

Welcome to the Image-Guided Interventions Workshop

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NIH / NASA / NSF

Image-Guided Interventions Workshop

Sponsors

- National Institute of Biomedical Imaging and Bioengineering / National Institutes of Health (NIBIB/NIH)
- National Aeronautics and Space Administration (NASA)
- National Science Foundation (NSF)



NASA NIH NSF

IMAGE-GUIDED INTERVENTIONS
WORKSHOP

BETHESDA, MARYLAND
MAY 13-14, 2004

The logo features three logos at the top: NASA, NIH, and NSF. Below them is a vertical strip of three images: an astronaut in space, an MRI scanner, and two human figures with glowing internal structures. At the bottom, the text reads 'IMAGE-GUIDED INTERVENTIONS WORKSHOP' and 'BETHESDA, MARYLAND MAY 13-14, 2004'. At the very bottom are three small logos: NASA, NIH, and NSF.

NIH / NASA / NSF

Image-Guided Interventions Workshop

Workshop Organizers

- John Haller (NIBIB/NIH)
- Bruce Hamilton (NSF)
- John Emond (NASA)
- Theresa Smith (NIBIB)
- Larry Clarke (NCI)
- Gary Dorfman (NCI)



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What is the NIBIB?

One of the 27 Institutes and Centers of the National Institutes of Health (NIH)

Part of a funding agency (NIH) that funds research and technology development with applications to human health

The NIBIB Mission:

Improve human health by leading the development and accelerating the application of biomedical technologies.



How is NIBIB different?

Focus on technologies with broad applications to multiple diseases

Emphasis on multi-disciplinary and collaborative research

Technology-driven research vs. clinical hypothesis-driven research

Promotes inter-agency and inter-institute activities





New ideas are sought regarding advances needed in imaging science and engineering as they relate to minimally invasive treatments, biopsies, and surgical procedures that improve human health.



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IGI WORKSHOP AGENDA - DAY 1



- **BREAKOUT SESSION 1: GRANTEE PRESENTATIONS**
- **10 Minute presentations by each**
 - ✓ RED, Breakout Group (Washington Room)
 - ✓ GREEN Breakout Group (Georgia Room)
 - ✓ BLUE Breakout Group (Connecticut Room)



- **BREAKOUT SESSION 2: RED, GREEN, BLUE DISCUSSION GROUPS**
 - ✓ Same participants and locations as Session 1 above
 - ✓ Discuss three questions and provide *new ideas* and recommendations for Federal programs



- How to facilitate collaborations among clinicians, engineers and scientists like ourselves?
- What are the barriers for collaboration?
- What technological advances and requirements can we implement that will significantly advance image-guided interventions in the next 5-10 years?

- **5:30 PM Adjourn**





IGI WORKSHOP AGENDA - DAY 2



Note Change of Agenda

- **8:00 a. m. -Finalize slides** summarizing Session 2 Discussion
 - ✓ Same **RED, GREEN, BLUE** participants and locations
- **9:00 a.m. Dr. Roderic Pettigrew, Director NIBIB**
- **9:20 a.m. Presentations** to Entire Group by Breakout Session Facilitators
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- 10:15-10:30a.m. Break
- 10:30-10:50 a.m. **NIH/NASA/NSF Presentations** and Question/Answer Session
- 10:50-11:10 a.m. Panel Questions
- 11:30 **Adjournment**
- 11:30- 12:30 **Individual meetings with NIH, NSF, NASA**
 - ✓ Individuals and/or small groups meet individually with agency representatives