

CNM - Early Access Proposal

[Early Access Policy](#) | [FAQs](#) | [Logout](#) |

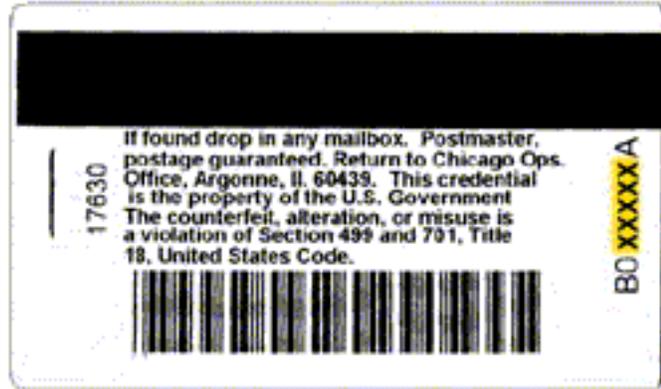
Your badge number appears on the back of your badge, below and to the right of the magnetic strip. Use the third through seventh digits of this number.

Logon

Badge No.:

Password:

[Forgot password](#)



New to CNM ? Then register through the [User facilities registration system](#) to obtain or activate your badge number.

[Questions/Comments](#) | [Security/Privacy Notice](#)

CNM Early Access Proposal - Main Menu

[Early Access Policy](#) | [FAQs](#) | [Logout](#) |

[Create New Proposal](#)
[Edit/View Existing Proposal](#)

[Questions/Comments](#) | [Security/Privacy Notice](#)

[Log Out](#)

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

General

CNM :	User : 53146
<p>Title _____</p> <p>Proposal Type <input type="radio"/> Individual <input type="radio"/> Program</p> <p>Total lifetime days required for entire experiment _____</p> <p>Total number of cycles (Max 3) _____</p> <p>Number of visits in entire program _____</p> <p>Scientific Theme : Select the appropriate thrust area associated with your experiment.</p> <p><input type="radio"/> Bio-Inorganic Interfaces <input type="radio"/> Nanomagnetism <input type="radio"/> Lithography</p> <p><input type="radio"/> Complex Oxides <input type="radio"/> Nanophotonics <input type="radio"/> X-Ray Nanoprobe</p> <p><input type="radio"/> Nanocarbon <input type="radio"/> Theory and Simulation</p> <p>Are you collaborating with CNM personnel in performing this work or experiment ? <input type="radio"/> Yes <input type="radio"/> No</p> <p>Do you plan to perform this work or experiment with assistance from CNM personnel (Prior permission is required to work without assistance) ? <input type="radio"/> Yes <input type="radio"/> No</p> <p>Is it acceptable to disclose scientific content of this proposal to CNM personnel prior to experimental approval ? <input type="radio"/> Yes <input type="radio"/> No</p> <p>Have you contacted CNM scientific staff to discuss the feasibility of your proposal ? <input type="radio"/> Yes <input type="radio"/> No</p> <p>Contact Name _____</p>	
Next	
<p>Pressing SAVE will allow you to save this proposal and continue to make changes.</p>	
<p>Pressing SUBMIT will save this proposal and send email notifications to CNM. It cannot be edited thereafter.</p>	

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

ANL

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

- General
- Experimenters**
- Abstract
- Description Of Research
- Safety
- Instru

CNM : 38

Principal Investigator: [Find](#)

Badge:		First Time User:	<input type="checkbox"/>		
Title		First Name		MI	
Phone		Fax		Email	
Affiliation					
Street					
City		State		Zip	
Country					

Delete		Badge (If available)	First Time User	Title	First	MI	Last
	Find		<input type="checkbox"/>				
	Find		<input type="checkbox"/>				
	Find		<input type="checkbox"/>				
	Find		<input type="checkbox"/>				

[Previous](#)

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

- General
- Experimenters
- Abstract
- Description Of Research
- Safety
- Instru

CNM : 38

You may type your abstract in the space below.
--- Maximum 2000 characters (approx. 250 words) ---

Characters Remaining :

[Previous](#)

Pressing **SAVE** will allow you to save this proposal and continue to make changes.

Pressing **SUBMIT** will save this proposal and send email notifications to CNM. It cannot be edited thereafter.

