Multi-Echo Simultaneous Multi-Slice (MESMS) fMRI Protocol

- Introducing the CFMRI’s new multi-echo multi-slice (MESMS*) protocol
- Capable of acquiring full brain fMRI data with three echoes, 3mm isotropic resolution and a TR of 1.1sec.
- Use the new denoising method MEICA for improved signal to noise ratio and functional connectivity estimates

* The MESMS protocol requires the use of the 32 channel head coil

Comparison of the default mode network maps after applying standard denoising method (i.e. motion correction) and MEICA method (Figure credit: Kundu et al; 2013).

For more information visit the CFMRI website at http://fmri.ucsd.edu/Howto/3T/MESMS.html or email cfmri@ucsd.edu.