

caNanoLab Hands-On Session

November 19, 2015

caNanoLab Hands-On Session Goals

- To provide hands-on training on how to submit a small subset of your data into caNanoLab so that you are able to submit the complete data set after the session
- To obtain feedback on caNanoLab to improve the data curation experience

caNanoLab Curation “Tips”

- Review your publication and perform basic data extraction to guide data submission activities—includes identifying samples and characterizations
- Identify the number of samples that have different composition or properties and determine the sample name
 - caNanoLab encourages the use of the following convention for sample names of data derived from publications:
 - *Abbreviation(s) of institution names, name of the first author (without middle name), custom abbreviation of journal title, year of publication, and sample sequential number e.g. SNL_UNM-CAshleyACSNano2012-01.*
- Determine the number of and types of characterizations you plan to submit and associate the characterizations with samples
 - Example samples and characterization types with conditions and techniques:
 - *Plain mesoporous silica nanoparticle; TEM, SEM, DLS, nitrogen sorption, zeta potential*
 - *AEPTMS modified silica nanoparticle; zeta potential*
 - *AEPTMS modified silica nanoparticle loaded with Silencer Select negative control siRNA; cytotoxicity*
- Review the [caNanoLab Glossary](#) to assist in identifying characterization types. Identify any new terms that are not in the caNanoLab glossary and define for consistency within your organization
- Review the sample [NCL-23](#) in caNanoLab as an example

Hands-On Session Activities

1. View caNanoLab Resources
2. Search caNanoLab
3. Login to caNanoLab
4. Submit Data Into caNanoLab
 1. Submit a Publication
 2. Submit a Protocol
 3. Submit a Sample
5. Perform an Advanced Search
6. View MyWorkspace and MyFavorites
7. Submit a Defect or New Feature Request

View caNanoLab Resources

1. Navigate to caNanoLab: <https://caNanoLab.nci.nih.gov>
2. Select the *Help* menu item
3. Select the *Glossary* menu item
4. Select the related link to go to the caNanoLab Wiki

The screenshot shows the caNanoLab website interface. The top navigation bar includes 'RELATED LINKS', 'HELP', and 'GLOSSARY'. The 'HELP' menu is expanded, showing 'caNanoLab Wiki' as the selected item. Below the navigation, there is a 'Welcome to caNanoLab' section with a description of the portal. A table titled 'Browse caNanoLab' displays search results for 'Search Protocols'.

Data Type	Public Results
Search Protocols Search for nanotechnology protocols leveraged in performing nanomaterial characterization assays.	46
Search Seminars	1106

A blue callout box labeled 'Home Page' is overlaid on the bottom right of the screenshot.

Search caNanoLab: Sample Search

1. Search for the NCL-23 sample
 - What is the size of NCL-23 at 25° C?

HOME | PROTOCOLS | **SAMPLES** | PUBLICATIONS | HI

Manage Samples

This is the manage samples section which allows users to e sample, and information about the physico-chemical, *in vitro*, nanomaterial platform and any additional components that contr analysis. In this section, depending on your authorization level, viewing, printing, or exporting.

SAMPLE LINKS

[Search Existing Samples](#)

Enter search criteria to obtain information on samples of interest.

caNanoLab

https://cananolab.nci.nih.gov/caNanoLab/#/searchSample

Sample Search

Help Glossary

Keywords

searching characterization keywords, publication keywords and text in characterization descriptions
enter one keyword per line

Sample Name contains

Sample Point of Contact contains
searching organization name or person name

Nanomaterial Entity: biopolymer, carbon, carbon black, carbon nanotube

Functionalizing Entity: Magnetic Particle, Monomer, Polymer

Function: endosomolysis, imaging function, magnetic

Characterization Type

Characterization

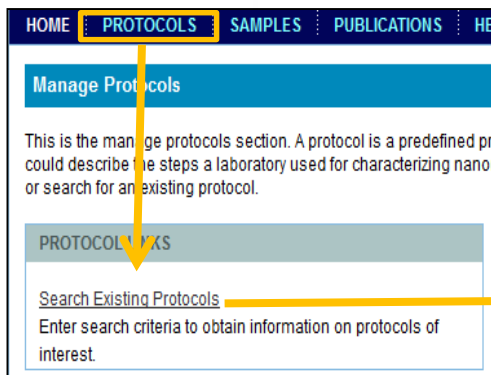
Reset Search

Searching without any parameters returns all samples.

