



# What Can NCIP Hub Do For You?

*A Look at the Ways NCIP Hub Moves  
Cancer Research Forward*

# What is the NCIP Hub?

NCIP Hub **Enhances** Scientific Collaboration

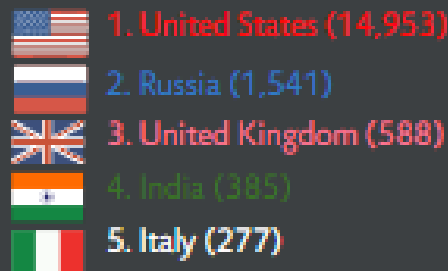
NCIP Hub **Enables** Sharing of Resources, Tools, and Standards

NCIP Hub **Enriches** the Cancer Research Community

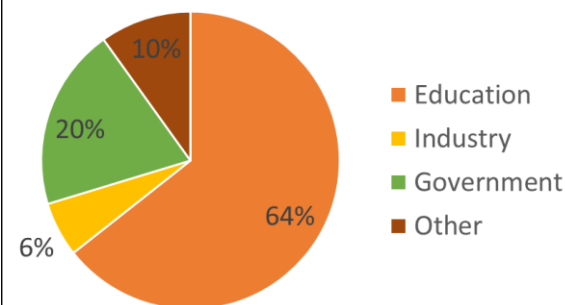
<https://nciphub.org/>

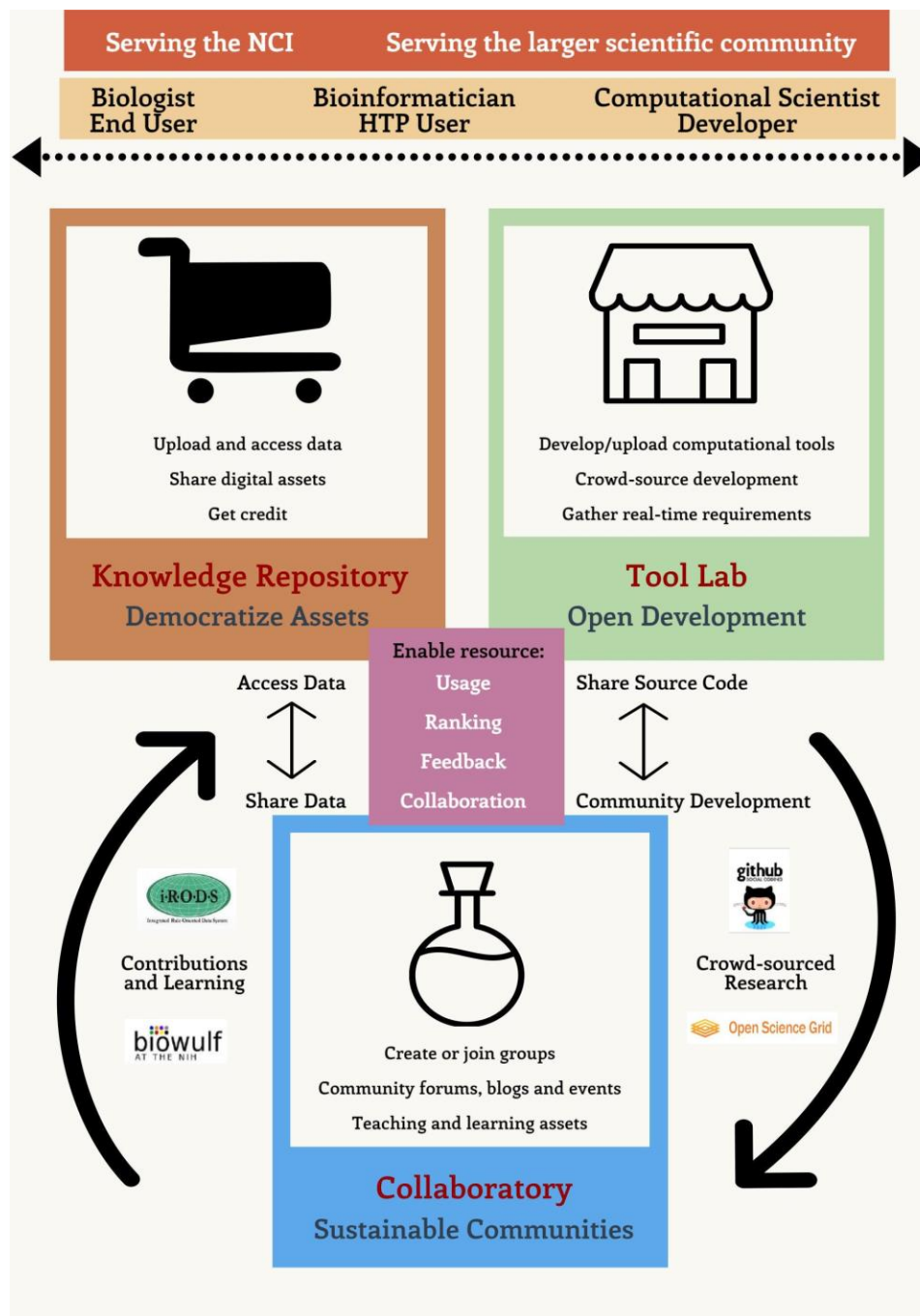
The screenshot shows the NCIP Hub website. At the top, the logo reads "NCIP HUB | A COLLABORATIVE FOR INFORMATICS IN CANCER RESEARCH". Navigation links include DISCOVER, COMMUNITY, ABOUT, and SUPPORT. A search bar is present. The main banner features a graphic of people in a network and text: "Join an NCIP HUB Group" and "Create your own group or join one of the communities". A "Welcome to NCIP Hub" message states: "NCIP Hub is a resource for collaboration and sharing of data, tools, and standards among the cancer research community. Join NCIP Hub today to create your own research group or join one of the many active communities on the hub!" with a "Get Started" button. Below the banner are sections for "Featured Group" (listing NCIP Hub User Group, Nanotechnology Working Group, etc.), "New in Resources" (listing workshops and presentations), "Featured Content" (listing newsletters and webinars), and "Twitter @NCI\_NCIP" (showing recent tweets).

