

Materials List for:

# Transferring Cognitive Tasks Between Brain Imaging Modalities: Implications for Task Design and Results Interpretation in fMRI Studies

Tracy Warbrick<sup>1</sup>, Martina Reske<sup>2</sup>, N. Jon Shah<sup>1</sup>

<sup>1</sup>Medical Imaging Physics (INM-4), Institute of Neuroscience and Medicine, Research Centre Jülich GmbH

<sup>2</sup>Computational and Systems Neuroscience (INM-6), Institute of Neuroscience and Medicine, Research Centre Jülich GmbH

Correspondence to: Tracy Warbrick at [t.warbrick@fz-juelich.de](mailto:t.warbrick@fz-juelich.de)

URL: <https://www.jove.com/video/51793>

DOI: [doi:10.3791/51793](https://doi.org/10.3791/51793)

## Materials

Name	Company	Catalog Number	Comments
Magnetom Tim Trio 3 T MRI scanner	Siemens Medical Solutions, Erlangen, Germany		
Presentation version 14.8	Neurobehavioural system, Albany, CA, USA		
Lumitouch device	Photon Control Inc, Burnaby, BC, Canada		This device is no longer produced by the manufacturer. Alternative MR compatible response devices are available.
TFT display	Apple, Cupertino, CA, USA	30 inch cinema display	The screen was custom modified in-house to be MR compatible. However, a number of MR compatible screens are available on the market.
Optseq		<a href="http://surfer.nmr.mgh.harvard.edu/optseq">surfer.nmr.mgh.harvard.edu/optseq</a>	program for determining optimal stimulus timing for rapid event related designs
FMRIB software library (FSL)	FMRIB, Oxford	<a href="http://fsl.fmrib.ox.ac.uk/fsl/fslwiki/">http://fsl.fmrib.ox.ac.uk/fsl/fslwiki/</a>	Other software tools are available for analyzing fMRI data, for example SPM, AFNI and Brain Voyager.