

Magnetic Resonance Imaging Facility



Weldon School of Biomedical Engineering

Biomedical Engineering Imaging Facilities Committee:

George R. Wodicka
Charles A. Bouman
Thomas M. Talavage
Edward J. Delp
Lynetta Freeman
William E. Schoenlein
Zygmunt Pizlo

Bringing a 3T MRI to Purdue

- The status:
 - Site work began on December 11, 2006
 - Exterior construction is almost complete
 - Magnet was delivered on August 6
 - Facility to be handed over to InnerVision ca. September 24



DEDICATION!

- MRI Facility Dedication on November 2, 2007
- Scheduled for 10:30 AM
 - Key non-BME Attendees:
 - Jim Davis (General Manager, GEHC MR)
 - France Cordova
- Planning afternoon Symposium
 - Goal:
 - "Vision" presentation (Bouman/Talavage)
 - Clinical MR Research (Duerk?)
 - Functional MRI Research Methods (Noll?)
 - Functional MRI Application to Neuroscience (Small)
 - MR Technological Advancements (Liang?)

Administrative Update

- Developing MRI Facility website (Talavage/Sickafoose)
 - Repository for documents
 - Certification procedures
 - Operations protocols
 - Scheduling
 - Billing
- Developing training protocols for MRI operators (Talavage/Gonzalez Castillo)
 - GE MRI Safety Video
 - CPR Certification
- Planning for bringing facility on-line by October 1 (Talavage/Gonzalez Castillo/Blubaugh)

Resources Update

- Capital Equipment
 - MR-Compatible Anesthesia Machine
 - Owned by VTH; negotiate for use?
 - Small Animal Imaging Platform (mouse)
 - Quote requested from Doty Scientific

- fMRI Equipment
 - 16-channel head coil
 - Ordered from Nova Medical (TMT R01)
 - Audio/visual presentation system
 - NordicNeuroLab (TMT R01)
 - Bimanual Response Pads (4 buttons/hand)
 - Current Designs (Proctor/Kemmerer/Talavage)