Sample Search

Search caNanoLab: Protocol Search

1. Search for the NCL NIST protocol on Dynamic Light Scattering
 - What is the abbreviation for this protocol?



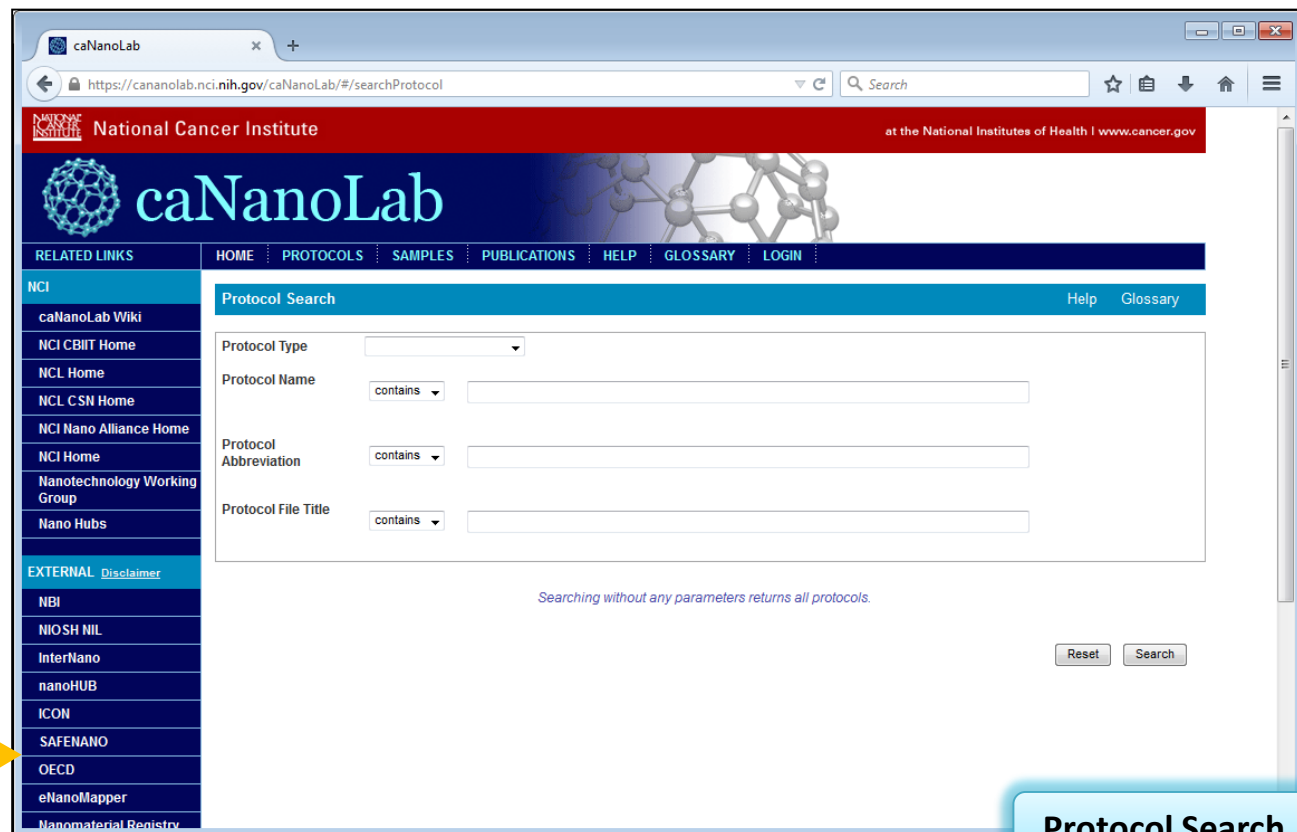
HOME | **PROTOCOLS** | SAMPLES | PUBLICATIONS | HELP

Manage Protocols

This is the manage protocols section. A protocol is a predefined procedure that could describe the steps a laboratory used for characterizing nanomaterials or search for an existing protocol.

PROTOCOL LINKS

- [Search Existing Protocols](#)
- Enter search criteria to obtain information on protocols of interest.



caNanoLab
National Cancer Institute
at the National Institutes of Health | www.cancer.gov

RELATED LINKS: HOME | **PROTOCOLS** | SAMPLES | PUBLICATIONS | HELP | GLOSSARY | LOGIN

Protocol Search Help Glossary

Protocol Type:

Protocol Name: contains

Protocol Abbreviation: contains

Protocol File Title: contains

Reset Search

Searching without any parameters returns all protocols.

EXTERNAL Disclaimer

- NBI
- NIOSH NIL
- InterNano
- nanoHUB
- ICON
- SAFENANO
- OECD
- eNanoMapper
- Nanomaterial Registry

Protocol Search

Search caNanoLab: Publication Search

1. Search for publications on dendrimers
 - How many publications are there?

HOME | PROTOCOLS | SAMPLES | **PUBLICATIONS** | HI

Manage Samples

This is the manage samples section which allows users to e sample, and information about the physico-chemical, *in vitro*, nanomaterial platform and any additional components that contr analysis. In this section depending on your authorization level, viewing, printing, or exporting.

SAMPLE LINKS

[Search Existing Samples](#)

Enter search criteria to obtain information on samples of interest.

caNanoLab

https://cananolab.nci.nih.gov/caNanoLab/#/searchPublication

Publication Search Help Glossary

Publication Type

Research Category animal cell line characterization clinical trials in vitro in vivo synthesis

PubMed ID exact match

Digital Object ID exact match

Publication Title contains

Authors

Keywords

Sample Name contains

Composition Nanomaterial Entity biopolymer carbon carbon black carbon nanotube

Composition Functionalizing Entity


Magnetic Particle Monomer Polymer

Function endosomolysis imaging function magnetic

Searching without any parameters returns all publications.