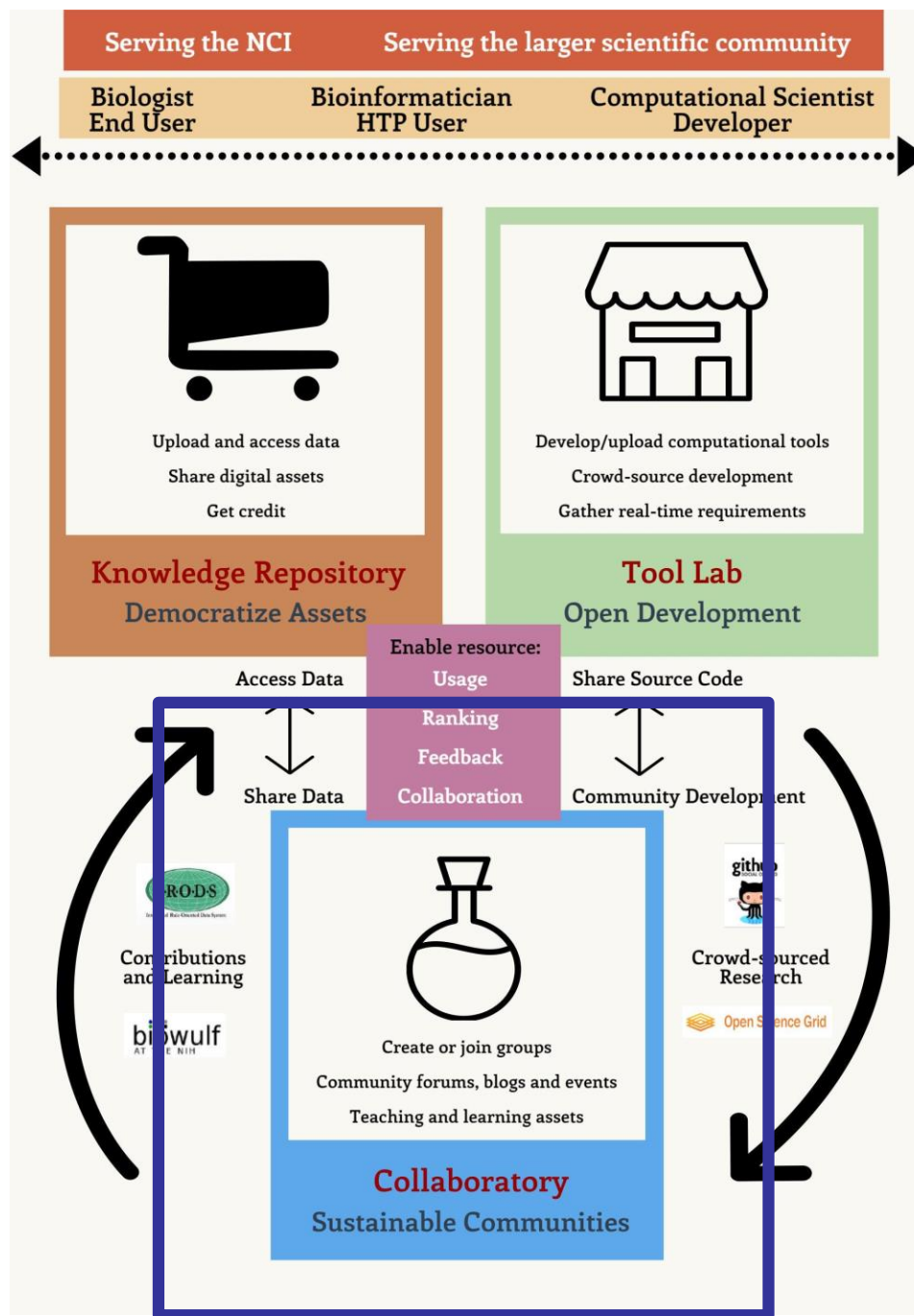
## Top 5 Sessions by Country



## Visits by Organization










# 1. Create Vibrant Community Spaces

# CRCHD Supplements Cafe

“Space for virtual customers to share training opportunities, relevant meetings and practical career tips”



Group is Invite Only

Overview

- Training Opportunities
- NIH Intramural Training
- Professional Development Workshop 2014
- All About Mentoring
- Career Skills Development
- Regional Connections
- Contact Us
- Grantsmanship Resources
- Professional Development Workshop

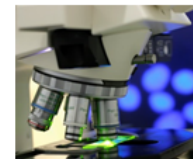
CRCHD Supplements Cafe ▶ Overview

CRCHD Funding Opportunities Training

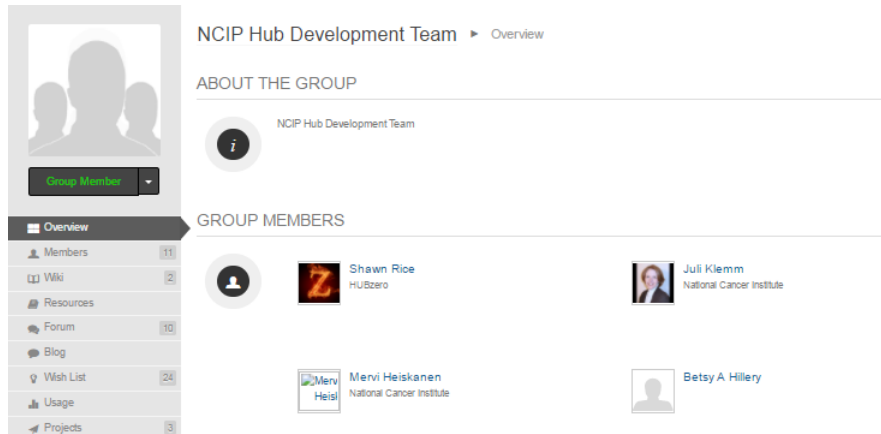


Welcome to the CRCHD Supplements Café!

Come and hang out with CRCHD supplement trainees, mentors, NCI staff and other interested parties. The café was created to provide a space for all virtual customers to share information such as training opportunities, relevant meetings, and practical career tips. This is a place where you can meet and network, chat about what research and career issues concern you the most, and get help and suggestions on what to do next.



# Custom Group Home Page



NCIP Hub Development Team ▸ Overview

ABOUT THE GROUP

NCIP Hub Development Team

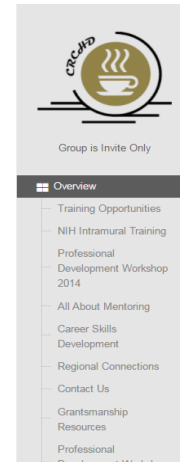
GROUP MEMBERS

Shawn Rice  
HUSzero

Juli Klemm  
National Cancer Institute

Mervi Heiskanen  
National Cancer Institute

Betsy A Hillery



CRCHD Supplements Cafe ▸ Overview

CRCHD Funding Opportunities Training

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Overview

Training Opportunities

NIH Intramural Training

Professional Development Workshop 2014

All About Mentoring

Career Skills Development

Regional Connections

Contact Us

Grantsmanship Resources

Professional Development Workshop



CRCHD Supplements Cafe ▸ Overview

CRCHD Funding Opportunities Training

Group is Invite Only

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Training Opportunities

NIH Intramural Training

Professional Development Workshop 2014

All About Mentoring

Career Skills Development

Regional Connections

Contact Us

Grantsmanship Resources

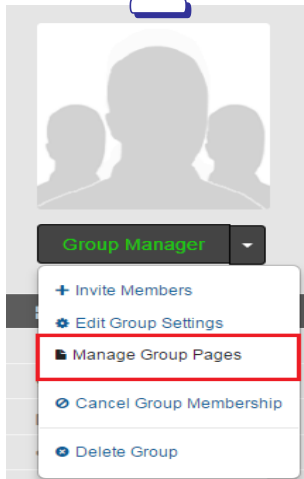
Professional Development Workshop

As Easy As..

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Group Manager ▾

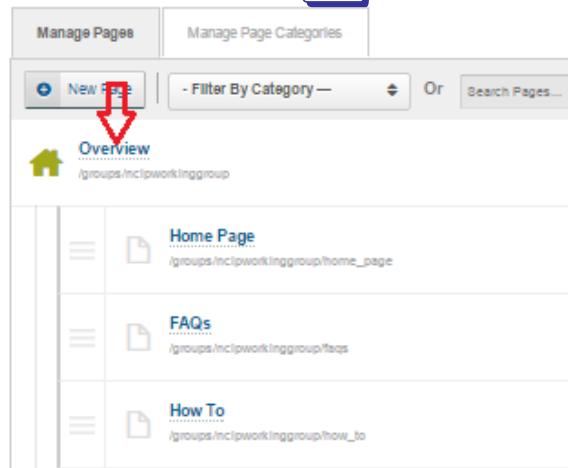
+ Invite Members

⚙ Edit Group Settings

📄 Manage Group Pages

🚫 Cancel Group Membership

🗑 Delete Group



Manage Pages Manage Page Categories

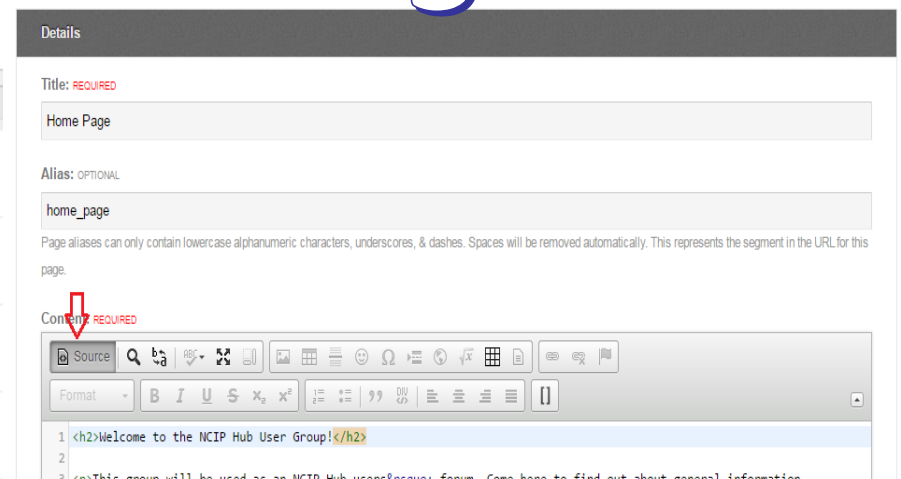
+ New Page - Filter By Category — Or Search Pages...

Overview  
/groups/incipworkinggroup

Home Page  
/groups/incipworkinggroup/home\_page

FAQs  
/groups/incipworkinggroup/faqs

How To  
/groups/incipworkinggroup/how\_to



Details

Title: **REQUIRED**

Home Page

Alias: **OPTIONAL**

home\_page

Page aliases can only contain lowercase alphanumeric characters, underscores, & dashes. Spaces will be removed automatically. This represents the segment in the URL for this page.