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

[General](#)[Experimenters](#)[Abstract](#)[Description Of
Research](#)[Safety](#)[Instru](#)

CNM : 38

Please type your research description in the space below or attach **PDF** document(s) to this proposal

[Click here to attach/detach files](#)

Please provide sufficient details about your program or experiment to justify your time request. (limit pages)

The writeup must include the following :

- Complete description of the proposed experiment, which should identify the instrument needed, its capabilities and the scientific theme to which it belongs.
- Scientific impact/justification for the proposed experiment.
- Expected accomplishments

In addition, please attach the following as PDF files :

- A short (2-page) CV from the principal investigator and half-page biographies of up to two Co-Investigators
- A brief listing of relevant publications

Characters Remaining :

[Previous](#)

<p>Pressing SAVE will allow you to save this proposal and continue to make changes.</p>	<input type="button" value="Save"/>
<p>Pressing SUBMIT will save this proposal and send email notifications to CNM. It cannot be edited thereafter.</p>	<input type="button" value="Submit"/>
<p style="text-align: center;"><input type="button" value="Generate Report"/></p>	

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

ANL

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

[General](#)[Experimenters](#)[Abstract](#)[Description Of
Research](#)[Safety](#)[Instru](#)

CNM : 38

Will this experiment involve a Class 3 or Class 4 laser ? (

Will this experiment involve the use of carcinogens, mutagens, or teratogens ? (

If yes, please identify the chemicals |

Will you be bringing human tissue/materials/cells to the CNM ? (

If yes, have these samples been approved by your home institution's Institutional Review Board ? (

Will you be bringing samples that fall under Biosafety Level 2,3 or 4 ? (

Will you be bringing samples with agents that fall under the list of select etiological agents ? (see the [List Of Agents](#) covered under appendix A 42 CFR 72.6) (

Research samples used in this project will be :

Synthesized at CNM Supplied by user with additional process at CNM Wholly supplied by user, only characterized at CNM

Additional Safety Comments : (limit 500 characters)

[Previous](#)

Pressing SAVE will allow you to save this proposal and continue to make changes.

Pressing SUBMIT will save this proposal and send email notifications to CNM. It cannot be edited thereafter.

[Generate Report](#)

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

ANL

CNM - Early Access Proposal

[Main Menu](#) | [Search Criteria](#) | [Early Access Policy](#) | [FAQs](#) | [Logout](#) |

General

Experimenters

Abstract

Description Of Research

Safety

Instr

CNM : 38	Use
-----------------	-----

Select the capabilities you will use for your proposed visit to CNM (this cycle only)

<p>Bio-Inorganic Interfaces</p> <ul style="list-style-type: none"> <input type="checkbox"/> Synthesis of metal nanoparticles <input type="checkbox"/> Synthesis of metal oxide nanoparticles <input type="checkbox"/> Synthesis of quantum dots <input type="checkbox"/> Surface modification of nanoparticles <input type="checkbox"/> Post-self-assembly processing <ul style="list-style-type: none"> <input type="checkbox"/> external field <input type="checkbox"/> ultrasound <input type="checkbox"/> dip-coating <input type="checkbox"/> spin-coating <input type="checkbox"/> Radiolysis system <input type="checkbox"/> Thermal analysis <input type="checkbox"/> Rheological analysis <input type="checkbox"/> Electrochemical analytical system <input type="checkbox"/> Electron paramagnetic resonance <input type="checkbox"/> Collaboration on access to synchrotron capabilities 	<p>Nanomagnetism</p> <ul style="list-style-type: none"> <input type="checkbox"/> Scanning probe microscope <ul style="list-style-type: none"> <input type="checkbox"/> Contact or tapping mode <input type="checkbox"/> Magnetic Force <input type="checkbox"/> X-Ray diffractometer <input type="checkbox"/> UHV growth chamber <input type="checkbox"/> SQUID magnetometer <input type="checkbox"/> PPMS magnetometer and magnetotransport <input type="checkbox"/> Alternating gradient magnetometer <input type="checkbox"/> Vibrating sample magnetometer <input type="checkbox"/> Brillouin spectrometer <input type="checkbox"/> Raman spectrometer <input type="checkbox"/> Normal and diffracted magneto-optic Kerr effect 	<p>Lithography</p> <ul style="list-style-type: none"> <input type="checkbox"/> Raith 150 <input type="checkbox"/> Karl Suss MA6 aligner <input type="checkbox"/> Oriel exposure tool <input type="checkbox"/> Plasma Sciences reactive etcher <ul style="list-style-type: none"> <input type="checkbox"/> O2 <input type="checkbox"/> CH4 <input type="checkbox"/> CF4 <input type="checkbox"/> CHF4CF3 <input type="checkbox"/> CHClF2 <input type="checkbox"/> Barrel asher system <ul style="list-style-type: none"> <input type="checkbox"/> O2 <input type="checkbox"/> Ar <input type="checkbox"/> N2 <input type="checkbox"/> CF4 <input type="checkbox"/> Resist processing: spin coat and bake <input type="checkbox"/> Wet etching <input type="checkbox"/> Silicon anisotropic etching, membrane fabrication <input type="checkbox"/> Electroforming <ul style="list-style-type: none"> <input type="checkbox"/> Au <input type="checkbox"/> Pt <input type="checkbox"/> Cu <input type="checkbox"/> Ni <input type="checkbox"/> Tencor Alpha Step 500 profilometer <input type="checkbox"/> Filmetrics reflectometer
--	---	--

