## Welcome to the Image-Guided Interventions Workshop

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National Institute of Biomedical Imaging and Bioengineering



### NIH, DHHS

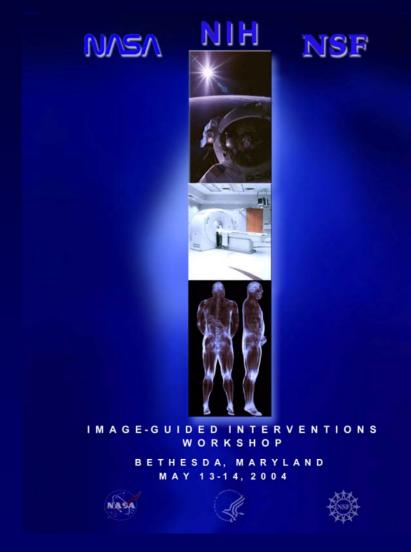


National Institute of Biomedical Imaging & Bioengineering, NIH, DHHS

## NIH / NASA / NSF Image-Guided Interventions Workshop

### <u>Sponsors</u>

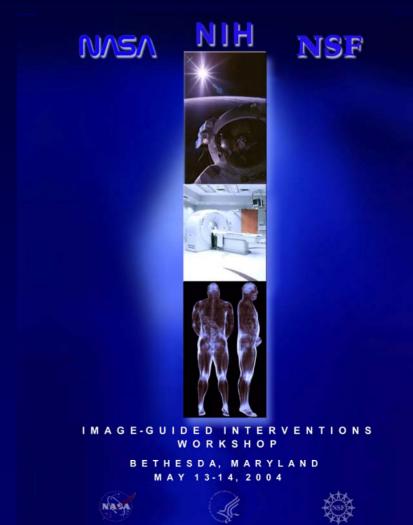
- National Institute of Biomedical Imaging and Bioengineering / National Institutes of Health (NIBIB/NIH)
- National Aeronautics and Space Administration (NASA)
- National Science Foundation (NSF)



## 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)



### **Federal Agency Representatives**

National Science Foundation

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Richard Boyle NASA Ames Research Center

Denise Caldwell National Science Foundation

Larry Clarke National Cancer Institute, NIH

Gil Devey National Science Foundation

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#### Stacy Wallick

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#### Yantain Zhang

National Institute of Biomedical Imaging and Bioengineering

## What is the NIBIB?

One of the 27 Insitutes 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:

NIBIB

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.

We have seen the future, and it is now.









#### IMAGE-GUIDED INTERVENTIONS WORKSHOP

BETHESDA, MARYLAND MAY 13-14, 2004









## 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 amon 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?





## 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
- 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