NA-MIC (Kikinis)
Medical image analysis tools in open source

• 3D Slicer software used worldwide as platform for development and sharing
• Used with genome-wide association studies for COPD, Huntington’s disease, drug treatment trials
• 41,000 downloads in 12 months
• Large impact on NIH grantees: 31 funded collaborations (25 NIH grants) across schizophrenia, lupus, autism, lung disease, cardiac disease, brain cancer, liver, colon, prostate, musculoskeletal disorders.
• International funding: Canada, Germany, Spain, Italy, Japan, Australia.
• “Common Toolkit”: joint transatlantic effort
• 55 engineers, 35 grad students, 20 post-docs.
• 2000 investigators trained in 63 workshops
• 456 full size papers, including awards
• 15 “Project-weeks”, weeklong working events twice a year: over 650 participants

12 months of Slicer downloads
Personalized Connectomics

Characterizing Fiber Pathway Damage in TBI

Streamlines, which are reduced by more than 20% as a result of brain trauma