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# National Cancer Institute

U.S. National Institutes of Health | www.cancer.gov

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Eliminating the suffering and death due to cancer.

## NCI Highlights

[Bevacizumab Prolongs Lung Cancer Survival](#)

[New NCI-FDA Joint Fellowship Training Program](#)

[NCI Web Site Named Best in Customer Satisfaction](#)

[The Nation's Investment in Cancer Research FY 2006](#)

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## Types of Cancer

### Common Cancer Types

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### All Cancer Types

[A to Z List of Cancers](#)

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Feature

### NCI Cancer Bulletin

Get the latest news from NCI

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**Web Site Winner!**  
2004 Freddie Award  
Best International Health



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- Communication Tools
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**caBIG Participants**

- Workspaces and Working Groups
- Events, Web casts, and Town Halls
- Online Forums
- Training
- Concurrent Versions System (CVS)
- caBIG Management Portal (caMP)

**Progress and Products**

- Program Milestones
- Inventory of Tools
- Compatibility Guidelines
- caBIG Papers


**caBIG Communities**

- Center Directors
- Vendors
- Public
- Media

# Welcome to the caBIG Web site

[For Annual Meeting Details Click here!](#)





**About caBIG -** The cancer Biomedical Informatics Grid, or *caBIG*, is a voluntary network or grid connecting individuals and institutions to enable the sharing of data and tools, creating a World Wide Web of cancer research. The goal is to speed the delivery of innovative



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**News**

-  What's BIG This Week - 04/05/05  
2005-04-05
-  Annual Meeting Registration Now Closed  
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-  Center Information Kit Now Available  
2005-03-28
-  Alternate Lodging Available for Annual Meeting  
2005-03-25



# DCTD

## DIVISION OF CANCER TREATMENT & DIAGNOSIS

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### DCTD Programs

- Cancer Diagnosis Program
- Cancer Imaging Program
- Cancer Therapy Evaluation Program
- Developmental Therapeutics Program
- Radiation Research Program
- Biometric Research Branch



## DCTD CALENDAR OF EVENTS

- [Spring 2005 NCI CTEP Early Drug Development Meeting](#)  
March 14 & 15, 2005  
Natcher Conference Center  
Bethesda, MD
- [Sixth National Forum on Biomedical Imaging in Oncology](#)  
April 7-8, 2005  
Bethesda, Maryland  
For registration information, visit <http://www.palladianpartners.com/2005Forum/>.
- [Interagency Council on Biomedical Imaging in Oncology \(ICBIO\) Meeting](#)  
July 12, 2005  
Rockville, Maryland
- [NCI Calendar of Scientific Meetings](#)



American College Of Radiology Imaging Network



DATA CENTER LOGIN

ACCRUAL TRACKING

SITE SEARCH

SEARCH

## Welcome to ACRIN

I am delighted that you are interested in the activities of the American College of Radiology Imaging Network, a National Cancer Institute-funded cooperative group. ACRIN's overarching goal is - through clinical trials of diagnostic imaging and image-guided therapeutic technologies to generate information that will lengthen and improve the quality of the lives of cancer patients. By perusing this Web site, you can learn:

- how ACRIN is organized and operates;
- ACRIN's objectives;
- how you can participate in ACRIN;
- and what trials are in development or activated.

Unlike other cooperative groups, ACRIN has no continuing membership. Everyone is welcome to participate in ACRIN trials, so long as they meet the qualifying criteria for participation. We also encourage

### Current Announcements

[ACRIN Launches CTC Trial](#): Concurrent with the National Colorectal Cancer Awareness Month in March, ACRIN is launching a trial to test the efficacy of CT colonography (CTC) as a screening tool for colorectal cancer detection at 15 centers. The National CT Colonography Trial (ACRIN 6664) is led by principal investigator C. Daniel Johnson, M.D., from Mayo Clinic.

### Shortcuts to this Site

[Philips Online Learning Center](#)

[Contact information](#)

Email address to request IRB trial information:  
[irb\\_info@phila.acr.org](mailto:irb_info@phila.acr.org)

### Suggestions?

We sincerely welcome your comments,



Department of Health & Human Services  
NATIONAL INSTITUTES OF HEALTH  
**National Institute of Biomedical  
Imaging and Bioengineering**

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**NIBIB SCIENTIFIC PROGRAM AREAS  
& STAFF CONTACTS**

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About Us

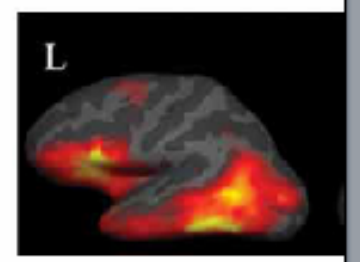
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# BIRN: Cyberinfrastructure for Biomedical and Health Research

The Biomedical Informatics Research Network (BIRN) promotes advances in biomedical and health care research through the development and support of a cyberinfrastructure that facilitates data sharing and multi-institutional collaboration.

Sponsored by the National Institutes of Health's (NIH) National Center for Research Resources (NCRR), the BIRN's charter is to create an environment encouraging biomedical scientists and clinical researchers to make new discoveries by facilitating sharing, analysis, visualization, and data comparisons across laboratories.



