

CNMS Online Proposal Submission Tips – 9/12/19

To submit or view your submitted proposal go to <https://cnmsproposal.ornl.gov>

ORNL Collaboration Login

Resources

Sign in with your ORNL Collaboration Login or Email and Password

Username or Email

Password

☐ Remember my Username

Sign In

Need an Account?

Forgot your password?

If you need assistance, please contact the Center for Nanophase Materials Sciences User Office at cnmsuser@ornl.gov.

OAK RIDGE National Laboratory

Security Notice

Follow this link to create an account

OAK RIDGE National Laboratory | CENTER FOR NANOPHASE MATERIALS SCIENCES

Proposal home page

Overview

The [CNMS Website](#) provides detailed descriptions of specific research capabilities that are offered to users:

- [Bio Inspired Nanomaterials](#)
- [Macromolecular Nanomaterials](#)
- [Chemical Imaging](#)
- [Electron and Atom Probe Microscopy](#)
- [Nanomaterials Theory Institute](#)
- [Scanning Probe Microscopy](#)
- [Nanofabrication](#)
- [Inorganic and Hybrid Nanomaterials Synthesis](#)
- [Nanomaterials Characterization](#)

Prospective users are invited and strongly encouraged to contact [CNMS staff members](#) to discuss their proposal ideas and learn more about the specific capabilities. Proposals that require capabilities from more than one area are encouraged, as are requests for theory/modeling/simulation support for experimental projects.

Access to CNMS facilities will be determined through a peer-reviewed proposal process according to the [review criteria](#). CNMS management will allocate facility time to approved proposals considering the prioritization established by the [Proposal Review Committee](#) and the availability of resources.

Create a Proposal

Click "Create a Proposal" to start the submission process

OAK RIDGE National Laboratory | CENTER FOR NANOPHASE MATERIALS SCIENCES

Proposal System QA Environment

New Proposal

General Information	Participants	Facilities, Samples, Hazards	Categories, Funding	Reviewers	Research Description
Select the type of proposal that you will be submitting					
General	User-initiated nanoscientific research with closing dates in May and August				
Rapid Access	User-initiated nanoscientific research with rapid turnaround times and have an expedited review process				
Programmatic	User-initiated nanoscientific research program - an ORNL challenge				
Proprietary	User-initiated nanoscientific research with proprietary information and efforts will be made to protect the information				

Proposal Submission Guidelines

Please read the following guidelines to make sure you understand the expectations for submitting research proposals to the CNMS.

- First, familiarize yourself with the [CNMS Proposal Process](#)
- You will need to provide a two-page CV (NSF-style or similar) for the Principal Investigator only.
- You can save your proposal at any time and come back later to edit and complete, but don't forget to Submit your proposal via the "Review and Submit" tab.
- All fields, unless indicated as optional are required. You will be notified when saving if your information is incomplete and will be given the opportunity to correct.
- Once submitted, your proposal can no longer be edited. If you need to make changes, please contact the CNMS User Office at cnmsuser@ornl.gov

Close

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Research Description

Proposal Type

General

Rapid Access

Programmatic

Proprietary

User-initiated nanoscience research that will make effective use of CNMS facilities and staff expertise. The CNMS opens general proposal calls twice per year with closing dates in May and October.

User-initiated nanoscience research that request support for time-sensitive studies and require only a limited amount of CNMS resources, typically not more than 5 days and have an expedited peer review process. Accepted year round and may be approved at any time at the discretion of the CNMS Director.

User-initiated nanoscience research in support of a sponsored program at ORNL in which the full costs of CNMS support will be recovered from the sponsoring program – an ORNL charge # is required to submit.

User-initiated nanoscience research that utilizes these unique facilities to benefit the national economy. Full cost recovery will be obtained for proprietary research, and efforts will be made to secure appropriate intellectual property control.

Title of proposal

The Best User Proposal Ever

Is this a partner user proposal?

Yes

No

Discard Changes

Save

Save and Continue

Select the Proposal Type. "General" will only be shown when a call is open.

Click "Save and Continue" to advance to the next section

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Proposal [CNMS2028-B-00038]

Draft

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Research Description

Review and Submit

Principal Investigator

No principal investigator has been identified. The principal investigator is responsible for progress of the project and primary point of contact for all correspondence from CNMS.

Identify Principal Investigator

Collaborators

No collaborators have been identified. List everyone who will participate in this project, including students, postdocs, etc. Only the PI and participants named below will be eligible for an ORNL badge authorized through this project.

Add a Collaborator

Continue

Identify the Principle Investigator and collaborators on this tab. A PDF copy of the PI's CV needs to be uploaded before moving to the next section. The PI and/or collaborator(s) must participate on-site and/or utilize computational resources.

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General Information Participants

Principal Investigator

No principal investigator has been identified. The

Identify Principal Investigator

Collaborators

No collaborators have been identified. List everyone authorized through this project.

