

2018-10-9 National Nanotechnology Day

Nano Day is a time to celebrate nanoscale engineering, science, and technology, recognize researchers advancing the field, applaud innovators translating outcomes into valuable products and services, and to increase understanding for its potential to positively impact lives.

Nano Day Sponsors:

UF | NIMET: Nanoscience Institute for
Medical & Engineering Technology
ADVANCING BIG IDEAS WITH SMALL SCIENCE

UF | Research Service Centers
HERBERT WERTHEIM COLLEGE of ENGINEERING

Major Events at Nanoscale Research Facility:

- Nanotech Innovators Panel • Nanotech Facility Open House •
 - Nanotech Research Showcase (Poster Session) •
- 100-Billion-Nanometer Dash • Nanoscale Image Contest •
 - Nanoscale Research Seminars • Nano Trivia Contest •
 - Awards for Best Posters •

Deadlines: Abstract (Oct 3), Poster Print (Oct 3), Image Contest (Oct 6)

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Schedule of Events

Time	Events in the Nanoscale Research Facility (NRF)	
08:00 AM – 9:00 AM	Poster Set Up (<i>NRF Lobby</i>)	
09:00 AM – 9:45 AM	Seminar 1: <i>Nanoparticle Characterization for Biomedical Applications</i> by Dr. Ana C. Bohórquez, Postdoctoral Associate, HWCOE RSC (<i>NRF 115</i>)	
09:45 AM – 10:15 AM	Coffee Break and Networking (<i>NRF Lobby</i>)	
10:15 AM – 11:00 AM	Seminar 2: <i>X-ray Computerized Tomography</i> by Dr. Ed Stanley, Associate Scientist, Florida Museum of Natural History (<i>NRF 115</i>)	
11:00 AM – 11:45 AM	Seminar 3: <i>Device Fabrication</i> by Dr. David Hays, Engineer & Scientist, HWCOE Research Service Centers (<i>NRF 115</i>)	
11:45 AM – 01:00 PM	Poster Lightning Session and Lunch (<i>NRF 115</i>)	
01:00 PM – 02:30 PM	Nanotech Innovators Panel (<i>NRF 115</i>)	
02:30 PM – 04:00 PM	Poster Exhibition: Session 1 (<i>NRF Lobby</i>)	NRF Instrument Labs (*every 30 min)
		Tool Demonstrations: <i>Sign up at NRF front desk</i> a) X-Ray CT & 3D Printer (open to all)* b) SEM – FEI Nova 430 w/EDS & CL (open to all)* c) SEM – Tescan MIRA 3 (open to all)* d) Cleanroom Tour (only faculty – 1 hour)
03:30 PM – 04:00 PM	100 Billion Nanometer Dash! (meet at <i>NRF main door</i>)	
04:00 PM – 05:00 PM	Poster Exhibition: Session 2 (<i>NRF Lobby</i>)	
05:00 PM – 05:30 PM	Nano Trivia Game (<i>NRF Lobby</i>)	
05:30 PM – 07:00 PM	Awards Reception (<i>NRF Lobby</i>)	

Deadlines: Abstract (Oct 3), Poster Print (Oct 3), Image Contest (Oct 5)

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A. Abstract and Poster Submission

Please share with us your most outstanding nanoscale outcomes and even emerging activities related to research on nanoscale science, engineering, and technology. The poster sessions is open to all undergraduate students, graduate students, postdoctoral fellows, staff, and faculty at UF.

- Each prospective participant should **prepare an edited abstract submission form**. The form is available to download from <https://www.eng.ufl.edu/nimet/events/2018-national-nanotechnology-day/2/>. The form will require the following information:
 - Title
 - All authors and their affiliations
 - Presenting author's name and digital photo (headshot)
 - Contact information for the presenting author
 - Name of primary research advisor
 - Contact information for the primary research advisor
 - Category most closely related to the content of the poster.
If more than one apply, please describe your rationale for each.