Content: **REQUIRED**

Source

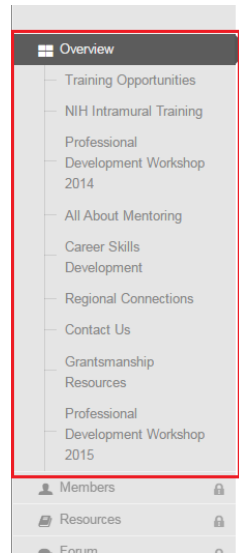
Format

1 <h2>Welcome to the NCIP Hub User Group!</h2>

2

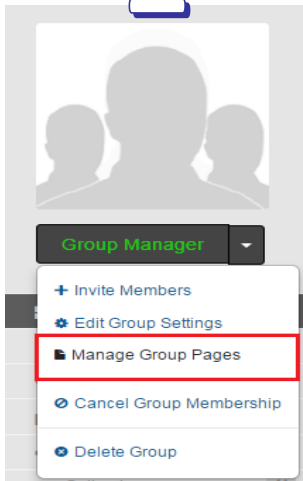
3 <p>This group will be used as an NCIP Hub users&rsquo; forum. Come here to find out about general information.

# Custom Sub Pages

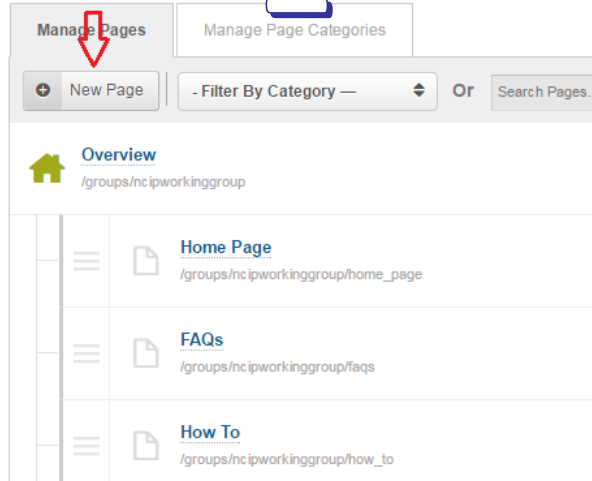


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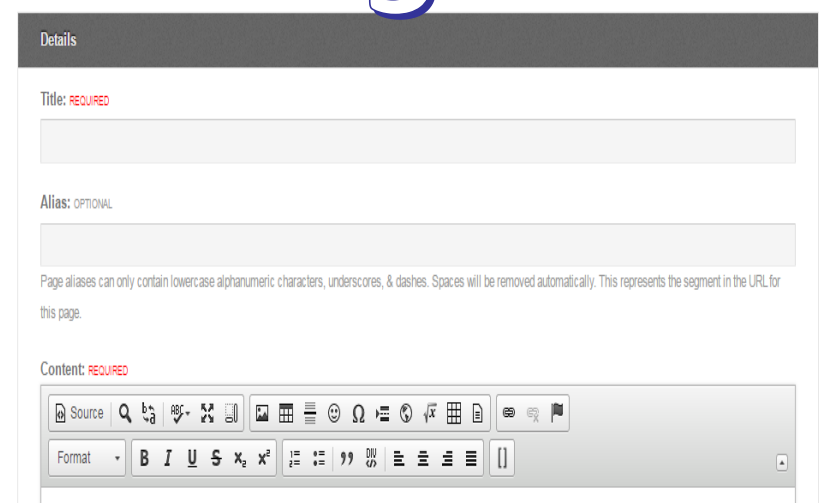
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## 2. Build an Interactive Community Forum


# caNano Lab User Forum

“A forum to discuss caNanoLab data submission and future enhancement plans”



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[Forum](#) 1

## caNanoLab User Forum

[Overview](#)  
[biomedicine](#) [databases](#) [Data Sharing](#) [nanoinformatics](#) [nanotechnology](#) [NCI](#)

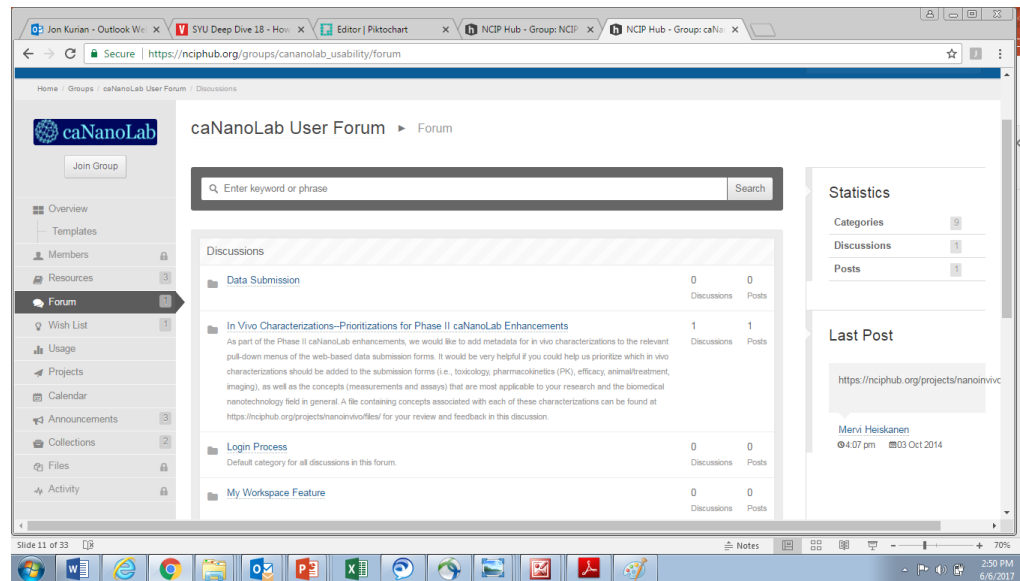
### ABOUT THE GROUP



**caNanoLab Data Repository.** The NCI cancer Nanotechnology Laboratory ([caNanoLab](#)) data portal is designed nanotechnology community to expedite and validate the use of nanotechnology in biomedicine.

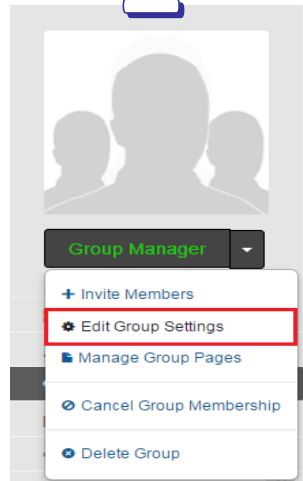
**How to Use This Site.** This group provides guidance for data submission (see below), and a forum to discuss c: plans. Please provide your comments and suggestions by clicking on the "Forum" tab on the left-side navigation

# Moderated Community Forum

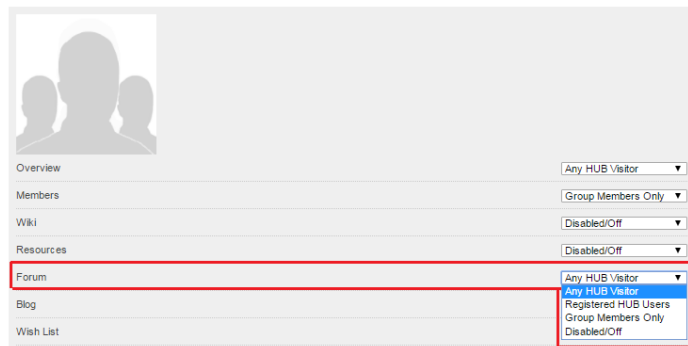


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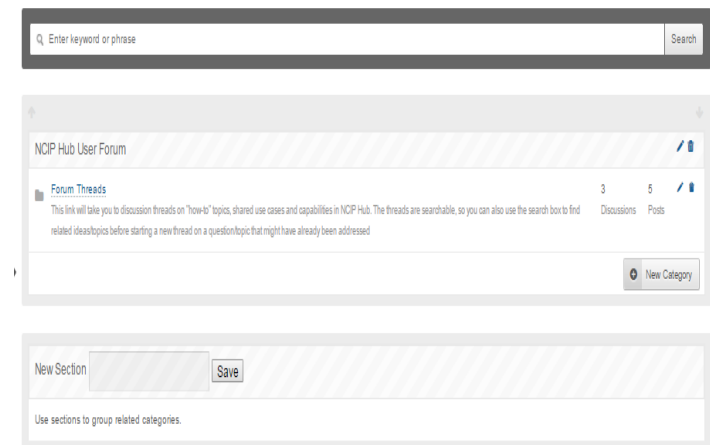


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NCIP Hub User Group ▸ Forum





### 3. Manage Events, Registration and Meeting Materials


# ITCR Initiative

Promote communication and interaction among the ITCR investigators, their collaborators and development teams.



