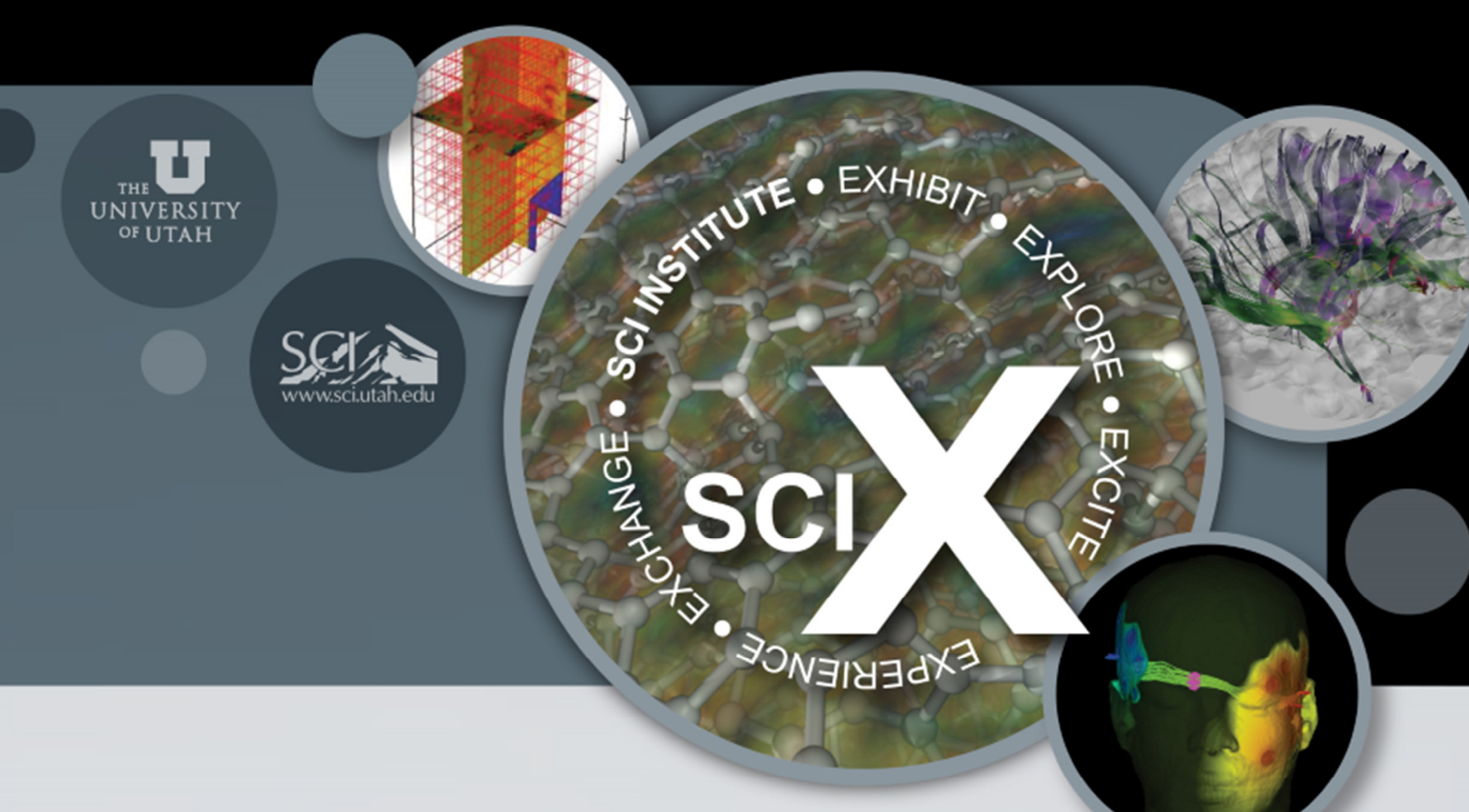# Biomedical Image and Data Analysis Core - BIDAC

Josh Cates, PhD (Director)   –   Clement Vachet, MS, MBA (Associate Director)   –   http://bidac.sci.utah.edu