<i>Category 1 – Nanomaterials</i>	<i>Category 4 – Nanomechanics</i>
<i>Category 2 – Nanochemical</i>	<i>Category 5 – Nanomedicine</i>
<i>Category 3 – Nanoelectronics</i>	<i>Category 6 – Nanoagriculture</i>
 - Abstract (~ 250 words)
 - Identify which laboratory with shared equipment (e.g., the RSCs) was used to enable key elements of the work to be described. If there are pieces of equipment that played a particularly vital role in the success of the work, please name them.
- Deadline to submit Abstract Form: Wednesday, October 3rd, 2018. Send completed poster abstract forms to kveatch@ufl.edu.**
- The size of the posters boards will be 30"x40" and they will be mounted on individual easels. If presenters already have posters that can fit this size well (e.g., 27"x36", etc.), they are welcome to use them.
- Poster Guidelines:
 - The text on the poster should be large enough to easily read at a distance of 3 feet.
 - Ideally the text should describe the content of the poster in a manner that would be clear to a reader in the author's absence. Note, the poster session is split into two sessions with half the authors presenting and the other half reviewing in the first session and then they switch roles in the second session.
 - Be sure to use scale bars on all images!
- Alternatively, if participants would like a poster printed for them at no cost, they will need to:
 - Use the poster template that is available to download from <https://www.eng.ufl.edu/nimet/events/2018-national-nanotechnology-day/2/>
 - Submit the completed poster Abstracts and Posters should be emailed as an attachment to kveatch@ufl.edu with the email subject line "NanoDay Poster Submission".
 - Deadline to submit completed poster for printing: Wednesday, October 3rd, 2018.**
- All posters should be on display by 9:00 a.m. on Tuesday, October 9th and poster authors must be present by their poster sometime between 4:00 p.m. and 5:00 p.m.
- Poster participants are encouraged to attend the Poster Lightning Session / Lunch scheduled between 11:45 AM and 1:00 PM. Although presenters are encouraged to make a 1-slide presentation that they can use to summarize the poster content in ~60 seconds, this is not required. Please email Poster Lightning Session slides to rscinfo@mail.ufl.edu.

8. Award winners in each category will be announced and recognized at the final event on Nano Day.

B. 1st Annual Nano Day Image Competition

Please share with us your most outstanding images of nanoscale science, engineering, and technology, in all their sizes, shapes, and colors. The image competition is open to undergraduate students, graduate students, postdoctoral fellows, staff, and faculty at UF.

There are several categories in which to compete and will receive awards:

Category 1 – Nanomaterials

Category 2 – Nanochemical

Category 3 – Nanoelectronics

Category 4 – Nanomechanics

Category 5 – Nanomedicine

Category 6 – Nanoagriculture

1. Participants should submit an image that demonstrates or highlights nanoscale research performed at UF. Be sure to note which equipment and laboratory was used to prepare the samples and obtain the image. For example, if the Research Service Centers (RSCs) was used, be sure to state that and identify the specific equipment used.
2. There is not a category limit per participant, but one image cannot be submitted for multiple categories.
3. Do not submit any images which have already been published somewhere else. However, you can submit the image if it has been modified. Images should be in a clean format (e.g. no text, symbols, scale bars, borders).
4. Preferred image size: less than 2500 x 2500 pixels, high-resolution version (ideally 300 dpi).
5. Preferred image formats: .png, .tiff, .jpg and .bmp.
6. Preferred file size limit: 10 MB.
7. Copyright: Although NIMET and the Research Service Centers (RSC) will need permission to reproduce the submitted images, the copyright will remain with the originator.
8. To submit your image for the competition, please email rscinfo@mail.ufl.edu, with the email subject line: *Nano Day Image Contest* and include the following information:
 - Image Title
 - Image Description
 - Image Category (if more than one selected, provide rationale for each category)
 - Laboratory used to prepare samples and obtain image
 - Equipment used to prepare samples and obtain image
 - Name of Researcher
 - Name of Advisor
 - Affiliation (College, Department, Institute)
 - Contact Email
9. **Image submission deadline: Saturday, October 6, 2018 (midnight).**
10. Award winners will be announced and recognized at the final event on Nano Day.