Publication Search

Login to caNanoLab

1. Navigate to the caNanoLab Home Page
2. Select *Login to submit data* under *USER ACTIONS*
3. Select Go 
4. Login with your user credentials



The screenshot shows the caNanoLab website interface. The browser address bar displays <https://cananolab.nci.nih.gov/caNanoLab/#/>. The page header includes the National Cancer Institute logo and the text "National Cancer Institute at the National Institutes of Health | www.cancer.gov". The main content area features the caNanoLab logo and a navigation menu with sections like "RELATED LINKS", "HELP", and "GLOSSARY". A central banner displays a scientist in a lab coat and the text "Welcome to caNanoLab". To the right, the "USER ACTIONS" section is highlighted, showing a dropdown menu with "Login to submit data" selected and a "Go" button. Below this, there are input fields for "LOGIN ID" and "PASSWORD", and a "Login" button. A "FEATURES" section lists the types of information available, such as "Nanotechnology Protocols" and "Nanomaterial Composition". A "HOW TO" section provides links for "How do I submit data to caNanoLab?", "How do I incorporate data from caNanoLab?", and "How do I find nanomaterials?". A blue "Login" button is overlaid on the bottom right of the screenshot.



Submit Data into caNanoLab: Protocol

1. Select to submit a protocol
2. Select the *Protocol Type*
3. Enter the *Protocol Name*
4. Upload the *Protocol File* or enter the *File URL*
5. Enter a *Description* of the protocol and submit
6. Search for the submitted protocol

HOME **PROTOCOLS** **SAMPLES** **PUBLICATIONS**

Manage Protocols

This is the manage protocols section. A protocol is a predefined procedure that describes the steps a laboratory used for characterizing nanomaterials. You can search for an existing protocol.

PROTOCOL LINKS

- [Submit a New Protocol](#) →
- Select to submit a new protocol.
- [Search Existing Protocols](#)
- Enter search criteria to obtain information on protocols of interest.

caNanoLab
National Cancer Institute
at the National Institutes of Health | www.cancer.gov

caNanoLab

RELATED LINKS | HOME | PROTOCOLS | SAMPLES | PUBLICATIONS | CURATION | MY WORKSPACE | HELP | GLOSSARY | LOGOUT

Submit Protocol

Help | Glossary

Protocol Type *

Protocol Name*

Protocol Abbreviation

Protocol Version

Protocol File Upload Enter File URL

No file chosen

File Title

Description

Access to the Protocol

Protocol Submission

Submit Data Into caNanoLab: Sample

1. Submit a sample
 1. Enter general sample information
 2. Enter sample composition
 3. Enter a characterization referencing the submitted protocol
 4. Submit a publication associated with the sample
2. Search for the submitted sample
3. Change the sample access
 1. Create a collaboration group and assign the sample to the collaboration group
 2. Request the sample be made publically available



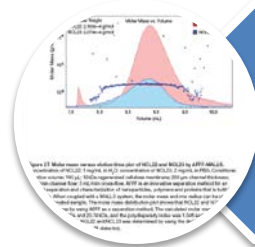
General Information

- Submit Sample Name and Investigator or other point of contact



Composition

- Submit Nanomaterial and Functionalizing Entities and Chemical Associations



Characterizations

- Submit Physico-Chemical, *In Vitro*, and/or *In Vivo* Characterizations

Submit Data into caNanoLab: General Sample Information

1. Select to submit a new sample
2. Enter the *Sample Name*
3. Select to add a *Point of Contact*
4. Enter the *Organization Name* and Save
5. Enter a few *Keywords* and Submit

HOME | **PROTOCOLS** | **SAMPLES** | **PUBLICATIONS**

Manage Samples

This is the manage samples section which allows users to enter g and information about the physico-chemical, *in vitro*, and other c platform and any additional components that contribute to the func section, depending on your authorization level, you may submit ne exporting.

SAMPLE LINKS

- [Submit a New Sample](#) →
- Select to submit a new sample.
- [Copy an Existing Sample](#)
- Select to copy information from an existing sample to a new sample.
- [Search Existing Samples](#)
- Enter search criteria to obtain information on samples of interest.

caNanoLab
National Cancer Institute
at the National Institutes of Health | www.cancer.gov

RELATED LINKS | HOME | PROTOCOLS | **SAMPLES** | PUBLICATIONS | CURATION | MY WORKSPACE | HELP | GLOSSARY | LOGOUT

Submit Sample

[Back](#) | [Help](#) | [Glossary](#)

* Please use the back button located above. The browser back button will not function properly.

Sample Name *

Point of Contact * [Add](#)

Primary Contact?