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Home / Groups / Informatics Technology for Cancer Research (ITCR) Initiative



Request Group Membership

Overview

[Annual Meeting 2016](#)  
[ITCR Administrative Supplement Opportunity 2016](#)  
[Monthly PI Teleconferences](#)  
[Training and Outreach WG Teleconferences](#)  
[ITCR Technical Working Group](#)  
[Annual Meeting 2015](#)  
[Annual Meeting 2014](#)  
[Information for ITCR Grantees](#)  
[ITCR at the AACR 2017](#)

## Informatics Technology for Cancer Research (ITCR) initiative

[bioinformatics](#) [Cancer Informatics](#) [Information Technology](#) [ITCR](#) [NCI](#)

[ITCR](#) is a NCI program that supports innovative investigator-initiated informatics technology development to improve the acquisition, management, analysis, and dissemination of cancer data. This group is to promote communication and interaction among the ITCR investigators, their collaborators and development teams. Work products in technology development are shared through the NCIP Hub as well as other mechanisms.

*Short, introductory videos are available for many of the ITCR tools and are a great way to get a quick overview of their capabilities. We invite you to explore these.*

### [ITCR Conference Calls](#)

[Monthly PI Teleconference](#), First Friday of the Month, 2pm ET [Notes](#)

[Training and Outreach Working Group](#), Second Thursday of the Month, 4pm ET [Notes](#)

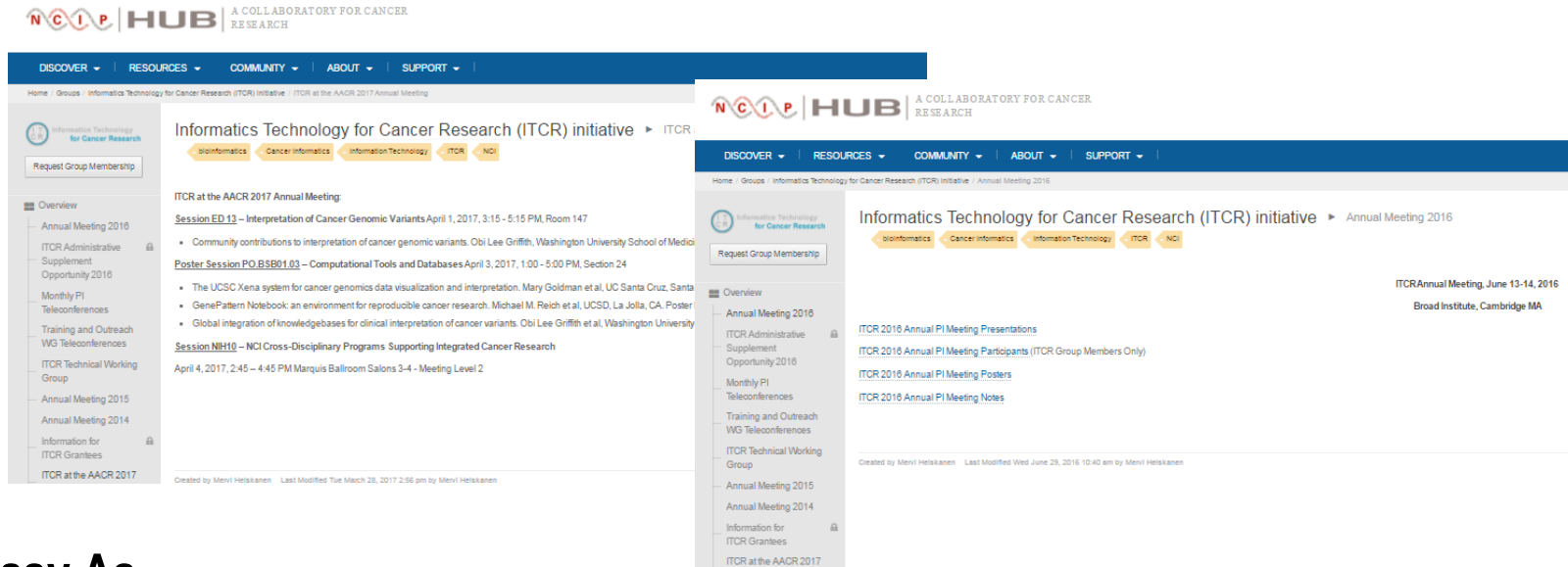
[Technical Working Group](#), Fourth Friday of the Month, 4pm ET [Notes](#)

[Containers and Workflows Working Group](#) Joint WG with ITCR, Genomic Data Commons, Cloud Pilots and NCI intramural. Second Friday of the Month, 3pm ET.

### [ITCR 2017 Annual PI Meeting](#)

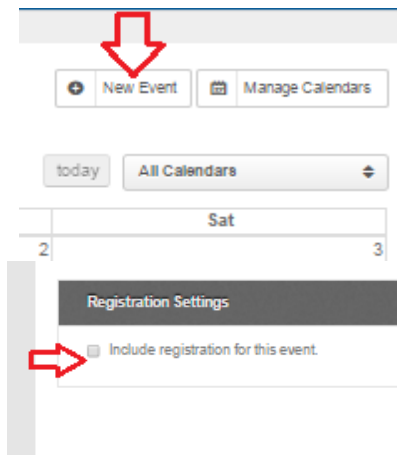
#### [Presentations](#)

