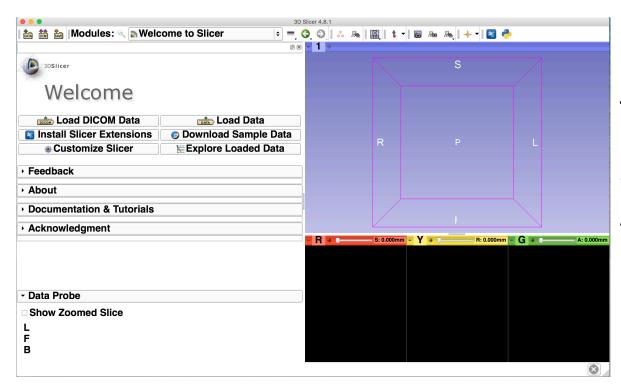
Slicer Welcome

Sonia Pujol, Ph.D.

Assistant Professor of Radiology Brigham and Women's Hospital Harvard Medical School

Goal

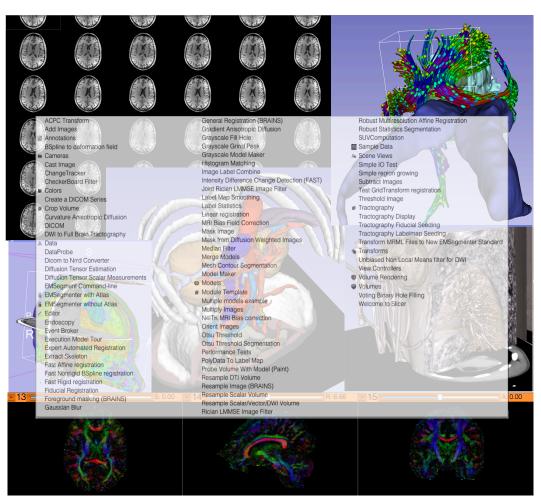


This tutorial is a short introduction to the Welcome module of the Slicer open-source software.

Slicer4 Basics

- Slicer is an open-source software for segmentation, registration and visualization of medical imaging data
- The platform is developed through a multiinstitution effort of several NIH funded largescale consortia.
- Slicer is for medical research only, and is not FDA approved

Slicer4 Basics



3D Slicer 4 version 4.8.1 includes 130 modules and 74 extensions for image segmentation, registration and 3D visualization of medical imaging data.