Role

[Reset](#) [Submit](#)

Point Of Contact Information

Organization Name* Role

Address Line1

Address Line2

City State/Province Zip/Postal Code

Country

First Name Middle Initial Last Name

Phone Number Email

[Help](#) [Hide](#)

Sample Submission

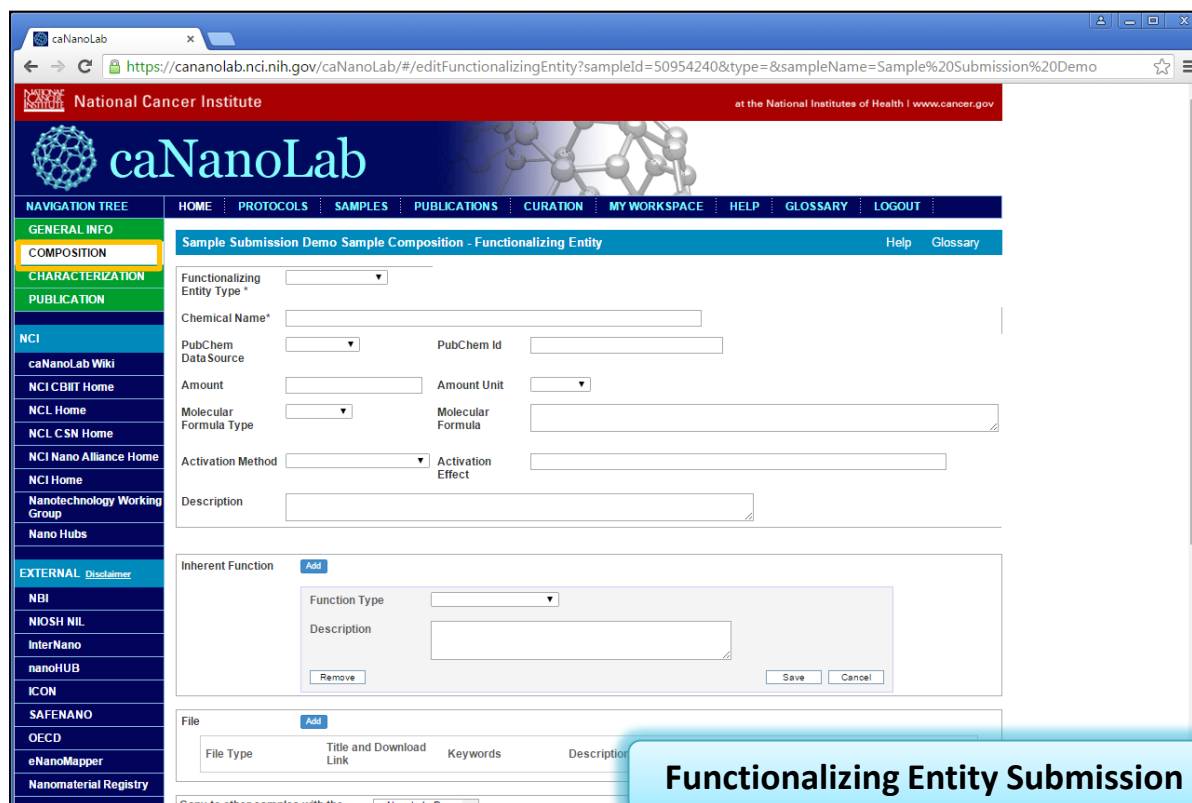
Submit Data into caNanoLab: Sample Composition (1 of 3)

1. Select to submit *Composition* information
2. Select to add a *Nanomaterial Entity*
3. Select the *Nanomaterial Entity* Type for your particle and enter a *Description* and any *Properties*
4. Add a *Composing Element* and Save
5. Submit the *Nanomaterial Entity*

The screenshot displays the caNanoLab web interface for submitting a Nanomaterial Entity. The page title is "Sample Submission Demo Sample Composition - Nanomaterial Entity". The left sidebar contains a navigation tree with "COMPOSITION" highlighted. The main content area includes a "Nanomaterial Entity Type" dropdown, a "Description" text area, and a "Composing Element" section with an "Add" button. The "Composing Element Info" sub-section contains fields for "Type*", "Chemical Name*", "PubChem Data Source", "PubChem id", "Amount", "Amount Unit", "Molecular Formula Type", "Molecular Formula", and "Description". Below this is an "Inherent Function" field with an "Add" button. At the bottom, there is a "File" section with an "Add" button and a table with columns for "File Type", "Title and Download Link", "Keywords", and "Description". A "Copy to other samples with the same primary organization?" checkbox is also present. A blue callout box at the bottom right of the screenshot reads "Nanomaterial Entity Submission".

Submit Data into caNanoLab: Sample Composition (2 of 3)

1. Select to add a *Functionalizing Entity*
2. Select the *Functionalizing Entity* Type for your particle and enter a *Chemical Name*
3. Add an *Inherent Function* and Save
4. Submit the *Functionalizing Entity*



The screenshot displays the caNanoLab web application interface. The browser address bar shows the URL: <https://cananolab.nci.nih.gov/caNanoLab/#/editFunctionalizingEntity?sampleId=50954240&type=&sampleName=Sample%20Submission%20Demo>. The page title is "Sample Submission Demo Sample Composition - Functionalizing Entity". The left sidebar contains a navigation tree with categories: GENERAL INFO (highlighted), COMPOSITION (highlighted), CHARACTERIZATION, PUBLICATION, NCI (with sub-links like caNanoLab Wiki, NCI CBIIT Home, etc.), and EXTERNAL (with sub-links like NBI, NIOSH NIL, etc.). The main content area is a form for submitting a Functionalizing Entity. It includes a dropdown for "Functionalizing Entity Type", a text field for "Chemical Name*", a "PubChem Data Source" dropdown and "PubChem Id" field, "Amount" and "Amount Unit" fields, "Molecular Formula Type" and "Molecular Formula" fields, "Activation Method" dropdown and "Activation Effect" field, and a "Description" text area. Below this is an "Inherent Function" section with an "Add" button and a sub-form containing "Function Type" dropdown, "Description" text area, and "Remove", "Save", and "Cancel" buttons. At the bottom, there is a "File" section with an "Add" button and a table with columns: File Type, Title and Download Link, Keywords, and Description.