# One-Stop Shop for Event Information

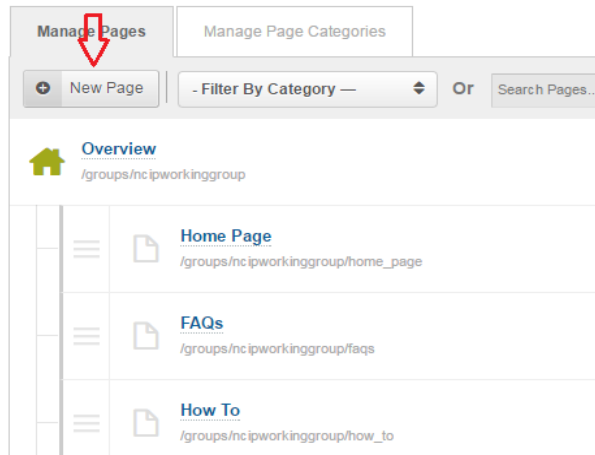


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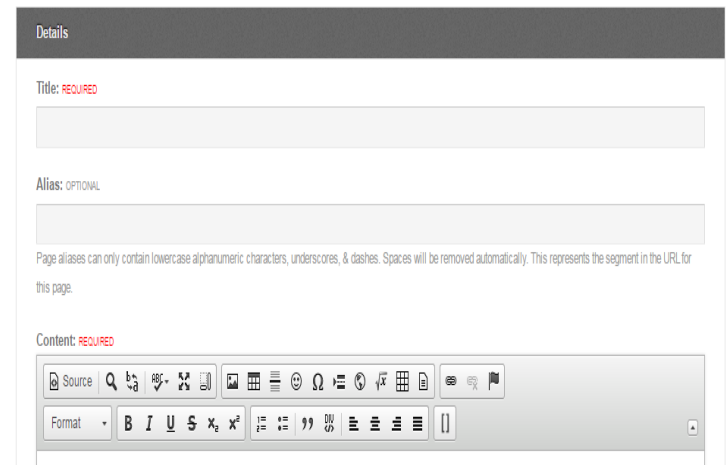
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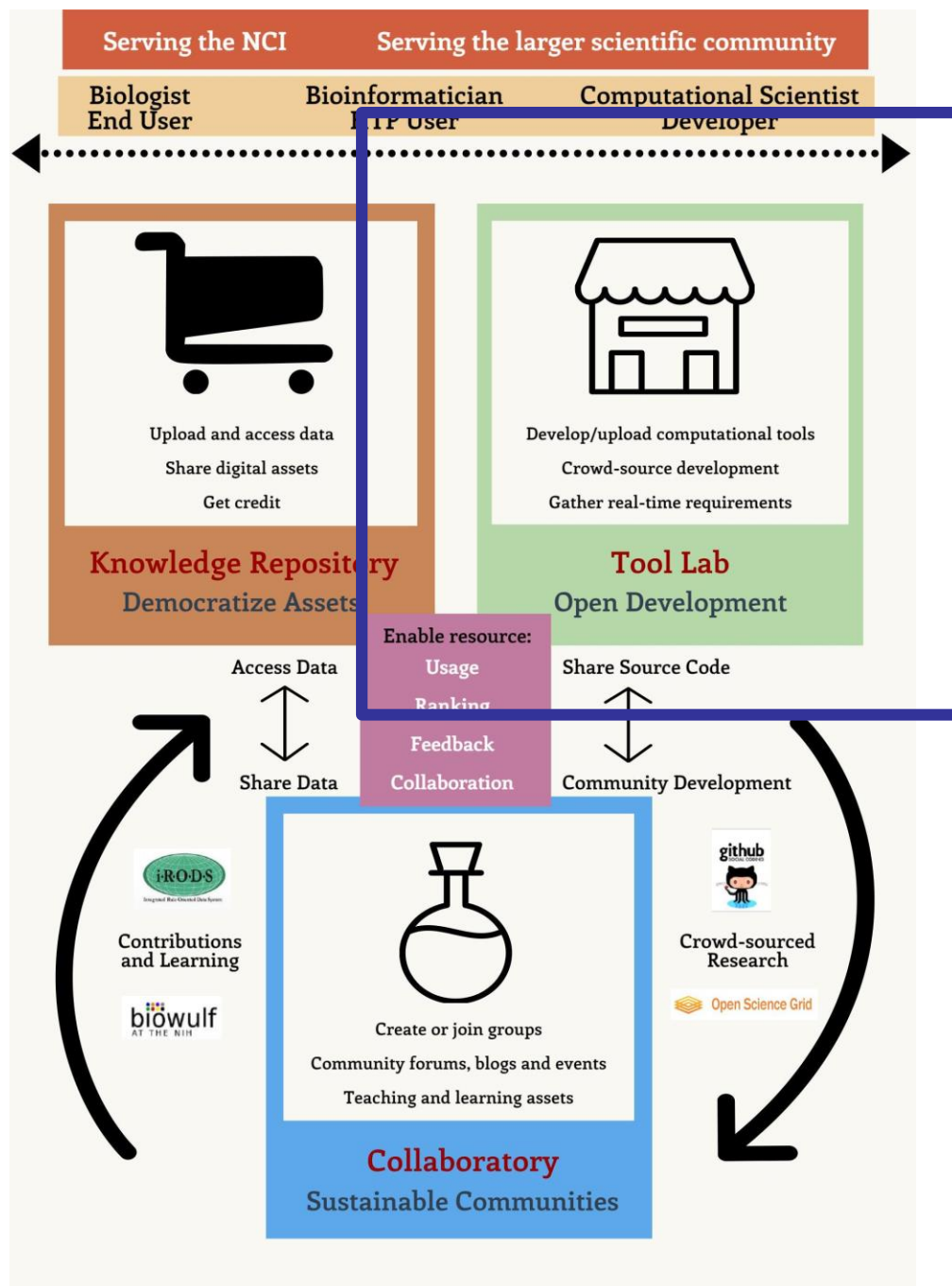


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## 4. Develop, Test and Deploy Tools Collaboratively



# Quantitative Imaging Network (QIN)

“Designed to promote research and development of quantitative imaging methods for the measurement of tumor response to therapies in clinical trial settings, with the overall goal of facilitating clinical decision making”

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## Quantitative Imaging Network (QIN) ▶ Overview

[image-guided](#) [Imaging](#) [interventions](#) [measurements](#) [methods](#) [Network](#) [Quantitative](#) [software](#)

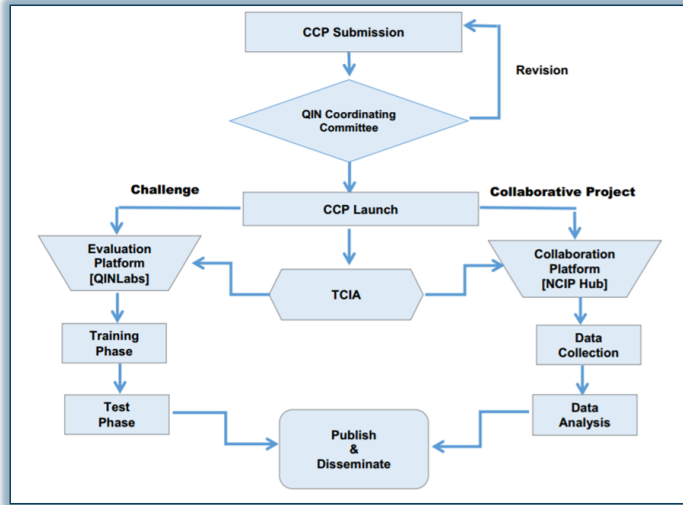
### ABOUT THE GROUP

*i*

The Quantitative Imaging Network (QIN) is one of several within the Cancer Imaging Program. It is designed to promote research and development of quantitative imaging methods for the measurement of tumor response to therapies in clinical trial settings, with the overall goal of facilitating clinical decision making. The main emphasis is on the support of the development and adaptation/implementation of quantitative imaging endpoints (including imaging methods and related software tools research, and/or informatics infrastructure, as needed). Projects include the appropriate development and adaptation/implementation of quantitative imaging methods, imaging protocols, and software solutions/tools (using existing commercial imaging platforms and instrumentation) and application of these methods in current and planned clinical therapy trials. The projects are focusing on imaging-derived quantitative measurements of responses to drugs and/or radiation therapy, and/or image-guided interventions (IGI).

To date, sixteen centers of imaging excellence have been selected through the NIH peer review process and more will be added as they pass through peer review. Five working groups, addressing common issues to the various programs, including data collection, image analysis, informatics, clinical trial design, and network outreach have been established. These working groups are composed of members of the different QIN teams, though not necessarily the principal investigators. The Network's Steering Committee meets monthly via teleconference and organizes network-wide activities such as consensus publications, cross-network activities, associate membership in the network, and semi-annual face-to-face meetings. To achieve the goals of the QIN, multidisciplinary teams that include oncologists as well as clinical and basic imaging scientists are required. The involvement of industrial partners in the development and adaptation/implementation of quantitative imaging methods to aid cancer therapies is encouraged.

# Crowdsourced Tool Testing & Evaluation



Challenge/ Collaborative Project (CCP) Title	C/CP	Status	Challenge URL
QIN BMMR - Breast Metrics for Measuring Response	Challenge	Open	<a href="http://qinlabs.cloudapp.net">http://qinlabs.cloudapp.net</a>
Test Challenge	Challenge		
Breast DCE-MRI	Collaborative Project	Closed	
QIN Apparent Diffusion Coefficient	Collaborative Project	Closed	
DCE-MRI Arterial Input Function	Collaborative Project	Closed	
Interval Change using NLST Chest CT Scans	Collaborative Project	Closed	
Dynamic PET-MISO	Collaborative Project	Closed	
CT Image Feature	Collaborative Project	Closed	
DICOM Storage - Parameter Map Storage	Collaborative Project	Closed	
Dynamic Susceptibility Contrast MRI	Collaborative Project	Closed	
Validation of Gradient non-Linearity Bias Correction	Collaborative Project	Closed	
Lung CT Segmentation	Challenge	Closed	
PET Segmentation	Challenge	Closed	
DSC-MRI DRO Challenge	Challenge		

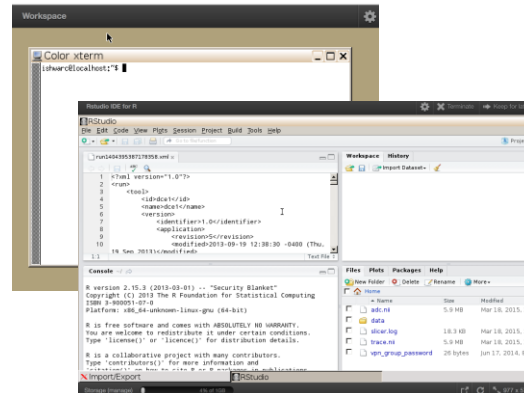
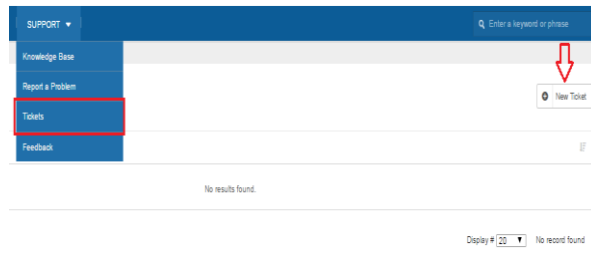
[Propose a CCP](#)
[Participate in a Challenge](#)
[Participate in a Collaboration Project](#)
[CCP Guidelines](#)