## Participants utilize imaging techniques to study disorders

BIRN Go



# National Alliance for Medical Image Computing

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The National Alliance for Medical Imaging Computing (NAMIC) is a multi-institutional, interdisciplinary team of computer scientists, software engineers, and medical investigators who develop computational tools for the analysis and visualization of medical image data. The purpose of the center is to provide the infrastructure and environment for the development of computational algorithms and open source technologies, and then oversee the training and dissemination of these tools to the medical research community. This world-class software and development environment serves as a foundation for accelerating the development and deployment of computational tools that are readily accessible to the medical research community. The team combines cutting-edge computer vision research (to create medical imaging analysis algorithms) with state of the art software engineering techniques (based on "extreme" programming techniques in a distributed, open-source environment) to enable computational examination of both basic neuroscience and neurological disorders. In developing this infrastructure resource, the team will significantly expand upon proven open systems technology and platforms.

The driving biological projects will come initially from the study of schizophrenia, but the methods will be applicable to many other diseases. The computational tools and open systems technologies and platforms developed by NAMIC will initially be used to





# NLM Insight

## Segmentation & Registration Toolkit

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**Welcome** to the National Library of Medicine Insight Segmentation and Registration Toolkit (ITK). ITK is an open-source software system to support the [Visible Human Project](#). Currently under active development, ITK employs leading-edge segmentation and registration algorithms in two, three, and more dimensions.

The Insight Toolkit was developed by six principal organizations, three commercial ([Kitware](#), [GE Corporate R&D](#), and [Insightful](#)) and three academic ([UNC Chapel Hill](#), [University of Utah](#), and [University of Pennsylvania](#)). Additional team members include Harvard Brigham & Women's Hospital, University of Pittsburgh, and Columbia University. The funding for the project is from the National Library of Medicine at the National Institutes of Health. NLM in turn was supported by member institutions of NIH (see [sponsors](#)).

The goals for the project include the following:

- ◆ Support the Visible Human Project.
- ◆ Establish a foundation for future research.
- ◆ Create a repository of fundamental algorithms.
- ◆ Develop a platform for advanced product development.
- ◆ Support commercial application of the technology.
- ◆ Create conventions for future work.
- ◆ Grow a self-sustaining community of software users and developers.

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- ◆ Resources
  - Integration Profiles
  - User Success Stories
  - Integration Statements



## Integrating the Healthcare Enterprise

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### What is IHE?

IHE is an initiative by healthcare professionals and industry to improve the way computer systems in healthcare share information. IHE promotes the coordinated use of established standards such as DICOM and HL7 to address specific clinical needs in support of optimal patient care. Systems developed in accordance with IHE communicate with one another better, are easier to implement, and enable care providers to use information more effectively. [More . . .](#)

### What's New in IHE?

- ◆ [IHE Cardiology Demonstration at ACC 2005 >>](#)
- ◆ [Interoperability Showcases: 2005 Annual HIMSS Conference & Exhibition >>](#)
- ◆ [IHE North America Connectathon 2005 Results >>](#)
- ◆ [Current versions of the IHE Technical Frameworks and 2004-2005 Supplements >>](#)

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**Statement of the  
American Society for Therapeutic Radiology and Oncology (ASTRO)  
to the  
Subcommittee on Health  
House Ways and Means Committee  
“Managing the Use of Medical Imaging Services”**

**March 17, 2005**

On behalf of the American Society of Therapeutic Radiology and Oncology, we appreciate this opportunity to submit written testimony to the House Ways and Means Subcommittee on Health on managing the use of medical imaging services.

ASTRO is the largest radiation oncology society in the world, with more than 8,000 members who specialize in treating patients with radiation therapies. As a leading organization in radiation oncology, higher and better, the Society is dedicated to the advancement of the practice of radiation oncology.

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- ◆ NEMA technical staff
- ◆ Price
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### The purpose of NEMA standards

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# American Medical Informatics Association

Advancing Health Care Through Information Technology

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## Working Groups

AMIA Working Groups serve as a mechanism for members to exchange information on a particular topical area of medical informatics with their colleagues and to become involved in the development of positions, issues, white papers, programs, and other activities to benefit the informatics community. Each Working group has an online discussion list in which members discuss key issues and developments in the field.

- |  |  |
|--|--|
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| <a href="#">Clinical Trials</a>                              | <a href="#">Medical Imaging Systems</a>            |
| <a href="#">Consumer Health Informatics</a>                  | <a href="#">Natural Language Processing</a>        |
| <a href="#">Dental Informatics</a>                           | <a href="#">Nursing Informatics</a>                |
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| <a href="#">Evaluation</a>                                   | <a href="#">Pharmacoinformatics</a>                |
| <a href="#">Formal (Bio)Medical Knowledge Representation</a> | <a href="#">Prevention and Public Health</a>       |
| <a href="#">Genomics</a>                                     | <a href="#">Primary Care Informatics</a>           |
| <a href="#">Knowledge Discovery &amp; Data Mining</a>        | <a href="#">Student</a>                            |

## Working Group Discussion Lists

AMIA provides open-forum discussion formats for members of both the Working Groups in the form