

ITCR Group, an NCIP Hub Community

A 'collaboratory' for your research

ITCR PI Meeting
June 13 2014

Realizing open innovation to accelerate research

Democratize access

ODI



Foster Communities

Cancer Cloud



Open Development

NCIP Hub



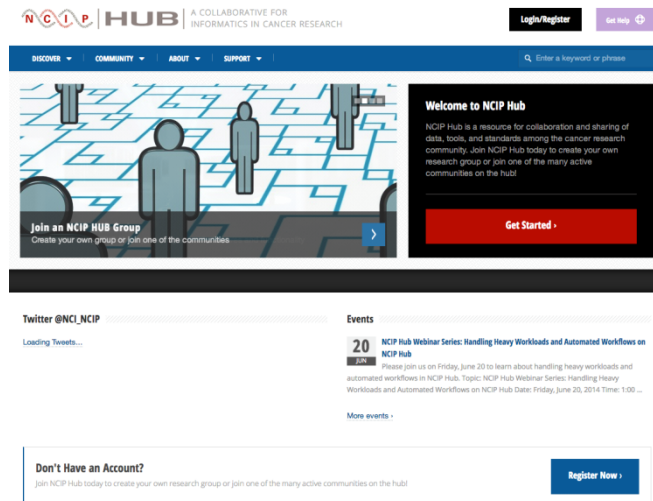
What is NCIP Hub

Environment for science collaboration powered by you!

Access digital assets contributed by other members

Share your work in one of many ways

Collaborate via groups, discussion boards, other capabilities



Lesser General Public License, LGPL-3.0
Linux/Apache/MySQL/PHP

Download: <http://hubzero.org/download>


www.nciphub.org

ITCR program objectives for use of NCIP Hub

1. Serve as a **platform for communication & resource sharing** within ITCR
2. Establish a **central access point** for ITCR program generated data, tools, standards & other resources
3. Provide **individual project management** support
4. Promote **inter-project collaboration**

Define your objectives to serve your needs

NCIP Hub: ITCR Program Commons



Group Manager ▾

Overview

- About ITCR
- Program Contacts

Members 51

Wiki 1

Resources 7

Discussion

Blog

Wish List

Usage

Projects

Calendar 1

Announcements 4

Collections 3

Discoverability:
Visible

Informatics Technology for Cancer Research (ITCR) initiative ▶ Overview

bioinformatics < Cancer Informatics < Information Technology < ITCR < NCI

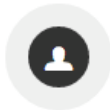
ABOUT THE GROUP



ITCR (<http://itcr.nci.nih.gov/>) is a NCI program that supports innovative investigator-initiated informatics technology development to improve the acquisition, management, analysis, and dissemination of data and knowledge in the investigation and management of cancer. The aim of this group is to collaborate in technology development with hypothesis-driven cancer research through data sharing and technology dissemination as well as to promote communication and interaction among the development teams.

GROUP MEMBERS

[View All Members →](#)



Michael J. Becich
University of Pittsburgh Medical School



Yantian Zhang
National Cancer Institute



Rebecca Crowley
University of Pittsburgh



Jonathan Franca-Koh
NCI



Jacek Capala



Rao L Divi
NCI




Michael C Ryan
In Silico Solutions



Roni J Bollag

Membership



Informatics Technology for Cancer Research (ITCR) initiative

Members








[+ Invite Members](#)

Members (51) Managers (3) Pending (0) Invitees (29)

Members (51)

Member Roles

Currently there are no member roles.

	Jayashree Kalpathy-Cramer Member Roles: Assign Role	x ↑ ✉
	Michael C Ryan In Silico Solutions Member Roles: Assign Role	x ↑ ✉
	Rebecca Crowley University of Pittsburgh Member Roles: Assign Role	x ↑ ✉
	Girish Chavan University of Pittsburgh Member Roles: Assign Role	x ↑ ✉
	Jingchun Zhu University of California Santa Cruz Member Roles: Assign Role	x ↑ ✉
	Jerry Li NCI Member Roles: Assign Role	Managers x ↓ ✉
	Brian Haas Broad Institute	x ↑ ✉

Resources

Quantitative Image Informatics for Cancer Research (QIICR) [Edit](#)

[View Link](#) (HTML)

[Additional materials available](#) (2)

★ [0 review\(s\)](#) ([Review this](#))
♥ [Add to your favorites!](#)

By [Andrey Fedorov](#)¹, [Ron Kikinis](#)¹

1. *Brigham and Women's Hospital/Harvard Medical School*

[About](#) [Reviews](#) [Supporting Docs](#)

Category

[Seminars](#)

Published on

04 Apr 2014

Abstract

Cite this work

Researchers should cite this work as follows:

Andrey Fedorov; Ron Kikinis (2014), "Quantitative Image Informatics for Cancer Research (QIICR)," <https://nciphub.org/resources/168>.