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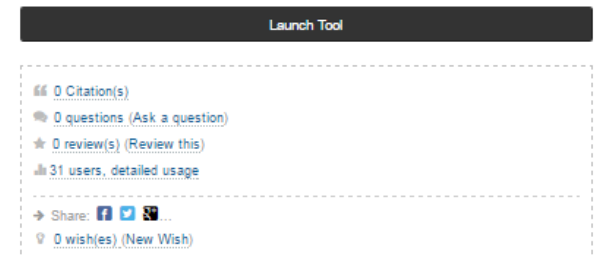
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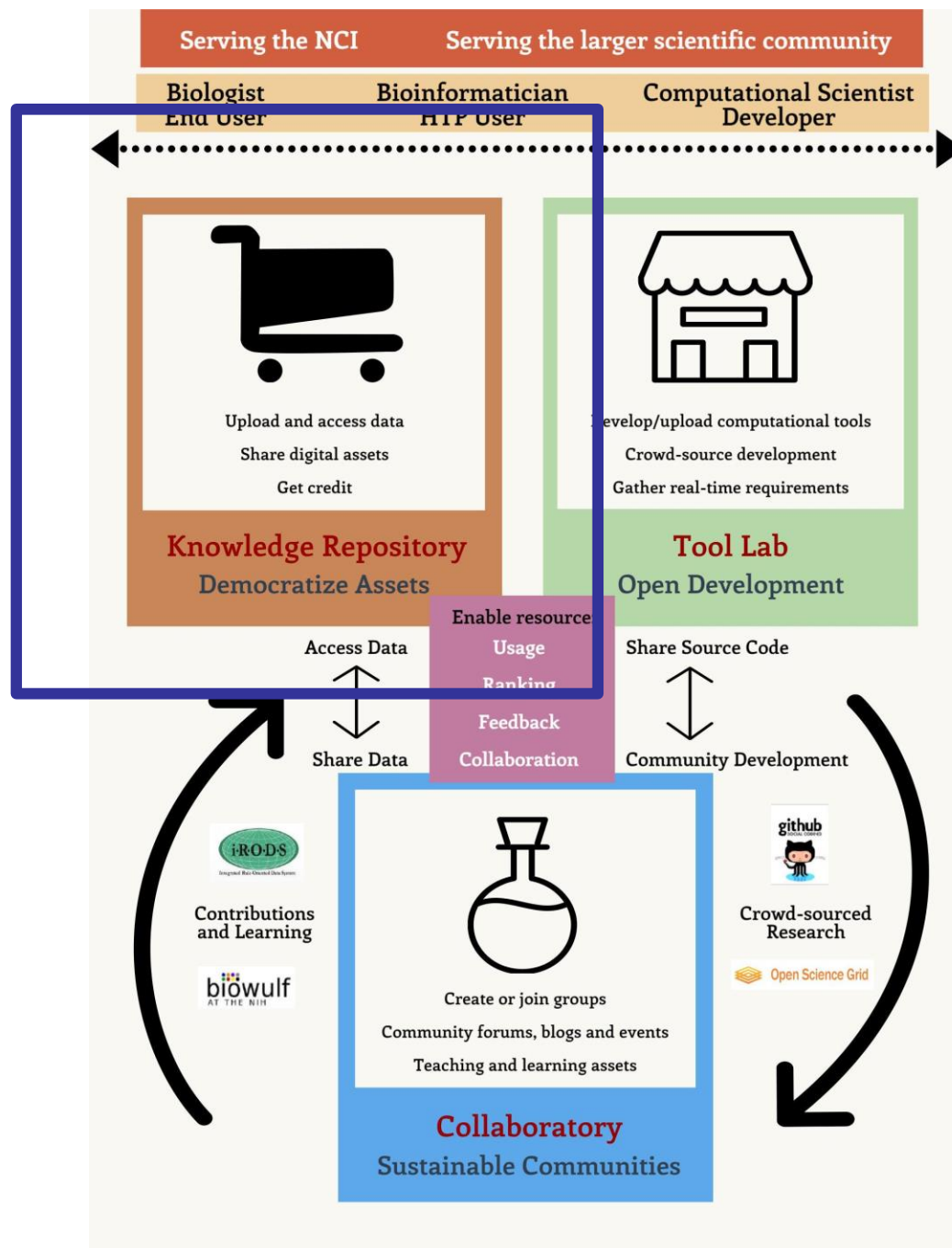
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Rstudio IDE for R

making Rstudio available as a tool [Learn more](#)



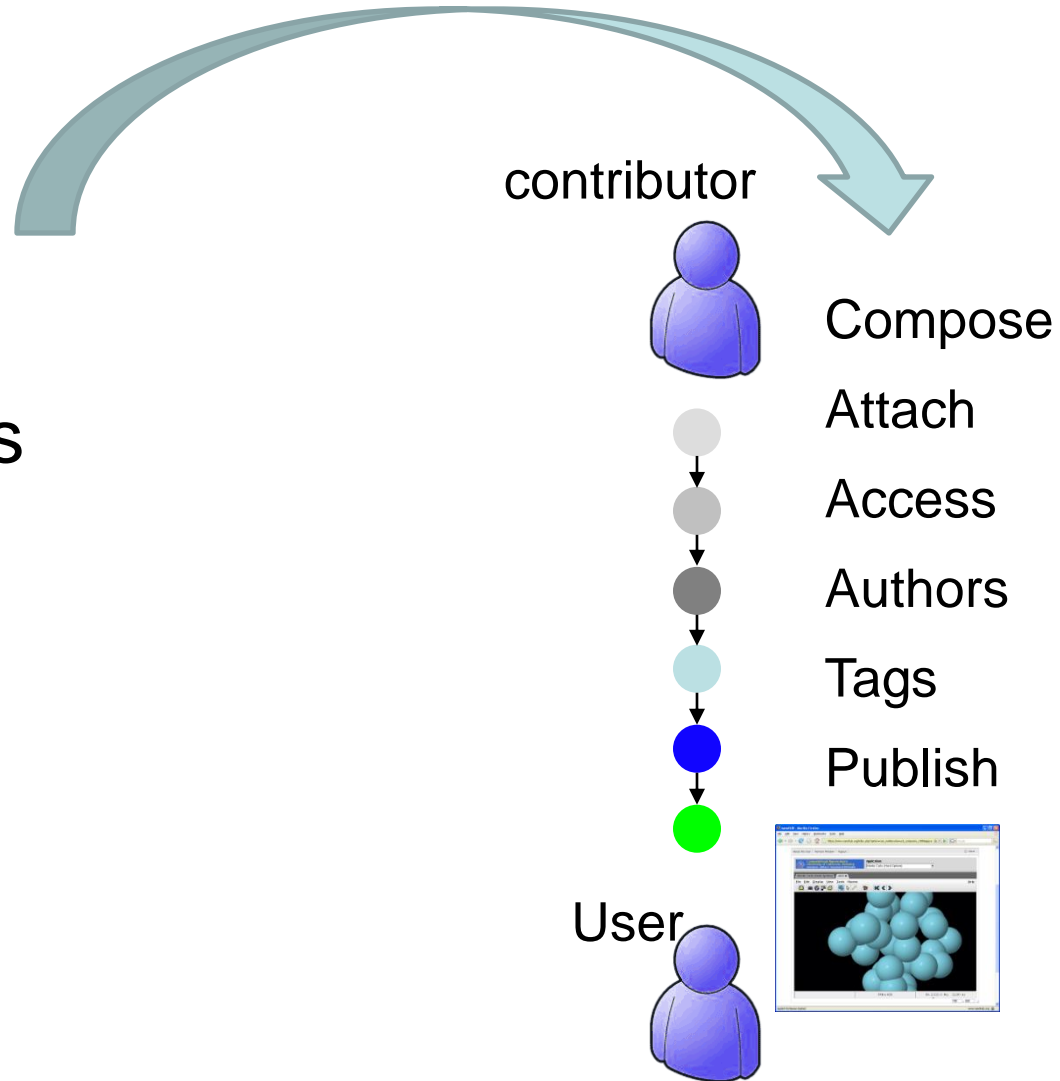




## 5. Create an Interactive Repository for Program Assets

# Resources

1. Seminars
2. Tutorials
3. Events
4. Workshops
5. Tools
6. Blogs



# FDA Computational Fluid Dynamics and Data

“Provide data on CFD and blood damage validation studies sponsored by the U.S. Food & Drug Administration, and funded by the FDA’s Critical Path Initiative”



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Home / Wiki / Computational Fluid Dynamics Round Robin Study

## Computational Fluid Dynamics Round Robin Study

by [Prasanna Hariharan](#)

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## Welcome to the FDA’s “Critical Path” Computational Fluid Dynamics (CFD)/Blood Damage Project.

Data on CFD and blood damage validation studies sponsored by the U.S. Food & Drug Administration, and funded by the FDA’s Critical Path Initiative is available here.