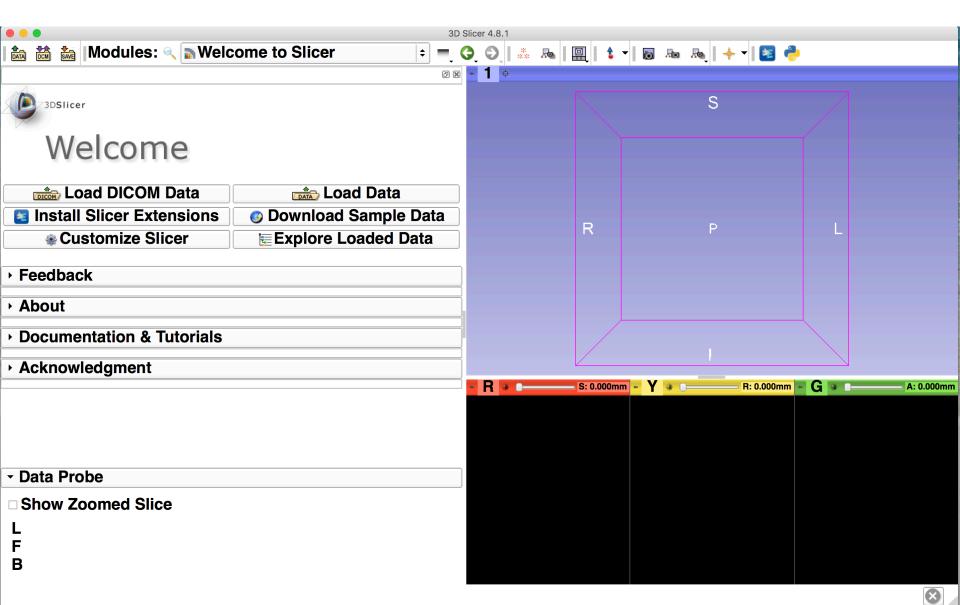
Images courtesy of Ron Kikinis, MD

Supported Platforms

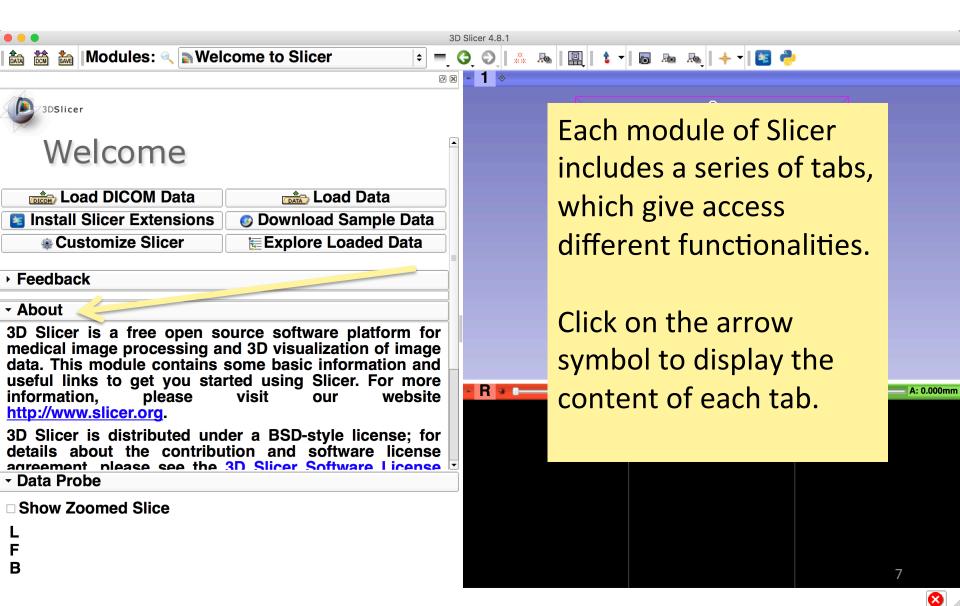
 Slicer is a multi-platform software developed and maintained on Mac OSX, Linux and Windows.

 Slicer requires a minimum of 2 GB of RAM and a dedicated graphic accelerator with 64 MB of on-board graphic memory.

