

AFNI+TORTOISE DTI Day (Friday, Nov. 8, 2019)
NIH main campus: Build 45 (Natcher), C1/C2 Rooms (basement)

- 08:15 - 08:30 **Setup** -- please arrive before 8:30, so we keep on track (or on tract)!
- 08:30 - 08:50 **Diffusion tensor imaging (DTI) acquisition tips and tricks**
Joelle Sarlls
- 08:50 - 09:40 **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
- 09:40 - 10:00 Q&A and break
- 10:00 - 11:10 **DIFFPREP & DR-BUDDI**
M. Okan Irfanoglu
- 11:10 - 11:45 **Preparing data for TORTOISE usage**
- reorientation of anatomical reference
- preprocessing QC
Quality assessment of post processed data
Amritha Nayak
- 11:45 - 13:00 Lunch
- 13:00 - 13:25 **Overview of DIFFCALC**
Carlo Pierpaoli
- 13:25 - 13:35 **Overview of DR-TAMAS**
M. Okan Irfanoglu
- 13:35 - 15:10 **Introduction to FATCAT**
Paul Taylor
- 15:10 - 15:30 break
- 15:30 - 17:15 **FATCAT hands-on (with AFNI and SUMA)**
Paul Taylor