Functionalizing Entity Submission

Submit Data into caNanoLab: Sample Composition (3 of 3)

1. Select to submit *Chemical Associations*
2. Select the *Association Type* and *Bond Type*
3. Select the *Elements* that are associated
4. Submit the *Chemical Associations*

The screenshot shows the caNanoLab web interface for submitting chemical associations. The browser address bar displays the URL: <https://cananolab.nci.nih.gov/caNanoLab/#/editChemicalAssociation?sampleId=50954240&type=&sampleName=Sample%20Submiss>. The page title is "Sample Submission Demo Sample Composition - Chemical Association". The form includes the following fields:

- Association Type * (dropdown menu: attachment)
- Bond Type * (dropdown menu: covalent)
- Description (text area)
- Element* (dropdown menu: nanomaterial entity) associated with (dropdown menu: functionalizing entity)
- Element* (dropdown menu: dendrimer) associated with (dropdown menu: small molecule)
- File (Add button and table with columns: File Type, Title and Download Link, Keywords, Description)

Buttons for "Reset" and "Submit" are located at the bottom right of the form. A blue callout box at the bottom right of the screenshot contains the text "Chemical Association Submission".

Submit Data into caNanoLab: Sample Characterization (1 of 2)

1. Select to submit *Characterization* information
2. Select to add a *Physico-Chemical Characterization, In Vitro Characterization, or In Vivo Characterization*
3. Select the *Characterization Name* for your type of characterization and the Protocol Name
4. Enter *Technique* and Instrument *information* and save

The screenshot displays the 'caNanoLab' web interface for submitting characterization data. The browser address bar shows the URL: <https://cananolab.nci.nih.gov/caNanoLab/#/setupCharacterization?sampleId=50954240&type=&sampleName=Sample%20Submission%20Demo>. The page title is 'Sample Sample Submission Demo Add Characterization'. The left sidebar contains navigation links for 'GENERAL INFO', 'COMPOSITION', 'CHARACTERIZATION', 'PUBLICATION', 'CI', 'caNanoLab Wiki', 'NCI CBIT Home', 'NCL Home', 'NCL CSN Home', 'NCI Nano Alliance Home', 'NCI Home', 'Nanotechnology Working Group', 'Nano Hubs', 'EXTERNAL Disclaimer', 'NBI', 'NIOSH NII', 'InterNano', 'nanohUB', 'ICON', 'SAFENANO', 'DECID', 'eNanoMapper', and 'Nanomaterial Registry'. The main content area is divided into several sections: 'CHARACTERIZATION' (with dropdowns for Type: 'physico-chemical characterization', Name: 'size', Assay Type: 'size', Protocol Name: 'NIST - NCL Joint Assay Protocol_PCC-1 (PCC-1), version 1.1', and Source: 'NIST'), 'Design and Methods Description', 'Technique and Instrument' (with a sub-section for 'Technique and Instrument Info' containing fields for Technique: 'dynamic light scattering', Abbreviation, Instrument, and Description), 'Finding', and 'Analysis and Conclusion'. At the bottom, there is a checkbox for 'Also copy finding data and conditions?' and a dropdown for 'Copy to other samples with the same primary organization?'. A blue callout box at the bottom right of the form contains the text 'Sample Characterization Submission'.

Submit Data into caNanoLab: Sample Characterization (2 of 2)

1. Select to add a *Finding*
2. Enter Data and Conditions by creating a data matrix. Enter the number of *Columns* and *Rows* and update.
3. Select the link to each *Column* and specify whether the *Column* is a datum or condition
4. Select the *Column Name* and complete other *Column Values* as applicable. Save the *Column* and repeat for each *Column*.
5. Type in the values for each row and save the *Finding*
6. Select to Add *Files*
7. Upload the *File*. Select the *File Type* and *File Title* and save.
8. Submit the Characterization

