National Centre for the Replacement Refinement & Reduction of Animals in Research

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# NC3Rs Primate Welfare Meeting 2013

## Primate Neuroimaging: Tools for Animal Welfare and Science

04 November 2013, Central London

## Agenda

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| 09.00 – 10.00 | **REGISTRATION and COFFEE** |
| 10.00 – 10.05 | **Welcome**<br>Professor John Duncan, Chair (MRC Cognition and Brain Sciences Unit, University of Cambridge) |
| **PRESENTATIONS** | |
| 10.05 – 10.25 | **Fundamentals of neuroimaging**<br>Dr Karla Miller (FMRIB Centre, University of Oxford) |
| 10.25 – 10.40 | **Structural imaging/diffusion tensor imaging in NHPs (*ex-vivo*)**<br>Dr Rogier Mars (Experimental Psychology, University of Oxford) |
| 10.40 – 10.55 | **MRI and reversible inactivation using botox**<br>Dr Simon Baumann (Institute of Neuroscience, Newcastle University) |
| 10.55 – 11.15 | **COFFEE and POSTER VIEWING** |
| 11.15 – 11.30 | **Using neuroimaging for diagnostics/ to improve NHP welfare**<br>TBC |
| 11.30 – 11.45 | **Interface between human and non-human imaging**<br>Professor Tim Behrens (Wellcome Trust Centre for Neuroimaging, University College London) |
| 11.45 – 12.00 | **Optogenetics**<br>Professor Wim Vanduffel (Laboratory for Neuro- and Psychophysiology, KU Leuven) |
| 12.00 – 12.15 | **Winner of the poster abstract competition** |
| 12.15 – 13.25 | **LUNCH and POSTER VIEWING** |
| **BREAKOUT SESSIONS** | |
| 13.25 – 13.30 | **Introduction**<br>Dr Mark Prescott (NC3Rs) |

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| 13.30 – 14.20 | **SESSION 1**<br>**a. Data acquisition**<br>*Chair*: Dr Chris Petkov (Newcastle University)<br>**b. Data analysis**<br>*Chair*: Dr Jerome Sallet (University of Oxford)<br>**c. Clinical/Diagnostics**<br>*Chair*: TBC |
| 14.20 – 15.10 | **SESSION 2** – *as above* |
| 15.10 – 15.40 | **COFFEE and POSTER VIEWING** |
| 15.40 – 16.30 | **SESSION 3** – *as above* |
| 16.30 – 17.00 | **Plenary lecture: The future of MR imaging in NHPs**<br>Professor Matthew Rushworth (Experimental Psychology, University of Oxford) |
| 17.00 – 17.10 | **Closing remarks**<br>Professor John Duncan, Chair |
| 17.10 – 18.00 | **NETWORKING RECEPTION** |