### Benchmark 1:

Computational Round Robin #1 was an international effort to assess the state of the art in biomedical computational fluid dynamics. We devised a benchmark standard model of a generic medical device, consisting of a nozzle with a conical change in diameter. The CFD community in 2008-2009 to run a set of simulations under given flow conditions. We also performed experimental validations of flow in the nozzle for comparison. This website provides information on the study, the nozzle specifications, validation data for

[Click here](#) for data from Benchmark 1

# A Traditional Website on Collaborative Steroids

The screenshot shows the NCI HUB website interface. The top navigation bar includes links for DISCOVER, RESOURCES, COMMUNITY, ABOUT, and SUPPORT. The main content area displays the article 'Computational Round Robin #1 (Nozzle)' by Prasanna Hantharajan. It features a 'Download PDF' button and a 'PROJECT HOME' link. A 3D model of a nozzle is shown with the label 'Benchmark 1: Nozzle'. The article text describes an international effort to assess the state of the art in biomedical computational fluid dynamics. A sidebar on the right shows 'Round Robin 1 Data Sets' by Prasanna Hantharajan and Richard A. Malmack.

As Easy As..

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This screenshot shows the 'New page' button in the top navigation bar, highlighted with a red arrow. The sidebar on the left contains a list of links, with 'Wiki' highlighted in a red box. The main content area shows a form for creating a new page, including fields for 'Page name' and 'Template'.

This screenshot shows the 'Resources: Publications' page. It features a search bar and a list of publications. The 'Wiki' link in the sidebar is highlighted in a red box. The main content area displays a list of publications, including '2014 QNA Abstract Book', 'BIOGPP Checklist for pMAPK (pERK1/2)', and 'caNanoLab: data sharing to expedite...'. The 'Wiki' link is also highlighted in a red box.

This screenshot shows the 'Resources: Publications' page. It features a search bar and a list of publications. The 'Wiki' link in the sidebar is highlighted in a red box. The main content area displays a list of publications, including '2014 QNA Abstract Book', 'BIOGPP Checklist for pMAPK (pERK1/2)', and 'caNanoLab: data sharing to expedite...'. The 'Wiki' link is also highlighted in a red box.



## **6. Work Together to Draft and Publish a Manuscript**



# Nanotechnology Working Group

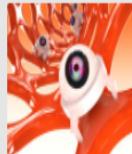
"Demonstrate the scientific potential of federating nanotechnology databases through pilot projects aimed at integrated semantic search and retrieval of nanomedicine and nanotoxicology datasets that are applicable across nanoscience"

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Login

## Overview

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## Nanotechnology Working Group (Nano WG) ▶ Overview

[nanoinformatics](#) [nanotechnology](#)

### ABOUT THE GROUP



The National Cancer Institute (NCI) National Cancer Informatics Program (NCIP) Nanotechnology Working Group was established in 2008 for researchers with a specific interest in informatics and computational approaches to nanotechnology with a particular emphasis on nanomedicine. The goal of this working group is to demonstrate the scientific potential of federating nanotechnology databases through pilot projects aimed at integrated semantic search and retrieval of nanomedicine and nanotoxicology datasets that are applicable across nanoscience. The NCIP Nanotechnology Working Group (NCIP Nano WG) comprises over 20 active participants from academia, government and industry with diverse interests.

Nano WG weekly meeting agenda and logistical information is posted in the Calendar, presentations are posted in the Resources section, see the left side of this page.

[Nano WG Publications](#)

### GROUP MEMBERS

[View All Members](#)



Juli Klemm  
National Cancer Institute



Ishwar Chandramouliswaran  
National Cancer Institute




Mervi Heiskanen  
National Cancer Institute



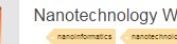
Sharon Gaheen  
Leidos Biomedical Research, Inc.

# Real-Time File Editing and Organization


A COLLABORATORY FOR CANCER RESEARCH


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## Nanotechnology Working Group (Nano WG)

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### Relevant publications authored by the Nano WG participants:


**Standard Specification:** ASTM International E2609-13: Standard guide for investigation/study/assay tab-delimited format for nanotechnology data

**Primary Literature**

- Lowry, G. V., R. J. Hill, et al. (2016). "Guidance to improve the scientific value of zeta-potential measurements in nanoEHS." [Environ](#)
- Marchese Robinson, R. L., I. Lynch, et al. (2015). "How should the completeness and quality of curated nanomaterial data be evaluated?" [Hendren](#)
- Hendren OC, Powers CM, Hoover MD, Harper S. 2015. The Nanomaterial Data Curation Initiative: A collaborative approach to assess data quality. [Harper](#)
- Harper, S.L., J. Hutcheon, N. Baker, M. Ostrat, S. Tinkle, J. Stevens, MD Hoover, J. Adamick, K. Rajan, S. Gaheen, Y. Cohen, A. Nel, R. C. Information integration. [Computational Science and Discovery](#) 6:1-13.
- Baker, N.A., J.D. Klemm, S.L. Harper, S. Gaheen, M. Heiskanen, P. Rocca-Serra, S.A. Sansone. 2013. Standardizing Data. [Nature](#) N
- Thomas, D.G., S. Gaheen, S.L. Harper, M. Fritts, F. Klaessig, E. Hahn-Dantona, D.S. Paik, S. Pan, G.A. Stafford, E.T. Freund, J.D. Klemm
- de la Iglesia, D., S. Harper, M.D. Hoover, F. Klaessig, P. Lippell, B. Maddux, J. Morse, A. Nel, K. Rajan, R. Reznick-Zellen, M.T. Tuominen
- Thomas, D.G., F. Klaessig, S.L. Harper, M. Fritts, M.D. Hoover, S. Gaheen, T.H. Stokes, R. Reznick-Zellen, E.T. Freund, J.D. Klemm, D. 532. doi: 10.1002/wnan.152.
- Powers, C. M., Mills, K. A., Morris, S. A., Klaessig, F., Gaheen, S., Lewinski, N., & Hendren, C. O. (2015). Nanocuration workflow: Enabling data integration and sharing for nanotechnology research. [Environ](#)


**NanoWG Reports**

caBIG Nano Working Group comments on the FDA's Draft Guidance Document on Nanotechnology. Docket Identification Number: FDA



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

A COLLABORATORY FOR CANCER RESEARCH

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### Information Resources for Data-Related...

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[NIH RFI](#)

[NIH RFI draft.docx](#)

[NIH RFI draft3.docx](#)

Disk usage: [0.7% used](#) Project Quota: 512 MB

## As Easy As..

1

2

3

The screenshot shows the 'Group Manager' interface. On the left, a sidebar contains a list of tabs: Overview, Members, Wiki, Resources, Forums, Blog, Wish List, Usage, and Projects. The 'Projects' tab is highlighted with a red box. To the right of the sidebar is a search bar with the placeholder text 'Enter a keyword or phrase'. Below the search bar is a red arrow pointing down to an 'Add Project' button. The 'Add Project' button is a white button with a blue plus icon and the text 'Add Project'.

Describe your project
Add team member(s)
Start using your project!

Add team member(s)

as: ☐ manager
OR
☒ collaborator
OR
☐ reviewers

Find registered user by name or invite by email / type name of the group and select from drop-down:

Individual:

OR

User group:

add

Total members: 1
Click on the user role to change. Check boxes to delete.
delete

**Files • Connect**

Available connections for your project:

**G Google Drive**  
To enable this service for your project, connect now!

**+ CONNECT**  
Connecting your project to an external service such as Google Drive lets you extend collaborative editing possibilities and take advantage of syncing tools provided by the remote SERVICE.

**More services to come!**  
We are working to make other services available in the near future, with Dropbox first in the line. Stay tuned!

### Curation Framing Paper

Project [collaboration](#)

Presented by gregor.hartmann@ethz.ch and gregor.hartmann

**Files**

Name	Size	Date	Type
20140908_NEO_Framing_MemoScript.docx	410 KB	Sep 18, 2014	Microsoft Word Document
20141003_Lesson_ResponseLetter	20 KB	Oct 3, 2014	Microsoft Word Document
NEO_FinalDraft_Framing_MemoScript_Framing_Discussion.docx	471 KB	Oct 23, 2014	Microsoft Word Document

Link (Google)  Project Details

Show Detailed Files

# In Review

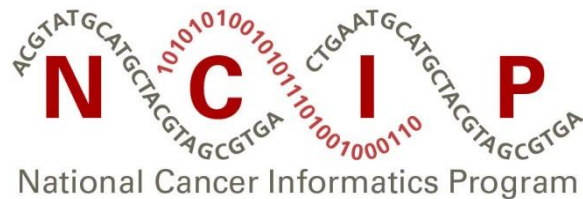
You Can Use the NCIP Hub to...

