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## **MRI in epilepsy: clinical evaluation and new advances**

**Simon Keller**

Assoc.Prof.

(The University of Liverpool)

**23.11.2018 ve 14:30h**

v knihovně Neurologické kliniky FN Motol (uzel D, 2.patro), V Úvalu 84, 150 06 Prague 5.

Přednáška se koná za podpory výzkumného programu /QUALITAS/ - Kvalitní život ve zdraví i nemoci Strategie AV21.



**Dr Simon Keller BSc MSc PhD FHEA FAS**

Currently a Senior Lecturer in Neuroimaging and Neuroscience in the Department of Molecular and Clinical Pharmacology, Institute of Translational Medicine (ITM), University of Liverpool.

**Academic history:**

- PhD in Neurological Science (Neuroimaging in Epilepsy), University of Liverpool (2005)
- Research Associate, Magnetic Resonance and Image Analysis Research Centre (MARIARC), University of Liverpool (2005-2009)
- Research Associate, Department of Neurology, University of Muenster, Germany (2009-2011)
- Lecturer, Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience, King's College London (2012-2013)
- Lecturer, Department of Molecular and Clinical Pharmacology, ITM, University of Liverpool (2013-2017)
- Senior Lecturer, Department of Molecular and Clinical Pharmacology, ITM, University of Liverpool (2017-)
  
- Neuroimaging group leader, Liverpool Epilepsy Research Group (<https://www.liverpool.ac.uk/translational-medicine/research/epilepsy/>)
- Honorary researcher, Walton Centre NHS Foundation Trust ([www.thewaltoncentre.nhs.uk](http://www.thewaltoncentre.nhs.uk))
- Honorary Lecturer, Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience, King's College London (<http://epilepsy-london.org/doctor/simon-s-keller/>)

**Main research interests:**

The use of advanced quantitative neuroimaging techniques, mainly magnetic resonance imaging, to develop non-invasive biomarkers of treatment outcome and cognitive dysfunction in -

- (1) Epilepsy
- (2) Neurodegenerative disorders
- (3) Brain infectious disorders