BIDAC overview

- Health science core facility
- **Offer consulting services**
- Complement other cores
- Leverage SCI expertise
- Enable new collaborations

BIDAC mission

- Facilitate collaborations
- Build new infrastructure
- Write shared papers/grants
- Enable new science

BIDAC expertise

- Image processing
- Quantitative analysis
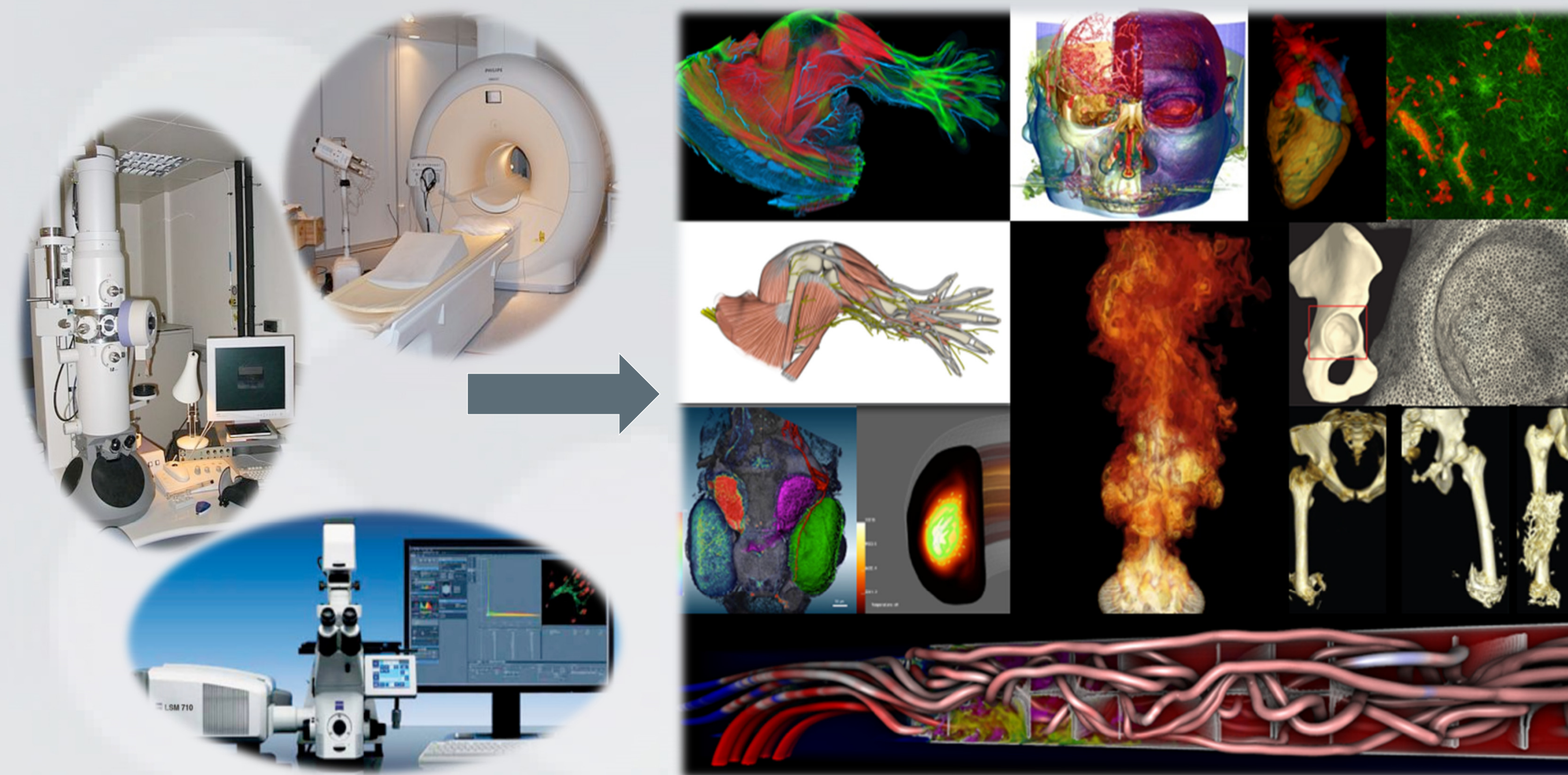- Scientific visualization

