



2015 CREATE-MIA SUMMER SCHOOL: ANTs Workshop, MAY 19-20
Location: Trotter Building, 3630 University St.

Note: Attendance is by invitation only!

| MAY 19 | Room | Title |
|-------------------|---------|--|
| 10:00am - 11:00am | TR 0100 | ANTs introduction and retrospective |
| 11:00am - 11:20am | “ | Questions and discussion |
| 11:20am - noon | “ | Current research topic |
| noon - 1:00pm | “ | Lunch (with informal discussions) |
| 1:00pm - 1:30pm | TR3120 | Command line, path, ants binary install, cmake/source install |
| 1:30pm - 1:45pm | “ | <u>Tutorial</u> : PTBP Data, quick examples |
| 1:45pm - 2:00pm | “ | Questions and discussion |
| 2:00pm - 2:45pm | “ | <u>Tutorial</u> : ANTs registration and template building |
| 2:45pm - 3:15pm | “ | Coffee break |
| 3:15pm - 4:00pm | “ | <u>Tutorial</u> : ANTs segmentation and multi-atlas label fusion |
| 4:00pm - 4:30pm | “ | Remaining core programs and scripts |

| MAY 20 | Room | Title |
|-------------------|---------|--|
| 10:00am - 11:00am | TR 0100 | ANTsR for interpretable image decompositions |
| 11:00am - 11:20am | “ | Questions and discussion |
| 11:20am - noon | “ | Current research topic: ANTsR applications to biomedical research |
| noon - 1:00pm | “ | Lunch (with informal discussions) |
| 1:00pm - 1:45pm | TR3120 | R, antsr binary install, antsr dependencies, vignette |
| 1:45pm - 2:00pm | “ | Questions and discussion |
| 2:00pm - 2:45pm | “ | <u>Tutorial</u> : Study data processing - ASL, BOLD, DTI |
| 2:45pm - 3:15pm | “ | Coffee break |
| 3:15pm - 4:00pm | “ | <u>Tutorial</u> : Statistics and Visualization (antsSurf, SNAP, CreateTiledMosaic) |
| 4:00pm - 4:30pm | “ | Individual discussion |