Hopkins Imaging Initiative

Principal Investigator of TPTRI: Dr. Elliot McVeigh\textsuperscript{1,2}
Training Committee: Issel Anne L. Lim\textsuperscript{1,3}
Outreach Committee: Di Xu\textsuperscript{1,2}

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Image Source: The F.M. Kirby Research Center for Functional MRI
Outline

- What is HII?
- Goals
- Structure
- Benefits
- Questions/Ideas

Image Source: Center for Imaging Science; Division of Nuclear Medicine; The National Resource for Quantitative Functional MRI; Laboratory of Biophotonics Imaging and Therapy
What is the HII?

The Johns Hopkins Imaging Initiative (JHII, HII, I²)

- **What:**
  - Collaboration and communication between all people involved in imaging research at Johns Hopkins University

- **Who:**
  - Trainees of the T32 Imaging Grant:
  - Training Program in Translational Research in Imaging
  - Graduate and undergraduate students
  - Postdoctoral fellows
  - Faculty
  - Personnel at all levels

Image Source: The F.M. Kirby Research Center for Functional MRI
Overall Goals

- Connect imaging researchers
- Organize events
- Provide advice
- Compile a database of imaging resources
- Evaluate resources and recommendations
- Create an informational forum

Image Source: Laboratory of Cardiac Energetics, I-STAR Lab
Structure of HII

- Faculty Advisor
  - TPTRI Principal Investigator: Dr. Elliot McVeigh
- Training Subcommittee
  - Committee Leader: Issel Anne L. Lim
  - How can we improve training for imaging researchers?
- Outreach Subcommittee
  - Committee Leader: Di Xu
  - How can we connect the imaging community?
- Websites
  - Imaging Initiative: http://imaging.jhu.edu
  - T32 NIH-funded Training Program in Translational Imaging (TPTRI): http://imagingtraining.jhu.edu
TPTRI: Training Program in Translational Research in Imaging

- Mentorship Structure
HII: Training Committee

- Committee Leader: Issel Anne L. Lim
- Curriculum Planning
- Imaging Tutorials
- Symposia and Seminars
- Evaluation
- Resource Compilation

Image Sources: Image Analysis and Communications Lab
The National Resource for Quantitative Functional MRI
HII: Outreach Committee

- Committee Leader: Di Xu
- Events and Networking
- Professional Interests
- Community Service
- Webmasters

- All students who are part of the Imaging Initiative can access and edit the website’s content

Image Source: Laboratory of Biophotonics Imaging and Therapy; Division of Medical imaging Physics
Benefits from HII

- **Communication**
  - Advice: experience and training
  - Inspiration: ideas for clinical and engineering research
  - Recommendations: sharing suggestions

- **Networking**
  - Collaboration: industry, academia, government
  - Databases: alumni, experts, research opportunities

- **Résumé Building**
  - Committees: sub-groups focused on training and outreach

Image Source: Laboratory of Biophotonics Imaging and Therapy
Hopkins Imaging Initiative

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Imaging Initiative

http://imaging.jhu.edu

Join the Initiative!

http://imaging.jhu.edu/join-the-initiative

T32 NIH-funded Training Program in Translational Imaging (TPTRI)

http://imagingtraining.jhu.edu

Thank you!

Questions? Ideas?
Preliminary Membership Survey Results

- http://imaging.jhu.edu/join-the-initiative

**Imaging Area**

- CT: 1 (4%)
- MRI: 17 (63%)
- PET: 1 (4%)
- SPECT: 1 (4%)
- X-Ray: 2 (7%)
- Optical Imaging: 9 (33%)
- Biophotonic Imaging: 6 (22%)
- Microscopes: 5 (19%)
- Image Analysis: 15 (56%)
- Clinical Imaging: 8 (30%)
- Radiology: 3 (11%)
- Microbiology: 0 (0%)
- Basic Science: 6 (22%)
- Engineering: 11 (41%)
- Other: 4 (15%)

People may select more than one checkbox, so percentages may add up to more than 100%.
Preliminary Membership Survey Results

General Interest
- Join the Imaging Initiative
- Join the organization
- Recommend resources
- Add information to the initiative
- Other

Outreach
- Events: Collaboration
- Events: Networking
- Events: Recruitment
- Events: Orientation
- Professional: Faculty
- Professional: Jobs
- Professional: College
- Community Service
- Web Editors: Additional information
- Webmasters: Troubleshooting
- Other

Training
- Curriculum Planning
- Imaging Tutorials
- Seminars: General
- Symposia: Faculty
- Evaluation: Teaching
- Evaluation: Competition
- Evaluation: Reviews
- Resources: Available
- Resources: Useful
- Resources: Public
- Resources: Media
- Other

http://imaging.jhu.edu/join-the-initiative
Extra Slides

Image Source: CIS, MIL, KKI, etc.