1. **Create Vibrant Community Spaces**
2. **Build and Interactive Community Forum**
3. **Manage Events, Registration & Meeting Materials**
4. **Develop, Test & Deploy Tools Collaboratively**
5. **Create an Interactive Repository for Program Assets**
6. **Work Together to Draft & Publish a Manuscript**
7. **& More!**

# More Information

<http://nciphub.org/newsletter>

<http://nciphub.org/groups/ncipworkinggroup>



**Mervi Heiskanen**

Program Manager

240-276-5175

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<http://hubzero.org/>



*NSF funded research*

# National Cancer Institute



**NATIONAL  
CANCER  
INSTITUTE**

[www.cancer.gov](http://www.cancer.gov)

[www.cancer.gov/espanol](http://www.cancer.gov/espanol)



## Appendix

### *NCIP Hub Capability Infographics*

# NCIP HUB GROUPS

Groups are a simple and convenient way to share content and conversation, either privately or with your community.



## How Do Groups Work?



### Customized Privacy and Roles

- Privacy settings - visible or hidden
- Join policy - open, restricted, invite-only, closed
- Assign member roles



### Robust Content Sharing

- Member contributions
- Collections boards by topic
- Group Wikis with user-generated knowledge



### Convenient Member Communication

- Group calendar to share events
- Group forum to discuss topics of interest
- Wishlist for crowdsourcing

## Group Features

### POOL OF RESOURCES



### CONTENT COLLECTIONS



### GROUP WIKI



### GROUP CALENDAR



### GROUP FORUM



### BLOG



### FILES



### WISHLIST



### USAGE METRICS



### ANNOUNCEMENTS



# NCIP HUB Forums

Groups forums are a place where users can come together to have discussions and share ideas on topics of interest.



## How Does the Group Forum Work?



### Organized Discussions

- Create threads on topics of interest
- Categorize groups of related threads together
- Add sections of related categories or topics



### Easy Moderation

- Sticky feature ensures important threads stay on top
- One-button spam reporting



### Custom Comments

- Attach relevant files to forum posts
- Add tags for increased discoverability
- Post anonymously

## Group Forum Features

### THREADS



### CATEGORIZED THREADS



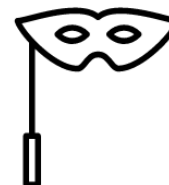
### STICKY DISCUSSIONS



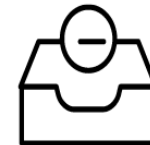
### POST TAGGING



### ANONYMOUS POSTING



### SPAM REPORTING



### FILE ATTACHMENT





# NCIP HUB CALENDAR/EVENTS

Groups Calendars can be used to organize members and manage relevant events.



## How Does the Group Calendar Work?



### Customize Different Calendars

- Create multiple calendars by topic



### Plan Events

- Group members create events
- Embed location, contact & website info
- Include event registration
- Accept abstracts



### Download or Subscribe to Calendar(s)

- Download group calendar(s) and import to personal calendar
- Subscribe to Group Calendar with apps like iCal or Outlook

## Group Calendar Features

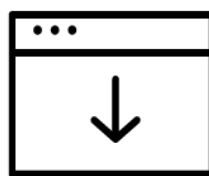
### MULTIPLE CALENDARS



### CALENDAR SUBSCRIPTIONS



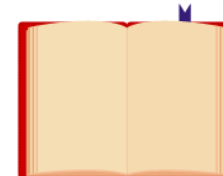
### CALENDAR DOWNLOADS



### EVENT CREATION



### EVENT REGISTRATION

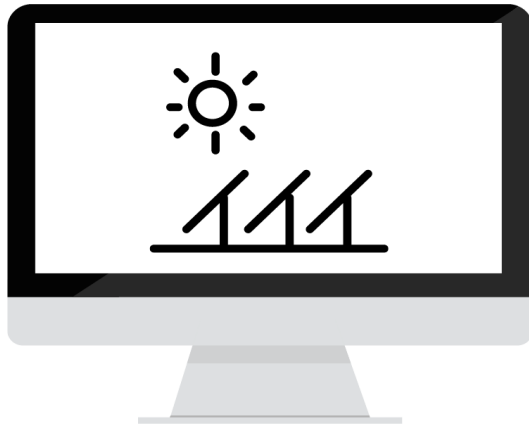


### EVENT IMPORT



# NCIP HUB RESOURCES

Resources are user-submitted pieces of content such as videos, datasets, teaching materials, workshops and more.



## How Do Resources Work?



### Comprehensive Creation Tool

- Create many different resource types
- Add contributor bios, funding info, credits, tags and more
- Tack on sub-files to create child resources



### Editable Access

- Resources viewable by public or only logged-in users



### Browse What's Available

- View and rate content
- Write resource reviews

## Resource Features

### CREATION TOOL



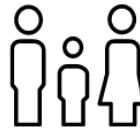
### MULTIPLE CATEGORIES



### CONTRIBUTOR DATA



### CHILD RESOURCES



### CUSTOM ACCESS



### BROWSE BY CATEGORY



### RATE AND REVIEW



# NCIP HUB PROJECTS

Projects are an organized way to work together on tasks such as new funding proposals, research papers and application development.



## How Do Projects Work?



### Easy Sharing of Project Data

- Git repository for file storage
- Built-in web file browser for file revisions
- Share select content publically



### Simple Team Management

- Add users or invite external collaborators
- Assign Roles



### Enhanced Team Communication

- Share project notes
- To-do lists for assigning tasks
- Project feed streams project updates

## Project Features

PROJECT FEED



TO-DO LIST



PROJECT NOTES



FILE  
MANAGEMENT



DATA  
PUBLICATION



EMAIL  
INVITATIONS



ROLE  
ASSIGNMENTS



WEB FILE  
BROWSER



GIT REPOSITORY



# NCIP HUB Blogs

Blogs are a way to journal and express thoughts, as well as a place for group members to share and discuss updates on relevant topics.



## How Does the Group Blog Work?



### Customize Blog Entries

- Embed images or video
- Upload related documents
- Add tags for discoverability



### Decide Who Views and When

- Privacy - public, registered members or private
- Schedule start and end publishing dates

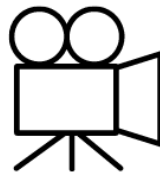


### Facilitate Discussions

- Add comments to posts
- Reply to comments

## Blog Features

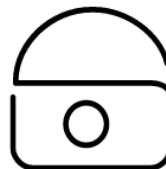
EMBED  
IMAGES/VIDEOS



BLOG TAGGING



POST PRIVACY  
SETTINGS



SCHEDULING



COMMENT  
THREADS



# NCIP HUB WISHLISTS

Group wishlists allow members to crowdsource tasks, projects or activities.



## How Does the Group Wishlist Work?



### Simple Wishes

- Wishes may be proposed by any group member
- Add tags for discoverability



### Easy Wish Management

- Managers accept or reject wishes
- Managers select importance and level of effort for accepted wishes

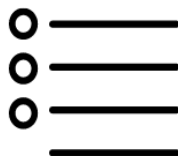


### Community Interaction

- Pending wishes listed by priority
- Community upvotes or downvotes accepted wishes
- Members comment on and discuss wishes

## Wishlist Features

### PRIORITIZATION



### IMPORTANCE DESIGNATION



### WISH TAGS



### COMMUNITY VOTING



### COMMENT THREADS



# NCIP HUB Collections

Collections are a quick and easy way to bookmark, favorite, organize and share information on the NCIP Hub.



## How Do Group Collections Work?



### Share a Post

- Post an image, link or file
- Post content - from the web, the NCIP Hub or upload files from your computer



### Collect Posts

- Organize posts by topic
- Collect an entire collection
- Make collections public or private



### Follow Collections

- Follow someone for their posts to show up on your live feed
- Choose which collections you'd like to follow

## Collection Features

CONTENT POSTING



FILE UPLOAD



ORGANIZED BY  
TOPIC



LIKE POSTS



COMMENT ON  
POSTS



FOLLOW  
COLLECTIONS



COLLECT ENTIRE  
COLLECTIONS



# NCIP HUB ANNOUNCEMENTS

Announcements are an easy way for Group managers to notify group members about important information.



## How Do Announcements Work?



### Easy Visibility

- Post active announcements
- Make a sticky announcement
- Email to group members



### Organization

- Listed by date and time
- Color coded by announcement type



### Extended Options

- Mark as high priority
- Republish and remind about inactive announcements

## Announcement Features

### ANNOUNCEMENTS PAGE



### COLOR CODING



### GROUP EMAIL NOTIFICATIONS



### ANNOUNCEMENT PRIORITIZATION



### ANNOUNCEMENT STICKIES