3D Slicer version 4.8



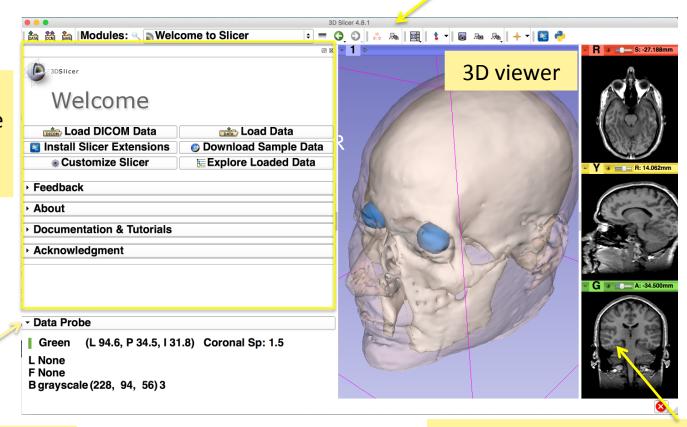
Welcome to Slicer



Slicer User Interface

Toolbar

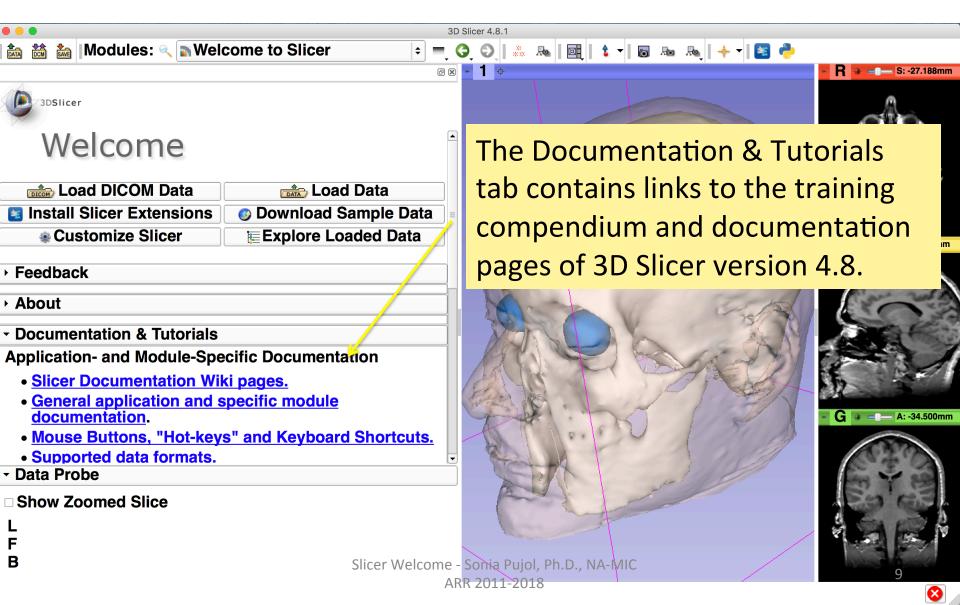
User Interface (UI) panel of the Slicer Welcome Module



