Magnetic Resonance Imaging Facility

Weldon School of Biomedical Engineering

Biomedical Engineering Imaging Facilities Committee:

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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)