Add a Collaborator

Add Principal Investigator

☐ Assign me as Principal Investigator

Email Address (enter and press tab to search)

First/Given Name

Last Name/Surname

☐ The Principal Investigator will participate on-site at ORNL and/or will utilize CNMS computational resources

Select Principal Investigator institution/employer

Cancel Submit Principal Investigator

Continue

Information needed to add the Principal Investigator. If you are the PI select "Assign me as Principal Investigator" and your information will be auto populated.

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Principal Investigator

On-site **PI's Info** Edit or Delete

You must provide a two-page CV (NSF-style or similar) for the Principal Investigator.

Select a PDF file to upload

Collaborators

No collaborators have been identified. List everyone who will participate in this project, including students, postdocs, etc. Only the PI and participants named below will be eligible for an ORNL badge authorized through this project.

Add a Collaborator

Discard Changes Save Save and Continue

Upload a PDF copy of the PI's CV (NSF style or similar)

Click "Save and Continue" to advance to the next section.

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General Information Participants

Principal Investigator

Lokitz, Bradley
Oak Ridge National Laboratory
lokitzbs@ornl.gov

Curriculum Vitae
CV_Sample.pdf

Collaborators

No collaborators have been identified. List every collaborator authorized through this project.

Add a Collaborator

☐ Assign me as a collaborator

Email Address (enter and press tab to search)

First/Given Name

Last Name/Surname

☐ This collaborator will participate on-site at ORNL and/or will utilize CNMS computational resources

Select collaborator institution/employer

Cancel Submit Collaborator

Discard Changes Save Save and Continue

Information needed to add collaborators. If you are a collaborator select "Assign me as a collaborator" and your information will be auto populated.

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Facilities

No facilities have been selected. Please use the Select Facilities button to select any facilities you intend to utilize for this proposal.

Select Facilities

Do you need to identify other facilities? Yes No

Samples and Hazards

Research samples used in this project will be:

Synthesized at CNMS

Supplied by user with additional processing at CNMS

Wholly supplied by user, only characterized at CNMS

I have special sample handling requirements (e.g., air- or light-sensitive materials, etc.)

Provide a brief description of ALL materials (samples, supplies, and equipment) that you plan to bring to CNMS. Materials and equipment that are not specifically listed here will not be allowed into CNMS. Include common name and chemical formula if applicable.

Continue

ps://cnmsproposalqa.ornl.gov/proposal/38/general

Clicking on "Select Facilities" opens up a drop down list of CNMS capabilities

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Do you need to identify other facilities not listed that you want to use?

Yes ☐ No ☒

Samples and Hazards

Research samples used in this project will be:

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Select Facilities

Physical Property Measurement System (PPMS)

Synthesis of Nanomaterials by CVD, PLD with in situ diagnostics – 2D TMCs, graphene; 1D SWNTs, NT Arrays, NWs; NPs, SWNHs

Wet/Dry Assembly of Organic/Inorganic/Hybrid Films and Devices – dual glovebox evaporator, Sonospray, 2D stamping, perovskite PV

Macromolecular Nanomaterials

500 MHz Solution NMR Spectroscopy

Deuterated monomers, polymers, ionic liquids, and specialty molecules

☒ Macromolecular characterization- molecular weight, spectroscopy, scattering, thermal analysis, MALDI-ToF MS/MS, broadband dielectric spectroscopy

Polymer synthesis (Anionic, radical, cationic, and step growth polymerizations; composite materials)

Synthesis of novel monomers and precursors

Thin Film Characterization- ellipsometry, FTIR-ATR, FTIR microscopy, contact angle goniometer

Nanofabrication Research Laboratory

3D Direct-Write Fabrication

Advanced SEM with EDS (Zeiss Merlin)

DualBeam SEM/FIB

Cancel Submit Selections

Research Description Review and Submit

Continue

Drop down list with Macromolecular characterization selected

Click "Submit Selections" when you are done selecting the needed facilities.

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Requested days of usage

Change Facility Selection

Do you need to identify other facilities not listed that you want to use?

Yes ☐ No ☒

Samples and Hazards

Research samples used in this project will be:

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Supplied by user with additional processing at CNMS

Wholly supplied by user, only characterized at CNMS

I have special sample handling requirements (e.g., air- or light-sensitive materials, etc.)

Provide a brief description of ALL materials (samples, supplies, and equipment) that you plan to bring to CNMS. Materials and equipment that are not specifically listed here will not be allowed into CNMS. Include common name and chemical formula if applicable.

(Optional) Description of materials

Select any hazard indicators that apply to the above materials.

(Optional) List any other hazards not identified above

Discard Changes Save Save and Continue

The number of days requested for each facility must be entered

You can add or remove selected facilities by clicking on "Change Facility Selection" If you select facilities from multiple groups you will need to identify a lead group.

You must select at least one.

You must select at least one from the drop down list. Hitting the "Esc" or "Tab" key or clicking off the menu closes it.