BIDAC services

- Consulting services
- Image analysis
- Software prototyping
- Workflow development
- Training

Acknowledgements: BIDAC is supported by the VP of Health Sciences and the SCI Institute
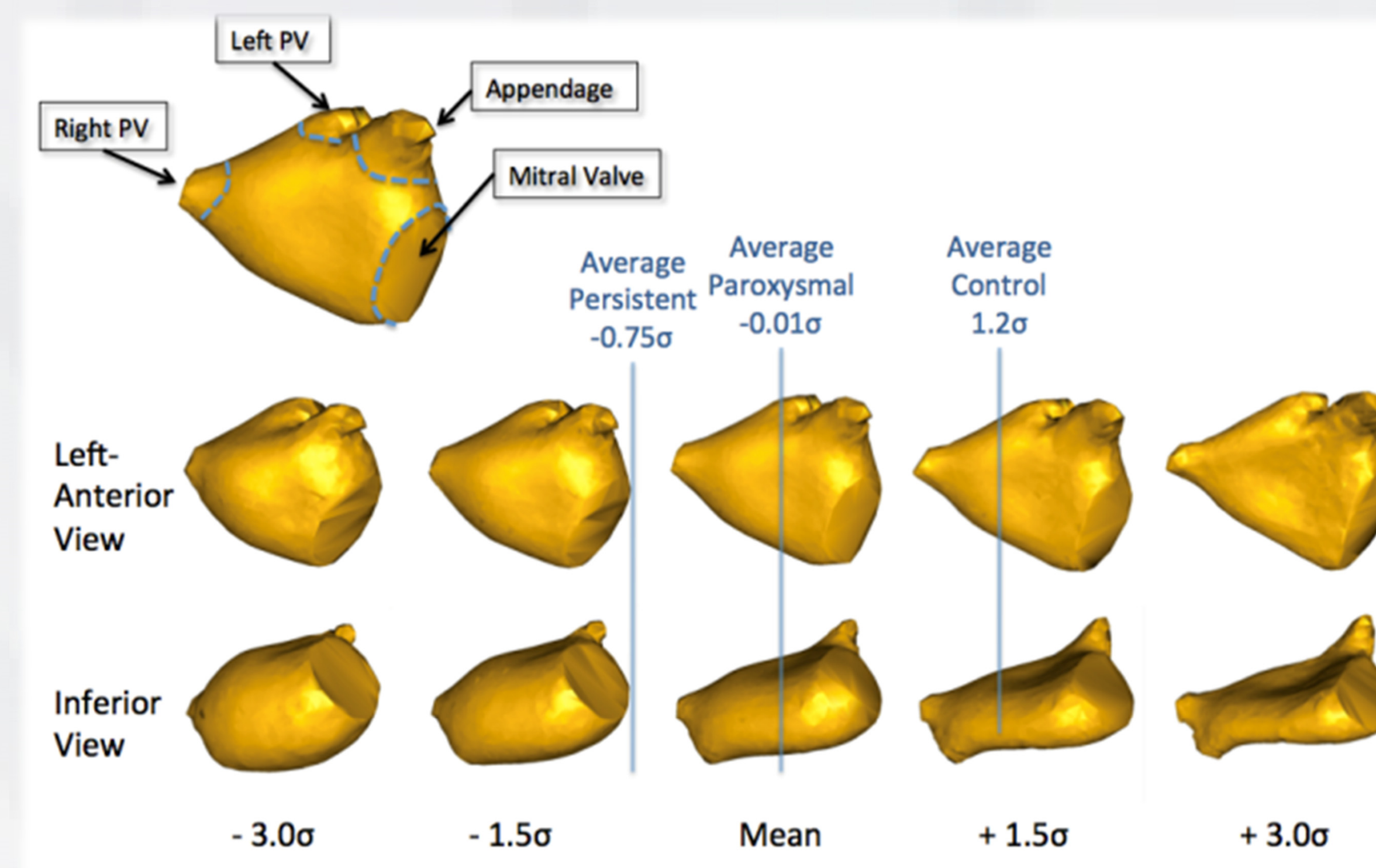