temperature	size (mean)
25	10.5
37	11.3

Data Matrix

File Type	Title	Keywords	Description
graph	See Distribution Graph		

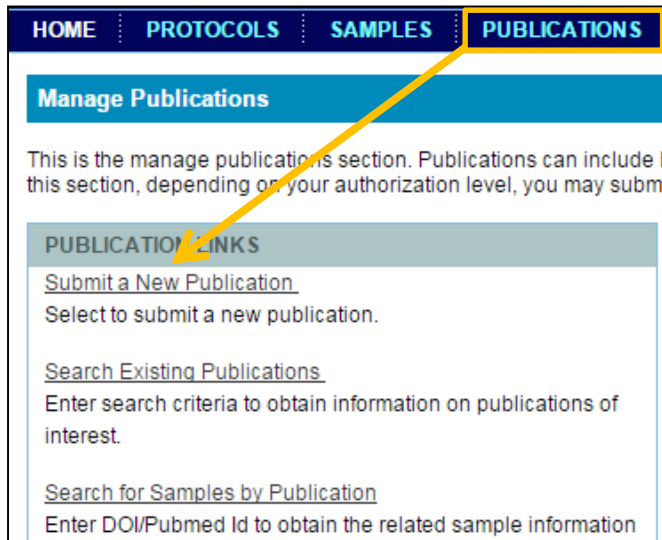
File Upload



Submit Data into caNanoLab: Sample Publication

1. Select to submit a publication
2. Select *Peer Review Article* as the *Publication Type*
3. Enter the *PubMed ID* for your publication
4. Select to enter another field and submit

Note: Publications can also be submitted via the PUBLICATIONS menu



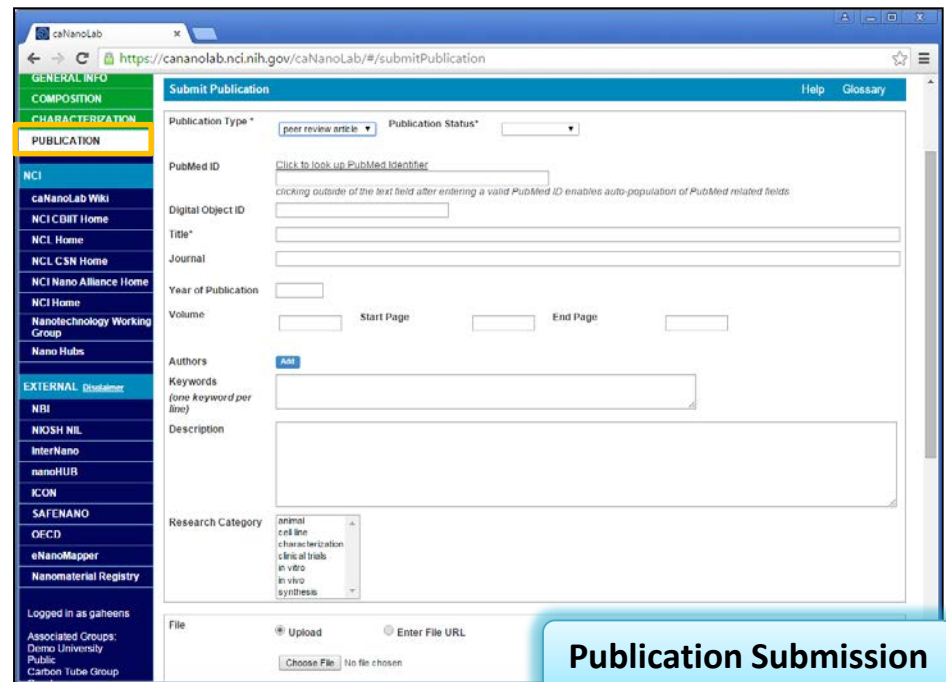
HOME | PROTOCOLS | SAMPLES | **PUBLICATIONS**

Manage Publications

This is the manage publications section. Publications can include this section, depending on your authorization level, you may submit

PUBLICATION LINKS

- [Submit a New Publication](#)
Select to submit a new publication.
- [Search Existing Publications](#)
Enter search criteria to obtain information on publications of interest.
- [Search for Samples by Publication](#)
Enter DOI/Pubmed Id to obtain the related sample information



caNanoLab
https://cananolab.nci.nih.gov/caNanoLab/#/submitPublication

Submit Publication

Publication Type * Publication Status *

PubMed ID
clicking outside of the text field after entering a valid PubMed ID enables auto-population of PubMed related fields

Digital Object ID

Title*

Journal

Year of Publication

Volume Start Page End Page

Authors

Keywords

Description

Research Category

File Upload Enter File URL
 No file chosen

Navigation menu:
GENERAL INFO
COMPOSITION
CHARACTERIZATION
PUBLICATION
NCI
caNanoLab Wiki
NCI CBIT Home
NCI Home
NCL CSN Home
NCI Nano Alliance Home
NCI Home
Nanotechnology Working Group
Nano Hubs
EXTERNAL Disclaimer
NBI
NIOSH NIL
InterNano
nanoHUB
ICON
SAFENANO
OFCO
eNanoMapper
Nanomaterial Registry
Logged in as gaheens
Associated Groups:
Drexel University
Public
Carlson Tube Group

Publication Submission

Submit Data into caNanoLab: Collaboration Group

1. Select *Groups*
2. Select *Manage Collaboration Groups*
3. Select to Add a *Collaboration Group*
4. Enter the *Name*
5. Select to Add *Users* by searching for the user
6. Specify *Read* as the Access to Group for each user
7. Select to save the Collaboration Group