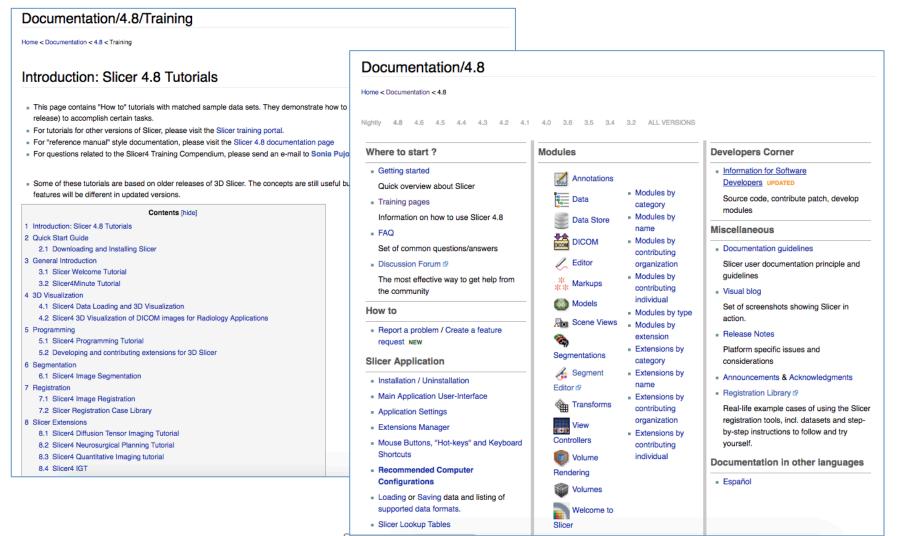
Data Probe

2D anatomical viewers

Welcome Module

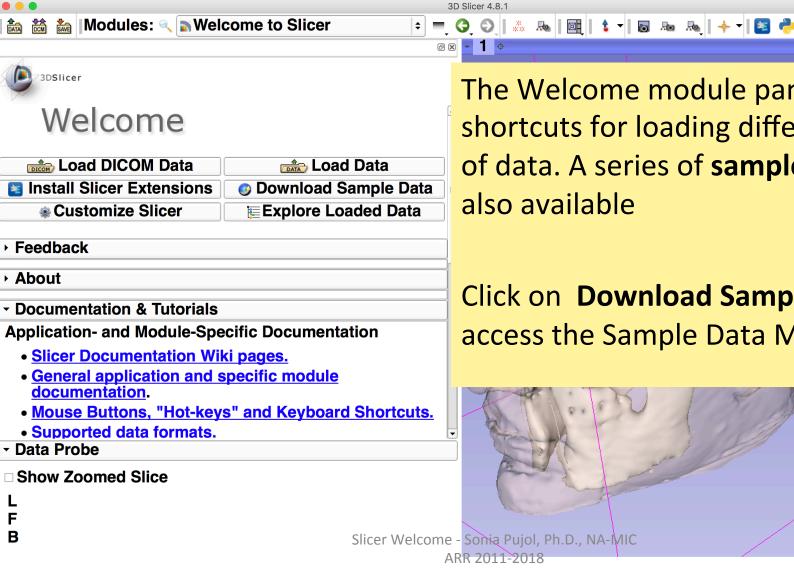


Slicer 4.8 Training & Documentation



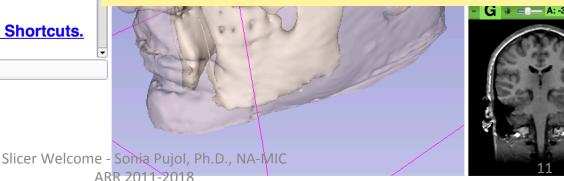
Silcer welcome - Sonia Pujoi, Ph.D., NA-IVIIC

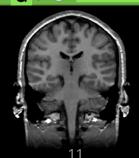
Welcome Module



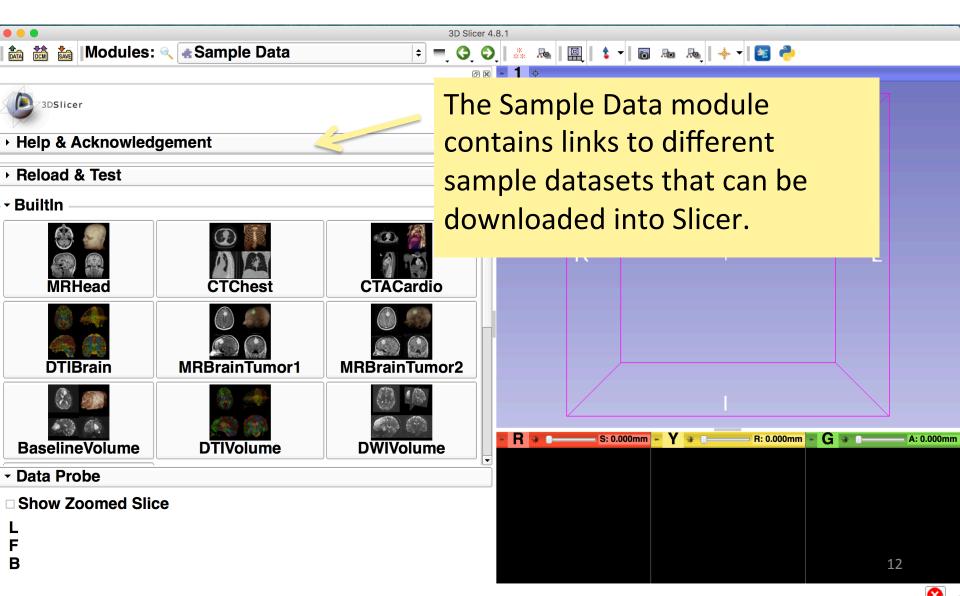
The Welcome module panel contains shortcuts for loading different types of data. A series of **sample data** are also available