Synergy with other cores

From raw data images to insight

Leverage SCI expertise & software

Statistical shape analysis
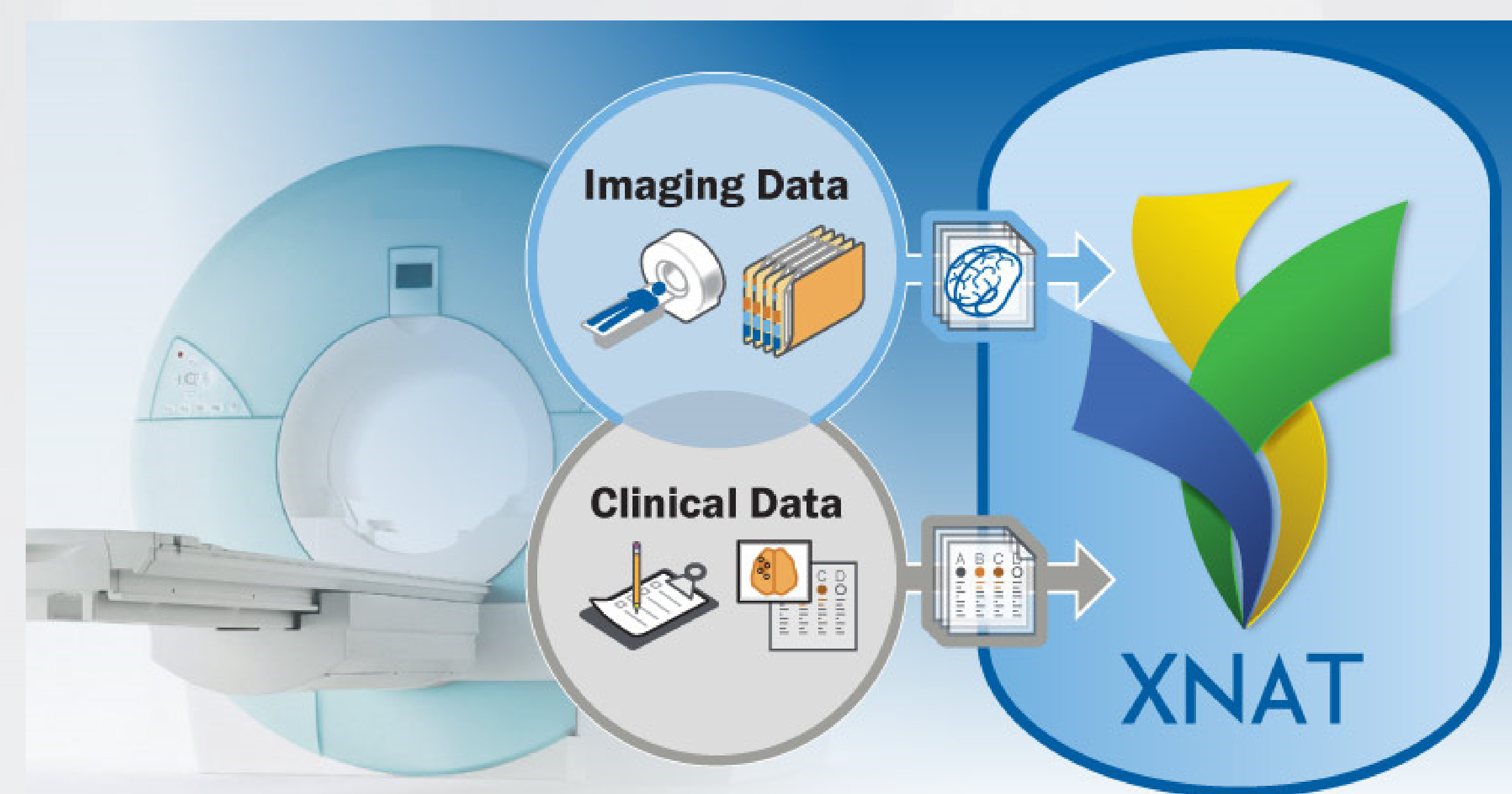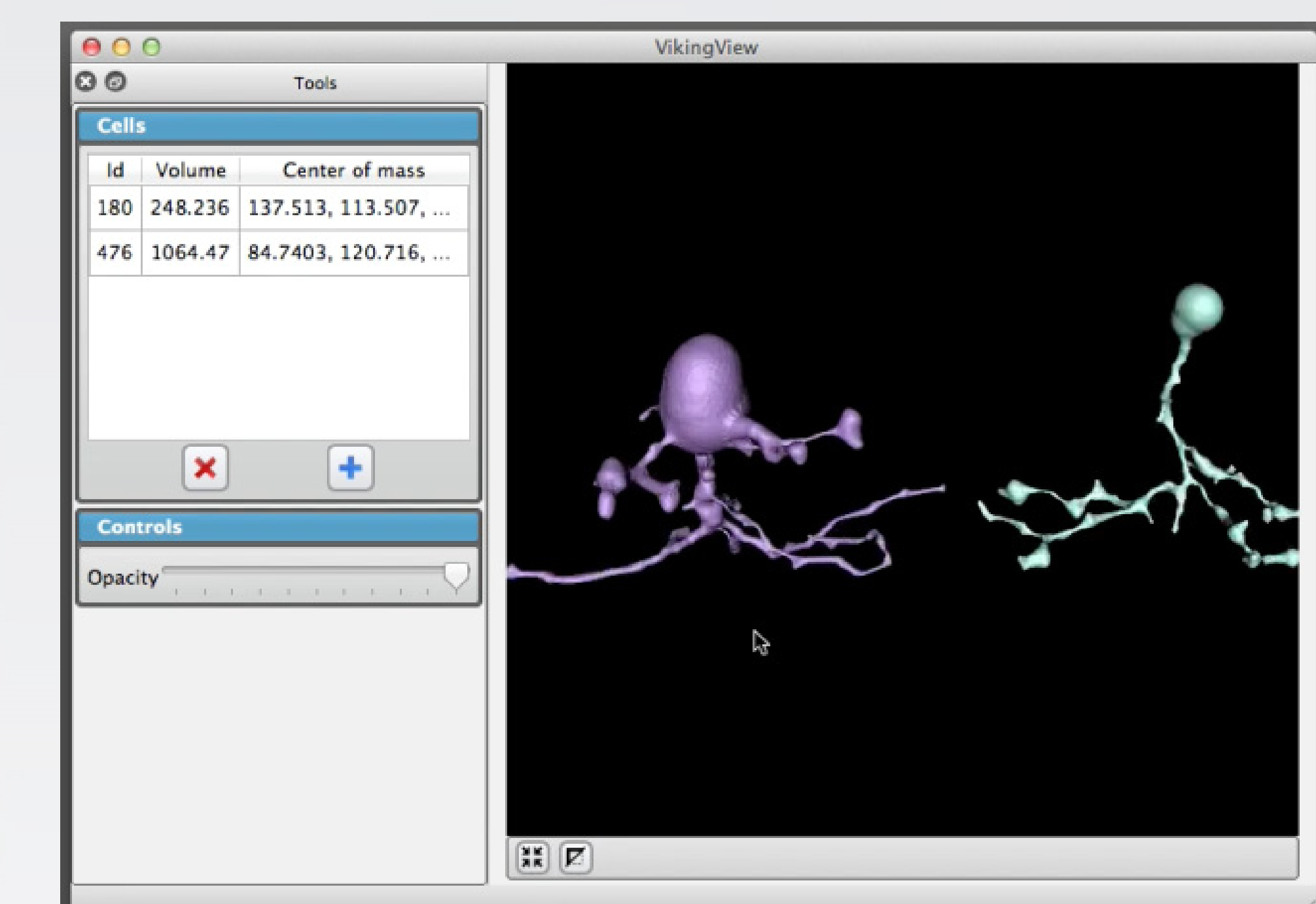(applications: cardiology, orthopaedics…)

