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/
Serving the NCI  Serving the larger scientific community

Biologist End User  Bioinformatician HTP User  Computational Scientist Developer

Knowledge Repository  Tool Lab
Democratize Assets  Open Development

Upload and access data  Develop/upload computational tools
Share digital assets  Crowd-source development
Get credit  Gather real-time requirements

Enable resource:
Usage
Ranking
Feedback
Collaboration

Access Data  Share Source Code
Share Data  Community Development

Contributions and Learning  Crowd-sourced Research
Consortium for Learning  Open Science Grid

Create or join groups
Community forums, blogs and events
Teaching and learning assets

Collaboratory  Sustainable Communities
1. Create Vibrant Community Spaces
CRCHD Supplements Cafe

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

Welcome to the CRCHD Supplements Cafe!

Come and hang out with CRCHD supplement trainees, mentors, NCI staff and other interested parties. The cafe 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

As Easy As..

1. Manage Pages
2. Manage Page Categories
3. Overview
As Easy As...

1. Group Manager
   - Invite Members
   - Edit Group Settings
   - Manage Group Pages
   - Cancel Group Membership
   - Delete Group

2. Manage Pages
   - Manage Page Categories
   - Now Page
   - Filter By Category
   - Or Search Pages

3. Details
   - Title: RECIPE
   - Alias: OPTIONAL
   - Page alluses can only contain lowercase alphanumeric characters, underscores, & dashes. Spaces will be removed automatically. This represents the segment in the URL for this page.
   - Content: RECIPE

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We are new in the neighborhood, and still under construction. We have put up some information that we think are of interest to you, but the possibilities are endless. Take a look around and drop us a note in the Wish List about what you would like to see here. Feel
2. Build an Interactive Community Forum
caNano Lab User Forum

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

As Easy As...

1. Group Manager
   - Invite Members
   - Edit Group Settings
   - Manage Group Pages
   - Cancel Group Membership
   - Delete Group

2. caNanoLab User Forum
   - Discussions
   - In Vivo Characterization: Preclinical for Phase 3 caNanoLab Enhancements

3. NCIP Hub User Group
   - Forum
   - Search
3. Manage Events, Registration and Meeting Materials
ITCR Initiative

Promote communication and interaction among the ITCR investigators, their collaborators and development teams.
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”
Crowdsourced Tool Testing & Evaluation

As Easy As..

1

2

3

Challenges and Collaborative Projects (CCPs)

<table>
<thead>
<tr>
<th>Challenge/Collaborative Project (CCP) Title</th>
<th>CCP</th>
<th>Status</th>
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<td>DSC-MRI DRO Challenge</td>
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</tr>
</tbody>
</table>

Propose a CCP | Participate in a Challenge | Participate in a Collaboration Project | CCP Guidelines

Rstudio IDE for R
making Rstudio available as a tool
Learn more:

Launch Tool

Citation(s)
6 questions (Ask a question)
0 reviews (Review this)
21 users, detailed usage
Share
5 wiki(s) (New Wiki)
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”
A Traditional Website on Collaborative Steroids

As Easy As...

1 2 3
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"
Real-Time File Editing and Organization

As Easy As..
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

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http://hubzero.org/

NSF funded research
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.

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.

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
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.

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.

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

**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

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**Announcement Features**

- Announcements Page
- Color Coding
- Group Email Notifications
- Announcement Prioritization
- Announcement Stickies