[BibTex](#) [EndNote](#)

Tags

- DICOM
- ITCR
- medical image computing
- medical image informatics
- QIN


Informatics Technology for Cancer Research (ITCR) initiative



See also

No results found.


Program Announcements



Group Manager ▾


- Overview
 - About ITCR
 - Program Contacts
- Members 51
- Wiki 1
- Resources 7
- Discussion
- Blog
- Wish List
- Usage
- Projects
- Calendar 1
- Announcements 4**

Informatics Technology for Cancer Research (ITCR) initiative


Announcements  [New Announcement](#)

Search Announcements...

Not Currently Active


 Share tips and tricks with fellow NCIP Hub users – Attend the upcoming NCIP Hub Webinar – Learning to Deploy Tools in NCIP Hub on May 22, 2014. Find logistics [here](#).

Ishwar Chandramouliswaran 4:34 pm 28 May 2014 [Edit](#) [Delete](#)

 If you have not already joined the NCIP Hub User group, this is an invitation to do so. It is a group created to help learn more about using the NCIP Hub and sharing tips and solutions with fellow NCIP Hub users. You can also get informed about webinars and workshops organized around using the NCIP Hub to better serve your collaboration needs. If you have immediate questions, do not hesitate to reach out to get help from the group members via the group discussions or directly from the NCIP Hub administrators by submitting a support ticket.

Join the group here: nciphub.org/groups/ncipworkinggroup/join

Ishwar Chandramouliswaran 2:25 pm 14 May 2014 [Edit](#) [Delete](#)

 The first Annual ITCR PI meeting will take place on June 12-13 in Rockville, MD. Please register by COB May 16, 2014. Logistical information including links to registration and hotel booking web site are available [here](#) .

Ishwar Chandramouliswaran 4:43 pm 13 May 2014 [Edit](#) [Delete](#)

Calendar & Event Registration

Informatics Technology for Cancer Research (ITCR) initiative ▶ Calendar

← Back to Events Calendar

ITCR PI Meeting at NCI

[Edit](#) [Delete](#)

Details

Register

Registrants (56)



Thursday, June 12, 2014 @ 8:30 am EDT — Friday, June 13, 2014 @ 5:00 pm EDT



NCI



Mervi Hesikanen (mervi.heiskanen@nih.gov)



Informatics Technology for Cancer Research (ITCR) Initiative Annual PI Meeting

NCI-Shady Grove, Rm 2W910/2W912
9609 Medical Center Dr., Rockville, MD
June 12-13, 2014
(Draft 4/10)


June 12 (Day One)

9:30-9:40 Opening Remarks
9:40-10:05 Keynote Presentation I, Warren Kibbe, Director, CBIIT, NCI

Session I ITCR Project Progress Report: Session Chair: Rao Divi
10:05-10:30 UCSC project: David Haussler
10:30-10:55 Johns Hopkins project: Rachel Karchin
10:55-11:10 Break

Individual Project Coordination

Home / Groups / TCRN Steering Committee




Request Group Membership

Overview

Members

Wiki



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Overview

Members

Wiki

Resources

Discussion

Blog

Wish List

Usage

Projects

Calendar

TCRN Steering Committee ▶ Overview

ABOUT THE GROUP

i This group includes investigators at four institutions working together on the NCI U24 Grant "Advanced Development of TIES", which is part of the Informatics Technology for Cancer Research (ITCR).

The TCRN Steering Committee is the main governance unit to support this cross institutional data and tissue sharing network. The Steering Committee will (1) develop policies and processes for the functioning of the network, (2) recruit and select pilot projects, and (3) provide use cases and priorities for the development of the TIES network software. Meetings are held bi-weekly.

Quantitative Image Informatics for Cancer Research ▶ Overview

ABOUT THE GROUP

i Our broad objective is to develop and disseminate interoperable image informatics platform for quantitative imaging biomarker discovery. This platform will enable archival, organization, retrieval, dissemination of the data produced by the novel analysis tools and performance evaluation of quantitative imaging based biomarkers of cancer and treatment response.

QIICR functionality will be defined by the needs of the active research projects within the [NCI Quantitative Imaging Network \(QIN\)](#) in 3 driving biological projects (DBPs) studying quantitative imaging biomarker development for treatment response assessment in the following diseases:

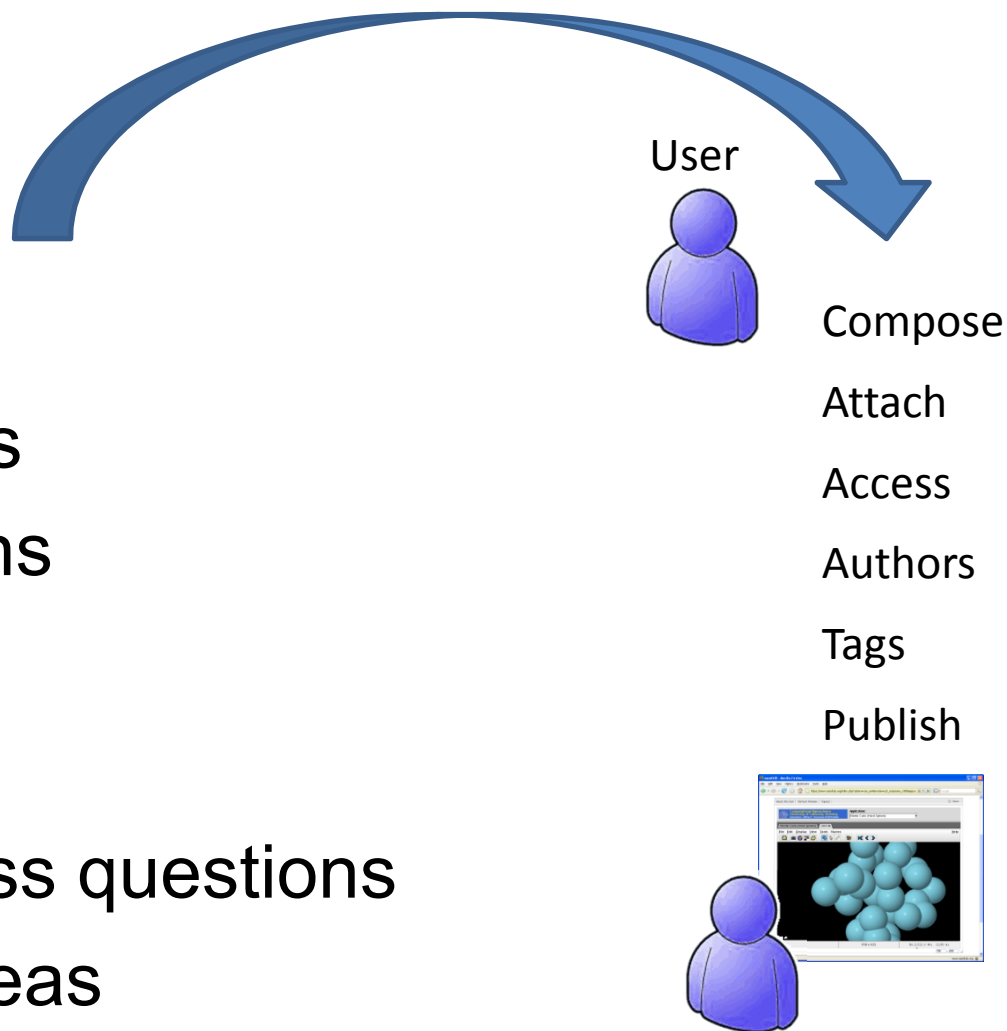
- prostate adenocarcinoma, [BWH QIN project](#)
- head and neck cancer, [Iowa QIN project](#)
- glioblastoma multiforme, [MGH QIN project](#)

The infrastructure will be based on [3D Slicer](#), an NIH funded free open source platform for image analysis and visualization, and will explore the use of the [DICOM standard](#) for organization and communication of the quantitative image analysis research results. The specific goals of Quantitative Image Informatics for Cancer Research (QIICR) project are to

1. Develop software tools encapsulating analysis and data organization workflows for image-based treatment response assessment in cancer research projects.
2. Implement support for interoperable open formats accepted in the community to enable dissemination and sharing of the analysis results.
3. Develop interfaces to community cancer imaging repositories to enable archival and discovery of the analysis results.

Outreach and dissemination of ITCR Work

1. Seminars
2. Tutorials
3. Events
4. Workshops
5. Publications
6. Blogs
7. Ask/Discuss questions
8. Vote on ideas



What you can do on www.nciphub.org

1. Create your profile
2. Contribute resources and make an impact
3. Invite your lab members to join & contribute
4. Join user group and learn available features

What is HUBzero – Open Source ToolBox

- Marketplace
 - Repository for resources with *DOIs*
 - Publications, seminars, reports, tools, data
- AppStore
 - Tools uploaded as Apps by the community
 - Accessible from any machine
 - Cloud powered for intensive computation
 - Support workflows/pipelines
 - *Toolkits* to build interfaces
- Collaboratory
 - Groups, Calendars, wikis, blogs, collections
 - Linux Workspace - *shared*
 - Collaborative tool development (*ToolsForge*) and user support
 - Data management (*data store*)
- Learning Management System (MOOCs)

Where to get support

Online support: <https://nciphub.org/support/tickets>

NCIP Hub Knowledgebase: <https://nciphub.org/kb>

NCIP Hub Community: <https://nciphub.org/answers>

NCIP Hub webinars/workshops <https://nciphub.org/events/>

NCIP Hub Webinar Series: Handling Heavy Workloads and Automated Workflows on NCIP Hub

More Support



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Lisa Mahoney, NCIP Hub Administrator

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<https://nciphub.org/support/tickets>



<http://hubzero.org/>

Share your success story

https://nciphub.org/feedback/success_story



National Cancer Informatics Program