Image archiving and processing for PHI data
in protected environment at CHPC
(applications: research studies, clinical trials…)

Software for retinal connectomics
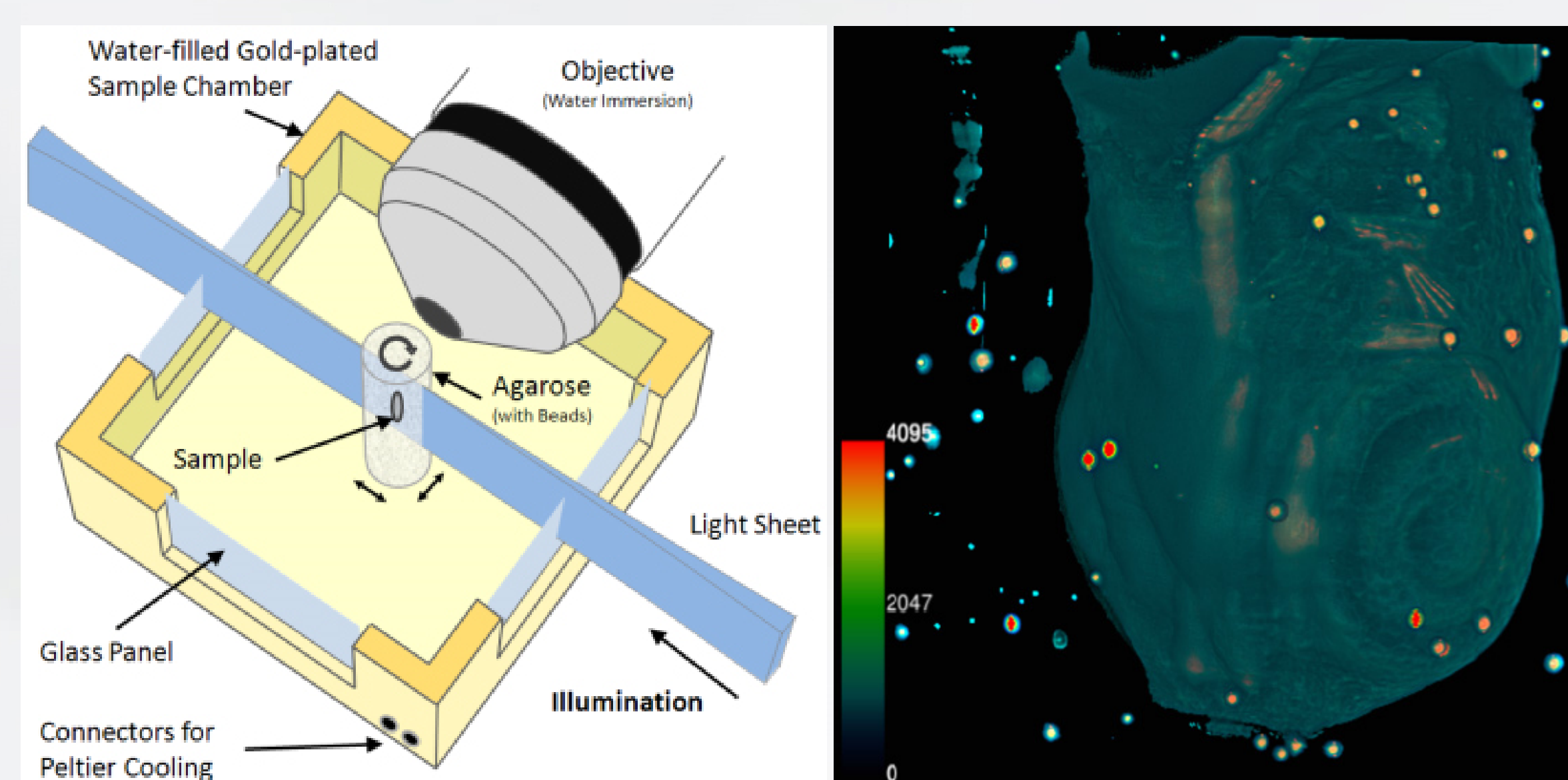