Click on **Download Sample Data** to access the Sample Data Module

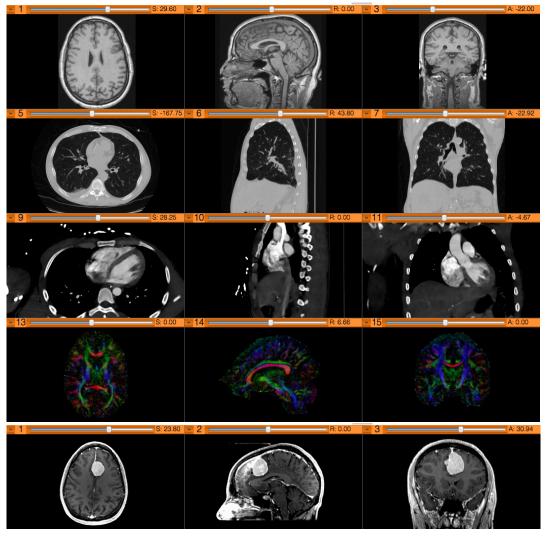




Sample Data



Sample Data



Brain MRI

Chest CT

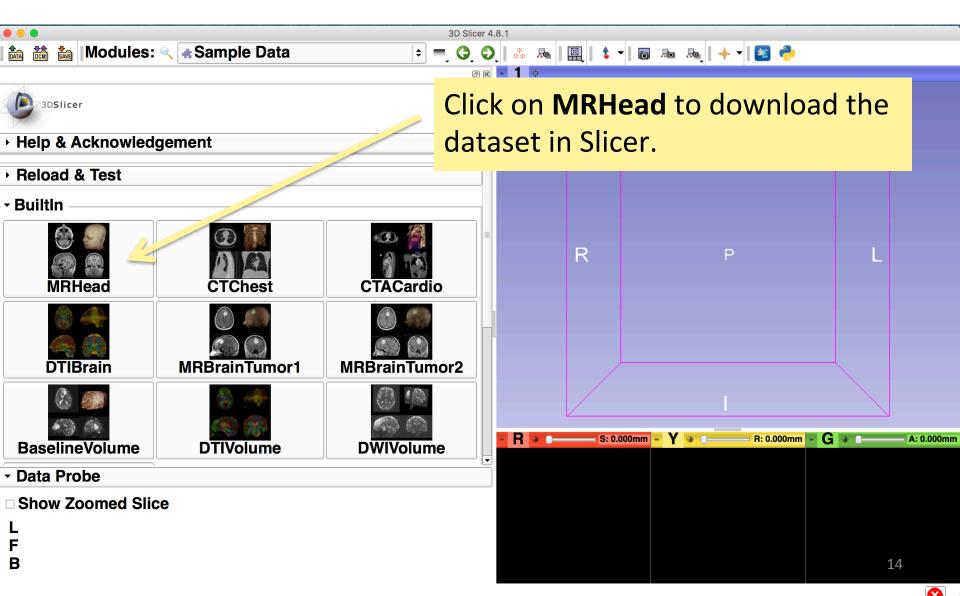
Cardiac CT

Diffusion Tensor Imaging (DTI) Dataset

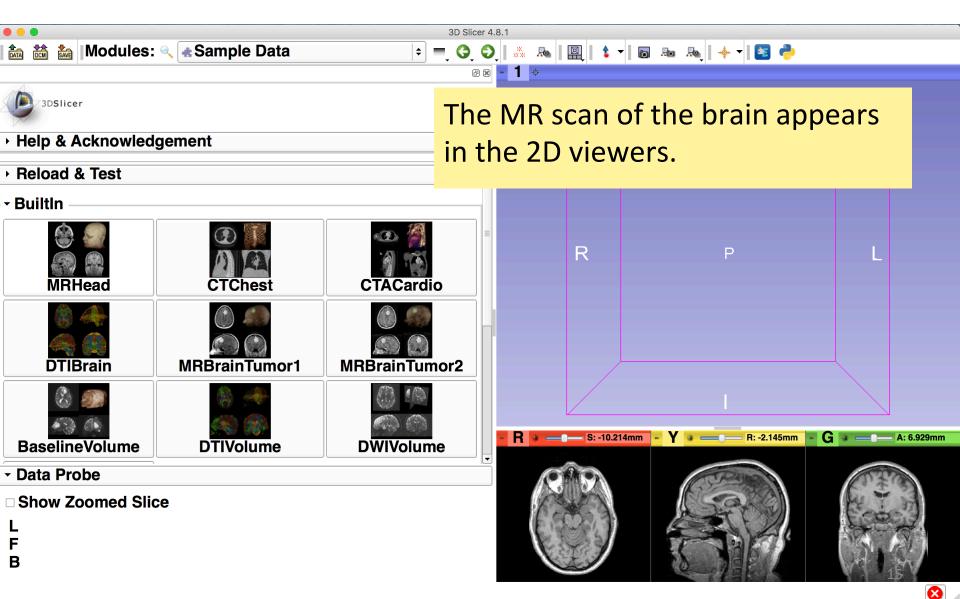
Brain MRI (tumor patient)

