/zenodo.164617>

SKILLS

Languages:

Fluent in Bulgarian, Spanish, English, and German; basic Polish

Computers:

Excellent skills in MS Office, advanced skills in computer-aided statistics (R), advanced skills in Visual Basic, intermediate skills in C# (agent-based modeling, genetic algorithms), basic skills in Python, intermediate skills in CAD (SolidWorks, SolidEdge), intermediate skills in computer graphics (Corel Photopaint, GIMP, Inkscape).

Research:

Cytogenetics; Basic Microscopy; Bio-monitoring: Radiotelemetry, Mistnetting, RFID, automated behavioral observation systems control and analysis.