The screenshot displays the caNanoLab web application. The top navigation bar includes 'HOME', 'WORKFLOW', 'PROTOCOLS', 'SAMPLES', 'PUBLICATIONS', and 'GROUPS'. The 'GROUPS' menu is highlighted, and a yellow arrow points to the 'Manage Collaboration Groups' link in the 'COMMUNITY LINKS' section. The main content area shows the 'Collaboration Group Information' form with the following fields:

- Name*: caNanoLab Hands-On Session
- Description: (empty text area)
- User: Add
- Login Name: (empty text input)
- Access to the Group: (empty dropdown menu)
- User Login Name*: cristr
- Search For User: Search For User button
- Crist Rachael (dropdown menu)
- Access to the Group*: read
- Save | Cancel buttons

A blue button labeled 'Add Collaboration Group' is located at the bottom right of the form area. The footer contains 'CONTACT US', 'PRIVACY NOTICE', 'DISCLAIMER', and 'ACCESS' links.

Submit Data into caNanoLab: Sample Access

1. Search for the sample previously created and select to Edit the sample
2. Select *General Information*
3. Select to Add Access to the sample
4. Select *Access by Collaboration Group*
5. Search for the new *Collaboration Group* and select
6. Select *Read* access and save
7. Submit the sample for review to make publicly accessible

The screenshot displays the caNanoLab interface for editing a sample. The left sidebar contains a navigation tree with 'GENERAL INFO' highlighted. The main content area is titled 'Update Sample Submission Demo Sample' and includes a 'Back' button. Below the title is a warning: '* Please use the back button located above. The browser back button will not function properly.' The form contains several sections: 'Sample Name' (text input), 'Point of Contact' (table with columns for Primary Contact?, Contact Person, Organization, and Role), 'Keywords' (text input), and 'Access to the' (dropdown menu). The 'Access Information' section is expanded, showing 'Access by' (radio buttons for Collaboration Group and User), 'Collaboration Group Name' (text input with a search button), and 'Access to the' (dropdown menu). At the bottom of the form are 'Delete' and 'Copy' buttons. A blue callout box labeled 'Sample Access' is positioned at the bottom right of the screenshot.



View MyWorkspace and MyFavorites

1. View MyWorkspace
2. View MyFavorites
 1. Search for NCL-23 using the Sample Search
 2. In the search results, select to add NCL-23 to favorites
 3. View *My Favorites*

My Workspace

Actions	Sample Name	Sample Submission Status	Created Date	Sample Access
View Edit	Demo-Dendrimer-Example	In Draft	1/8/15	(Owner, Shared by: Curator)
View Edit	Demo-Dendrimer	In Draft	1/8/15	(Owner, Shared by: Curator)
View Edit	caNanoLab_Demo	In Draft	1/13/15	(Owner, Shared by: Curator)
View Edit	Demo-NCL-8	In Draft	9/24/15	(Owner, Shared by: Curator)
View Edit	Sample Submission Demo	In Draft	10/8/15	(Owner, Shared by: Curator)

Actions	Protocol Name	Protocol Submission Status	Created Date	Protocol Access
View Edit	NIST - NCL Joint Assay Protocol, PCC-6	Retracted	12/8/10	(Owner, Shared by: Curator, Public)
View Edit	NIST - NCL Joint Assay Protocol, PCC-7	Approved	12/8/10	(Owner, Shared by: Curator, Public)
View Edit	NIST - NCL Joint Assay Protocol, PCC-10	Approved	12/8/10	(Owner, Shared by: Curator, Public)
View Edit	NIST - NCL Joint Assay Protocol, PCC-8	Approved	12/8/10	(Owner, Shared by: Curator, Public)
View Edit	NIST - NCL Joint Assay Protocol, PCC-9	Approved	12/8/10	(Owner, Shared by: Curator, Public)
View Edit	NIST - NCL Joint Assay Protocol, PCC-11	Approved	12/8/10	(Owner, Shared by: Curator, Public)

MyWorkspace

My Favorites

Actions	Sample Name	Nanomaterial Entity Description
View Edit Remove from Favorites	NCL-23-1	G4.5 COONa terminated PAMAM dendrimer-Magnevist® complex

Actions	Protocol Name	Protocol File Title
View Edit Remove from Favorites	NIST - NCL Joint Assay Protocol, PCC-1	Measuring the Size of Nanoparticles in Aqueous Media Using Batch-Mode Dynamic Light Scattering

Actions	Publication Title
View Edit Remove from Favorites	Challenges for nanoparticle characterization.