<p>Complex Oxides</p> <ul style="list-style-type: none"> <input type="checkbox"/> MOCVD of PbZrxTi1-xO3 <input type="checkbox"/> CSD of PbZrxTi1-xO3 <input type="checkbox"/> Electron-beam evaporation <ul style="list-style-type: none"> <input type="checkbox"/> Pt <input type="checkbox"/> Au <input type="checkbox"/> Al <input type="checkbox"/> Other <input type="checkbox"/> X-ray diffractometer <ul style="list-style-type: none"> <input type="checkbox"/> Powder theta-theta <input type="checkbox"/> High resolution four-circle <input type="checkbox"/> Reflectivity <input type="checkbox"/> Electrical characterization <input type="checkbox"/> Scanning probe microscope <ul style="list-style-type: none"> <input type="checkbox"/> Contact or tapping mode <input type="checkbox"/> Piezoforce 	<p>Nanophotonics</p> <ul style="list-style-type: none"> <input type="checkbox"/> Aperture NSOM <ul style="list-style-type: none"> <input type="checkbox"/> CW laser excitation <input type="checkbox"/> ultrafast laser excitation <input type="checkbox"/> Apertureless NSOM <ul style="list-style-type: none"> <input type="checkbox"/> CW laser excitation <input type="checkbox"/> ultrafast laser excitation <input type="checkbox"/> Ultrafast transient absorption 	<p>X-Ray Nanoprobe</p> <ul style="list-style-type: none"> <input type="checkbox"/> Collaboration on access to synchrotron microbeam techn <ul style="list-style-type: none"> <input type="checkbox"/> Scattering Diffraction <input type="checkbox"/> Fluorescence <input type="checkbox"/> Transmission <input type="checkbox"/> Early nanoprobe instrumer
<p>Nanocarbon</p> <ul style="list-style-type: none"> <input type="checkbox"/> Collaboration on access to synchrotron capabilities <input type="checkbox"/> PECVD <input type="checkbox"/> Photochemical functionalization <input type="checkbox"/> Electrochemical functionalization <input type="checkbox"/> Electrodeposition <input type="checkbox"/> Cyclic potentiometry <input type="checkbox"/> Double-layer capacitance <input type="checkbox"/> 3-probe cell 	<p>Theory and Simulation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Web-based magneto-optic simulation package <input type="checkbox"/> Time-domain nanophotonics simulation package <input type="checkbox"/> Density-functional-based tight-binding electronic structure package <input type="checkbox"/> MPI-based parallel versions of the nanophotonics and tight-binding codes <input type="checkbox"/> Collaboration on access to LCRC 	

instruments page

<p>Previous</p>	
<p style="text-align: center;">Pressing SAVE will allow you to save this proposal and continue to make changes.</p>	<input type="button" value="Save"/>
<p style="text-align: center;">Pressing SUBMIT will save this proposal and send email notifications to CNM. It cannot be edited thereafter.</p>	<input type="button" value="Submit"/>