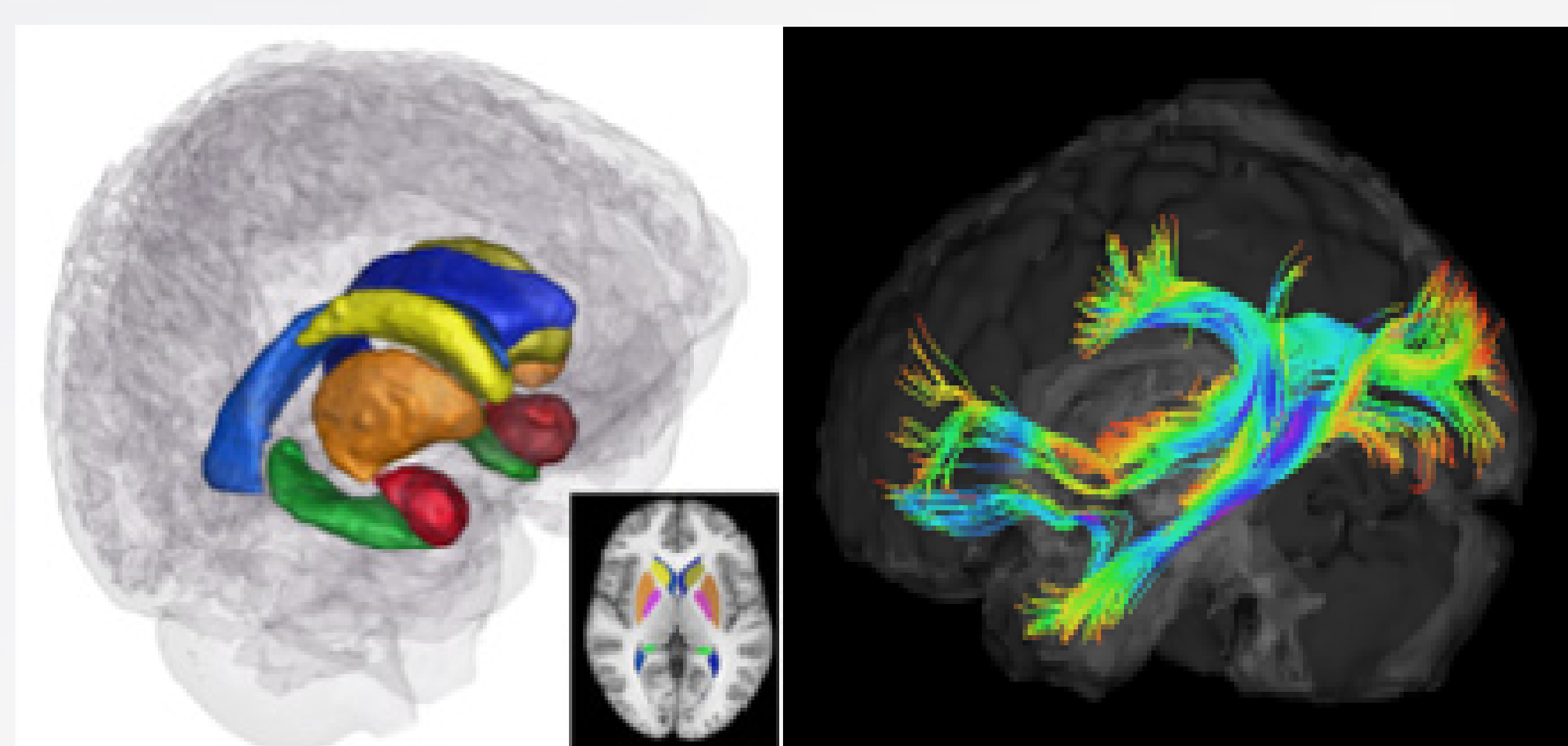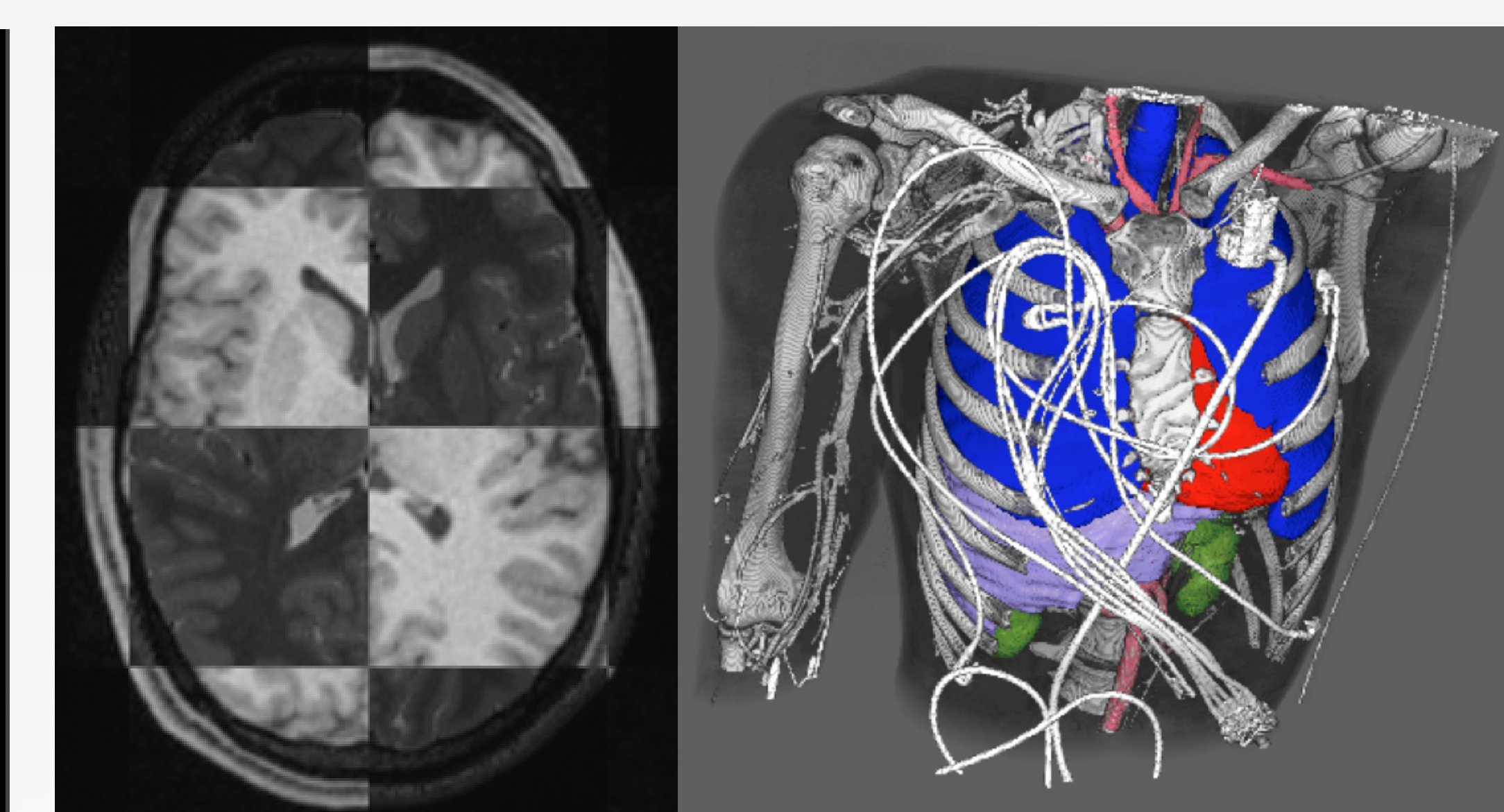(database access and 3D visualization
of retinal neural circuitry)

Image analysis and visualization
for microscopy imaging

Structural MRI and DTI analysis for neuroimaging
(applications: human, rodent imaging…)

Semi-automated or automated
image registration and segmentation

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Scientific Computing and Imaging Institute