

**AFNI+TORTOISE DTI Day (Friday, Nov 8, 2019)**  
**NIH main campus, Building 45 (Natcher), Room C1/2**

**\*\*PRELIMINARY: Order of DTI talks still to be determined\*\***

08:30 - 09:30	<b>Introduction to DTI and FATCAT</b> <i>Paul Taylor</i>
09:30 - 09:45	<u>break</u>
09:45 - 10:40	<b>FATCAT hands-on (with AFNI and SUMA)</b> <i>Paul Taylor</i>
10:40 - 10:55	<u>break</u>
10:55 - 11:50	<b>More FATCAT hands-on and processing</b> <i>Paul Taylor</i>
11:50 - 13:00	<u>Lunch</u>
13:00 - 13:25	<b>Diffusion tensor imaging (DTI) acquisition tips and tricks</b> <i>Joelle Sarlls</i>
13:25 - 14:20	<b>General considerations on the diffusion processing pipeline:</b> <ul style="list-style-type: none"><li>- The advantages of a good processing pipeline</li><li>- Concept of artifacts and artifact remediation</li><li>- Diffusion consequences of EPI distortions</li></ul> <i>Carlo Pierpaoli</i>
14:20 - 14:30	<u>Q&amp;A and break</u>
14:30 - 15:40	<b>DIFFPREP &amp; DRBUDDI &amp; new TORTOISE website/forum</b> <i>M. Okan Irfanoglu</i>
15:40 - 16:15	<b>Preparing data for TORTOISE usage</b> <ul style="list-style-type: none"><li>- reorientation of anatomical reference</li><li>- preprocessing QC</li></ul> <b>Quality assessment of post processed data</b> <i>Amritha Nayak</i>
16:15 - 16:30	<u>Q&amp;A and break</u>
16:30 - 17:00	<b>Overview of DIFFCALC</b> <i>Carlo Pierpaoli</i>
17:00 - 17:15	<b>Overview of DRTAMAS</b> <i>M. Okan Irfanoglu</i>