Slicer Welcome - Sonia Pujol, Ph.D., NA-MIC ARR 2011-2018

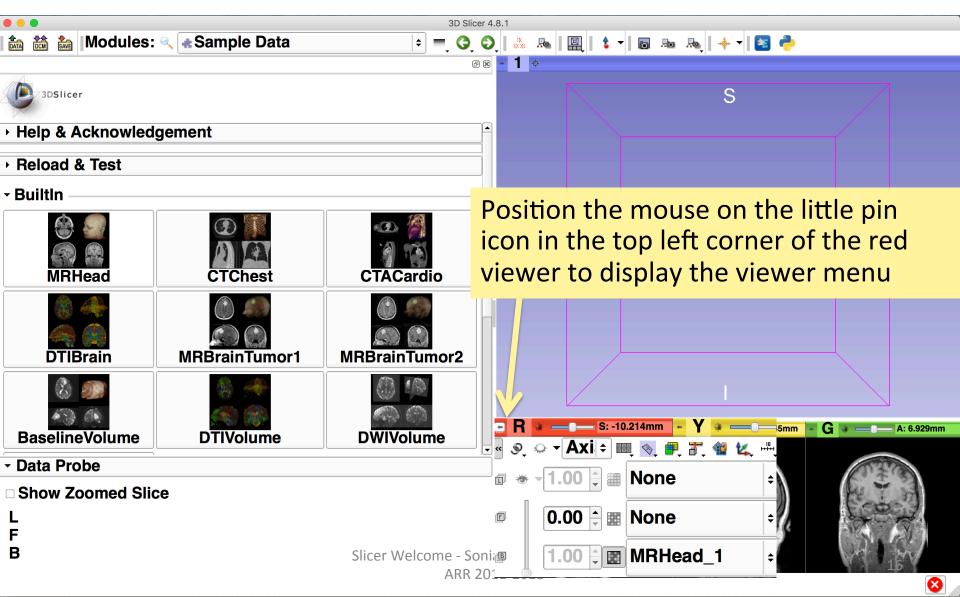
Sample Data



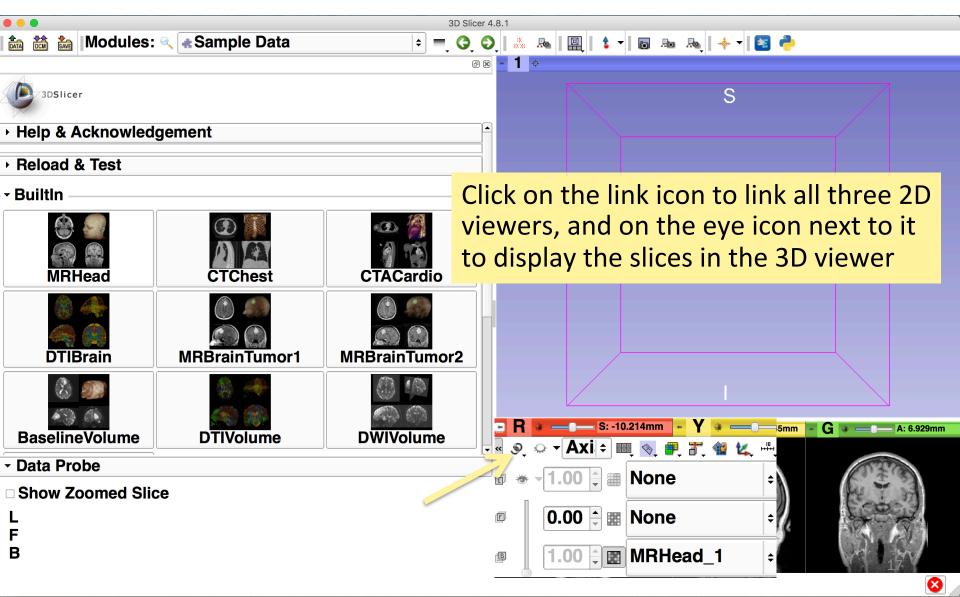
Welcome Module



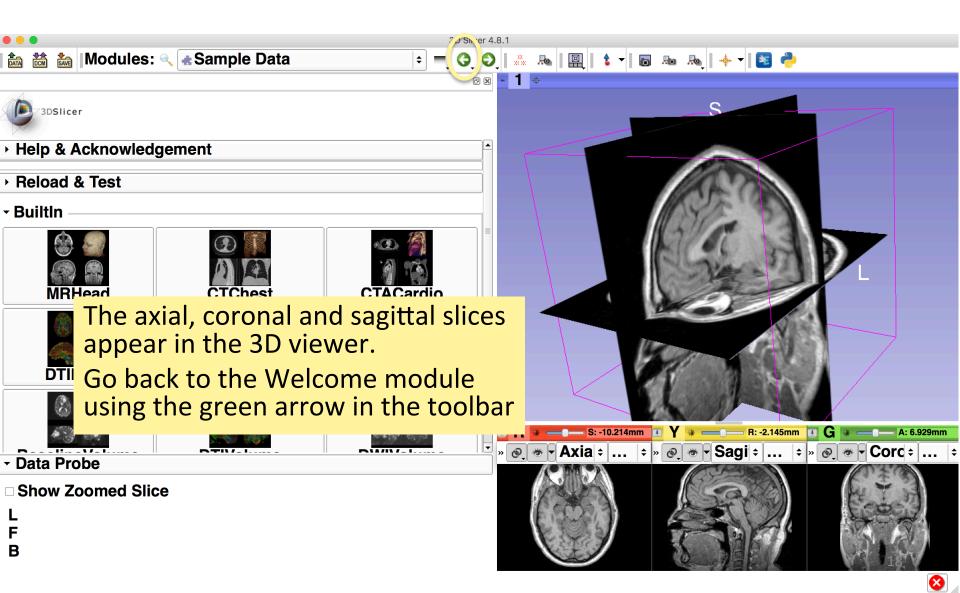
MR Brain Sample Dataset



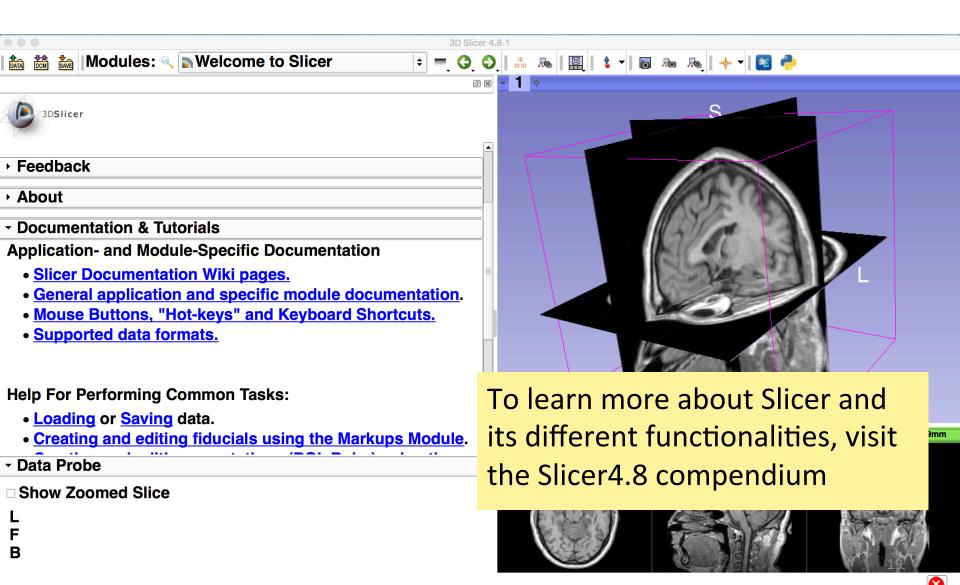
MR Brain Sample Dataset



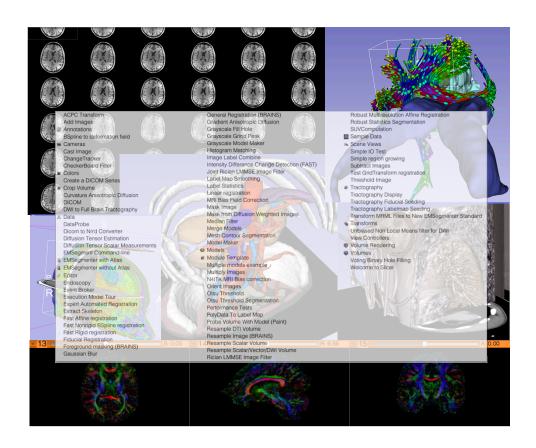
MR Brain Sample Dataset



Going Further



Going Further



http://www.slicer.org/slicerWiki/index.php/Documentation/4.8/Training

Acknowledgments



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Neuroimage Analysis Center

NIH P41EB015902