MyFavorites



Perform an Advanced Search

1. Perform an advanced search
 1. Search for dendrimers with a size between 5 and 10 nanometers

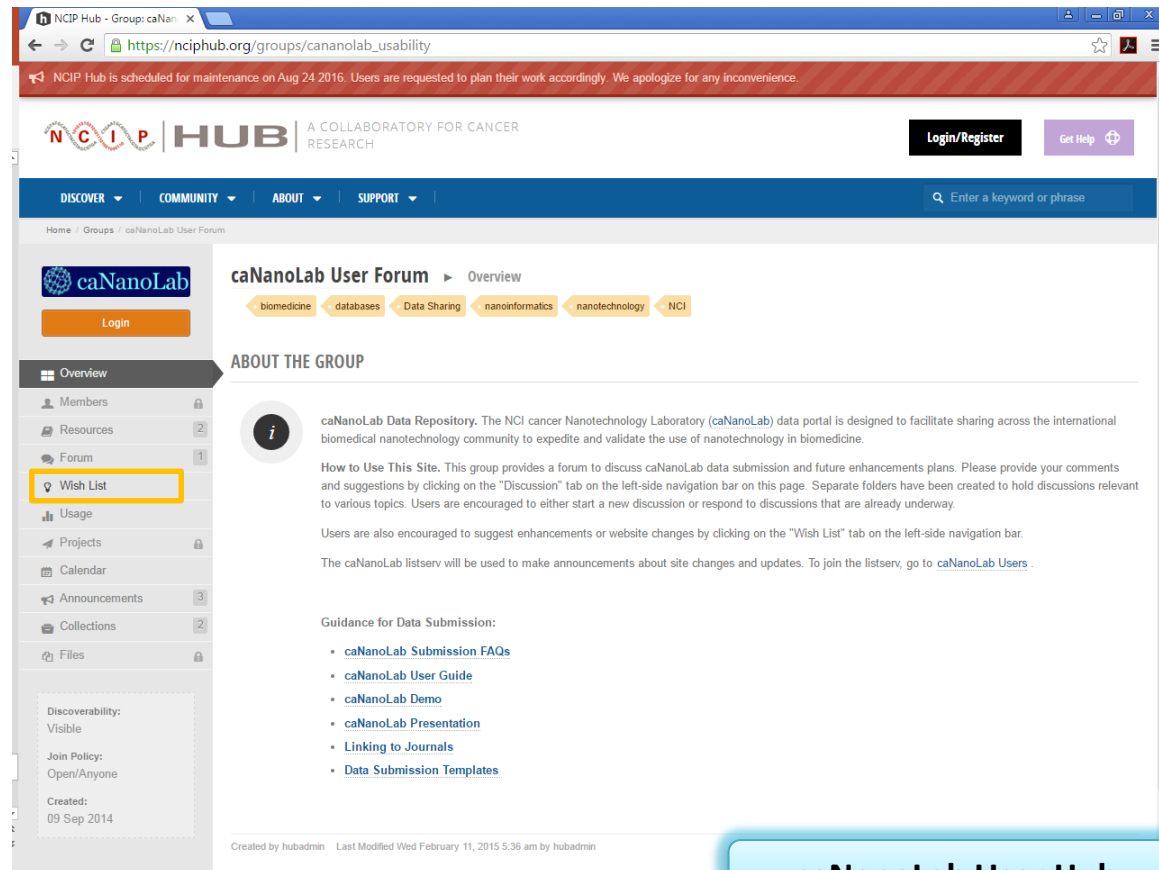
The screenshot displays the caNanoLab Advanced Sample Search interface. The page is titled "Advanced Sample Search" and includes a navigation menu with options like HOME, WORKFLOW, PROTOCOLS, SAMPLES, PUBLICATIONS, GROUPS, CURATION, MY WORKSPACE, MY FAVORITES, and LOGOUT. The search criteria are organized into three sections:

- Sample Criteria:** Includes dropdown menus for selection and a text input field, with "Add" and "Reset" buttons.
- Composition Criteria:** Shows "nanomaterial entity" set to "dendrimer" with an "Edit" button. It also includes dropdown menus and a text input field, with "Add" and "Reset" buttons.
- Characterization Criteria:** Shows "physico-chemical characterization" with "size" between 5 and 10 nm. It includes "Edit" buttons for each criterion. Below this section are dropdown menus and "Add" and "Reset" buttons.

At the bottom of the search criteria section, there are radio buttons for "AND" and "OR" selection. A note states "Searching without any parameters returns all samples." and "Reset Search" buttons are located at the bottom right. A blue callout box labeled "Advanced Search" is overlaid on the bottom right of the screenshot.

Submit a Defect or New Feature Request

1. Navigate to the caNanoLab User Forum:
https://nciphub.org/groups/cananolab_usability/
2. Select the *Wish List*
3. Add a *Wish*



The screenshot shows the NCIP Hub website for the caNanoLab User Forum. The browser address bar displays https://nciphub.org/groups/cananolab_usability/. A red banner at the top indicates maintenance on Aug 24, 2016. The site header includes the NCIP HUB logo and navigation links for Login/Register and Get Help. The main navigation bar contains Discover, Community, About, and Support. The left sidebar navigation menu is expanded, with 'Wish List' highlighted in a yellow box. The main content area shows the 'caNanoLab User Forum' overview, including a description of the Data Repository, usage instructions, and a list of links for data submission guidance.

caNanoLab User Hub



Resources



- caNanoLab Portal
 - <https://cananolab.nci.nih.gov>
- caNanoLab Wiki
 - <https://wiki.nci.nih.gov/display/caNanoLab/caNanoLab+Wiki+Home+Page>
- caNanoLab Usability Group
 - https://nciphub.org/groups/canolab_usability/
- caNanoLab ListServ
 - CANANOLAB-USERS-L-request@LIST.NIH.GOV