

## CURRICULUM VITAE – [Zuzana NEDELSKA](#), MD

NAME	POSITION TITLE
Zuzana NEDELSKA	Research Fellow, Dementia program, International Clinical Research Center and St. Anne's University Hospital, Brno, the Czech Rep. Resident, the Department of Neurology and Memory Clinic, Charles University in Prague, 2nd medical faculty and Motol University Hospital, Prague, the Czech Rep. Physician, the Czech Brain Aging Study, Prague and Brno, the Czech Rep.

### Education/Training

2010-2016: PhD in Neuroscience | Charles University in Prague. Advisor: Jakub Hort, MD, PhD.  
2012-2014: Research Fellow in Imaging of dementia with Lewy bodies and Alzheimer's Disease | Alzheimer's Disease Imaging Research, Mayo Clinic Rochester, MN, USA. Advisor: Kejal Kantarci MD, MS.  
2013-2014: Diploma in Translational and Clinical Research | Mayo Graduate School, Rochester, MN, USA.  
2009: MD | Charles University in Prague, 2nd medical faculty, the Czech Rep.

### Positions

Since 2014: Responsible for brain imaging, the Czech Brain Aging Study, Prague and Brno, the Czech Rep.  
2012 - 2014: Research Fellow to Kejal Kantarci MD, MS, ADIR Mayo Clinic Rochester, MN, USA.  
Since 2011: Founding staff neurologist at the Czech Brain Aging Study, Prague and Brno, the Czech Rep., brain imaging and spatial navigation in dementia  
Since 2011: Research Fellow in dementia, International Clinical research Center, Brno, the Czech Rep.  
Since 2010: Resident in Neurology, Department of Neurology, Charles University in Prague and Motol University Hospital, the Czech Rep.

### Top 5 Research Support

- 2011-ongoing ICRC FNUSA: International Clinical Research Center, co-investigator. **Project on clinical and translational research in neurology and cardiology, including dementia program.** CZ.1.05/1.1.00/02.0123, EU Social Fund within the project Young Talent Incubator CZ.1.07/2.3.00/20.0117) and the State Budget of the Czech Rep.
- 2012-2014 Grant agency of the Charles University, the Czech Rep. Principal investigator, **doctoral grant 2120145 on human spatial navigation and its structural underpinnings .**
- 2009-2013 Grant agency of the Czech Rep., co-investigator 309/05/0693 **focal brain lesions and human spatial navigation impairment.**

### Top 5 Relevant Publications (last 5 years)

- White matter integrity in dementia with Lewy bodies: a voxel-based analysis of diffusion tensor imaging. Nedelska Z, ..., Kantarci K. Neurobiol Aging. 2015 Jun;36(6):2010-7.
- Pattern of brain atrophy rates in autopsies-confirmed dementia with Lewy bodies. Nedelska Z, ..., Kantarci K. Neurobiol Aging. 2015 Jan;36(1):452-61.
- Spatial navigation impairment is proportional to right hippocampal volume. Nedelska Z, ..., Hort J. Proc Natl Acad Sci U S A. 2012 Feb 14;109(7):2590-4.
- Aberrant Spontaneous Brain Activity in Patients with Mild Cognitive Impairment and concomitant Lacunar Infarction: A Resting-State Functional MRI Study. Ni L, ..., Nedelska Z, ..., Xu Y, Zhang B. J Alzheimers Dis. 2016 Jan 13.
- Basal Forebrain Atrophy Contributes to Allocentric Navigation Impairment in Alzheimer's Disease Patients. Kerbler GM, Nedelska Z, ..., Coulson EJ. Front Aging Neurosci. 2015 Sep 28;7:185.