

AFNI+TORTOISE DTI Day (March 27, 2019)
NIH main campus, Building 45 (Natcher), Room C1/2

08:30 - 09:30 **Introduction to DTI and FATCAT**
Paul Taylor

09:30 - 09:45 break

09:45 - 10:40 **FATCAT hands-on (with AFNI and SUMA)**
Paul Taylor

10:40 - 10:55 break

10:55 - 11:50 **More FATCAT hands-on and processing**
Paul Taylor

11:50 - 13:00 Lunch

13:00 - 13:25 **Diffusion tensor imaging (DTI) acquisition tips and tricks**
Joelle Sarlls

13:25 - 14:20 **General considerations on the diffusion processing pipeline:**
- The advantages of a good processing pipeline
- Concept of artifacts and artifact remediation
- Diffusion consequences of EPI distortions
Carlo Pierpaoli

14:20 - 14:30 Q&A and break

14:30 - 15:40 **DIFFPREP & DRBUDDI & new TORTOISE website/forum**
M. Okan Irfanoglu

15:40 - 16:15 **Preparing data for TORTOISE usage**
- reorientation of anatomical reference
- preprocessing QC
Quality assessment of post processed data
Amritha Nayak

16:15 - 16:30 Q&A and break

16:30 - 17:00 **Overview of DIFFCALC**
Carlo Pierpaoli

17:00 - 17:15 **Overview of DRTAMAS**
M. Okan Irfanoglu