Click "Save and Continue" to advance to the next section

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Categorization

Select one or more subjects that apply to this project.

Polymers

(Optional) List any other subjects applicable to this project that are not identified above.

Funding

Select one or more sources of support that apply to this project.

DOE, Basic Energy Sciences

Occasionally, an approved CNMS user may not be able to utilize their full time allocation because they do not have sufficient funding in place. The information requested below will be used only to help us anticipate how much potential unclaimed time may become available to support additional user projects. It will not affect the outcome of the review process. Please check.

Funding Obtained

Awaiting Funding

(Proposal team members have research grant(s) already in place that is/are sufficient to support their participation in this project.)

(We have submitted proposal(s) to the following agencies to request funding that will be needed to support our participation.)

Discard Changes

Save

Save and Continue

Required Information

Click "Save and Continue" to advance to the next section

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Keywords

List a few keywords pertaining to this proposal to help in matching potential reviewers

polymers, MALDI-TOF

Suggested CNMS Committee Reviewers

You may suggest up to 5 of the most suitable reviewers from the current [CNMS Proposal Review Committee](#).

(Optional) Select CNMS Review Committee members. Enter part of a name to filter list.

Excluded CNMS Committee Reviewers

You may select members of the [CNMS Proposal Review Committee](#) to exclude due to a potential conflict of interest.

(Optional) Select excluded CNMS Review Committee members. Enter part of a name to filter list.

Other Suggested Reviewers

Discard Changes

Save

Save and Continue


Continue

keywords are required

You can suggest or exclude members of the CNMS review committee using drop down lists

Click "Save and Continue" to advance to the next section

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Description of Proposed Research

(Optional) Upload a PDF with supporting images and/or figures that are labeled and referenced in the your responses.

Select a PDF file to upload

1) What is/are the main scientific or technological question(s) that you plan to address?

0 of 12,000 characters

2) Outline the overall technical approach that you plan to use to address the above questions. This section should provide the context for research tasks described below in sections (3), home institution activities, and (4), CNMS research.

0 of 12,000 characters

3) What research tasks will be carried out at the users' home institution or elsewhere outside of the CNMS? Include any preliminary syntheses, measurements, or tests that have been/will be performed in preparation for the proposed research at the CNMS.

170 of 12,000 characters

4) Describe very clearly and specifically the research tasks to be carried out at the CNMS and the expected outcomes from the CNMS tasks. Include any technical milestones that must be met and the need for specialized capabilities and/or expertise at the CNMS for the research to be successful. (This should be the longest and most detailed section in the proposal)

170 of 12,000 characters

5) Provide an overall timeline for the CNMS tasks and describe how each facility/instrument that was selected will be used, including estimates of the number/quantities of samples, instrument time, CPU time, etc.

170 of 12,000 characters

6) What is your team's specific experience and expertise relevant to this research project?

170 of 12,000 characters

(Optional) Literature cited above

Publications

Have you had any previous CNMS project(s), including SHaRE?

Yes

No

Enter up to 10 publications from your past projects

Discard Changes

Save

You can use up to 12,000 characters to answer questions 1 through 6. You can upload a single PDF with all of your supporting figures and graphs. Figures and graphs should be labeled and referenced in your responses to the questions.

If you have had previous CNMS projects please indicate that here and list up to 10 prior publications resulting from those projects.

Remember to click "Save" when you are done or if you want to save the proposal as a draft and finish it later.

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Review and Submit

Principal Investigator Agreement

☒ By submitting this proposal, I certify that:

- The information provided herein is correct to the best of my knowledge
- The Principal Investigator intends to publish the results of this research
- I agree to acknowledge the CNMS in all publications resulting from the use of the facility.
- I agree to send a timely draft of all manuscripts to all ORNL co-authors for review prior to submission.
- I agree to send a copy of resulting publications to the CNMS User Coordinator.

The "Review and Submit" tab displays the proposal summary. Clicking "View as PDF" opens a separate window with a PDF version of the proposal summary which can be saved and printed. Clicking "Submit Proposal" submits the proposal to the CNMS User Office.


Proposal Type

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After submission, you will no longer be able to make changes to this proposal. Are you sure you want to proceed?

Yes, Submit this proposal

No, stay here

Status

View as PDF

Submit Proposal

After clicking "Submit Proposal" a pop up box will appear letting you know that you will no longer be able to make changes after you submit the proposal. Select "Yes, Submit this proposal" to submit or "No, stay here" to cancel. If you cancel you can still save your work and submit the proposal at a later time.

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General Information

Proposal Number

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Author

3V3 [lokitzbs@ornl.gov]

Proposal Type

General

Status

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Title of proposal

The Best User Proposal Ever

CNMS staff members contacted to discuss

None

Your proposal has been submitted. You will be notified after the review process has been completed.

Continue

Once you Select "Yes, Submit this proposal" a pop up box will confirm the proposal has been submitted.

Participants

View as PDF

Submit Proposal

