

**22nd Annual Conference on  
FOUNDATIONS OF NANOSCIENCE:  
Self-Assembled Architectures and Devices (FNANO25)**



**Monday, April 27 – Thursday, May 1, 2025**

**FNANO25 Webpage:** [www.FNANO.org](http://www.FNANO.org)

**Submission Deadline: February 1, 2025.**

**Conference Registration: Open Jan 2025.**

**Early Registration Deadline: March 5, 2025.**

**FNANO Conference Overview:** This is a yearly conference on the foundations of nanoscience which is designed to provide opportunities for discussion and informal exchange of information and questions. Self-assembly is a central but not exclusive theme: the conference covers a broad range of research into synthetic and natural nanoscale structures, devices and systems.

Key topics include experimental and theoretical studies of self-assembled architectures and devices, at scales ranging from nano-scale to meso-scale.

FNANO spans many traditional disciplines including chemistry, biochemistry, physics, computer science, mathematics, and engineering. It will have a mixture of invited talks by distinguished scientists as well as contributed talks and posters and opportunities for discussions to enhance attendee interaction with the goal of creating a vibrant intellectual community in the areas of nanoscience and self-assembly.

### **Annual Prize Awards:**

**Nadrian Seeman Nanoscience Prize:** This award recognizes life-long achievements by a researcher working in any area of nanoscience. It is awarded each year to recognize and encourage outstanding research in all areas of nanoscience.

**Robert Dirks Molecular Programming Prize:** This award recognizes exceptional early-career achievement by a researcher working in any area of molecular programming, whether theory, experiment, computation, or a combination thereof.

The winners of these prizes will be awarded during an evening session of the upcoming FNANO conference and be invited to give a prize lecture.

### **Travel Support:**

**Seeman Student Travel Awards:** These awards support student travel to ISNCSE's FNANO and DNA conferences, and are chosen based on a combination of quality, novelty and importance of research,

diversity of scientific areas, and connection to Nadrian C. Seeman’s vision broadly defined as “controlling matter with chemical information”.

**NSF Student and Postdoc Travel Awards:** These awards support student and postdoc travel to ISNCSE’s FNANO conference, and are chosen based on a combination of quality, novelty and importance of research, diversity of scientific areas, we encourage underrepresented and minority students and postdocs to apply.

**Volunteer Waived Registration:** Limited (3-4) positions of waived registration may be provided to graduate students who volunteer to work the registration booth and help support the logistics of FNANO.

**Conference Format:** A combination of invited and contributed talks, posters, and open discussion periods.

## CONFERENCE ORGANIZATION:

### General Chairs:

Hao Yan  , ASU Biodesign Institute, Arizona State University, Tempe, AZ

Jacob Majikes  , Microsystems and Nanotechnology Division, NIST, Gaithersburg MD

### Program Chair:

Kurt Gothelf  , Dept of Chemistry and iNANO, Aarhus University, Aarhus, DK

Track	Chair	Affiliation
<b>DNA Nanostructures</b>	<b>Hao Yan</b>   hao.yan@asu.edu	ASU Biodesign Institute, Arizona State University, Tempe, AZ
<b>DNA Nanosystems: Programmed Function</b>	<b>Friedrich Simmel</b>   simmel@tum.de	Dept of Physics, Technical University Munich, Germany
<b>Protein &amp; Viral Nanostructures</b>	<b>Nicole Steinmetz</b>   nsteinmetz@eng.ucsd.edu	Dept. Nanoengineering, UC San Diego, San Diego, CA
<b>Principles and Theory of Self-Assembly</b>	<b>Rebecca Schulman</b>   rschulm3@jhu.edu	Chemical Biomolecular Engineering, Johns Hopkins Univ, Baltimore, MD
<b>Nucleic Acid Nanostructures in Vivo</b>	<b>Bjorn Hogberg</b>   bjorn.hogberg@ki.se	Dept. of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm, Sweden
<b>Chemical Tools for DNA Nanotechnology</b>	<b>Andrew Ellington</b>   ellingtonlab@gmail.com	Chemistry and Biochemistry Dept, Univ of Texas at Austin
<b>Biomedical Nanotechnology</b>	To be announced	

<b>Nanophotonics &amp; Superresolution</b>	<b>Ralf Jungmann</b> ✉ 🏠 jungmann@biochem.mpg.de	Max Planck Institute for Biochemistry, Martinsried, Germany
<b>Synthetic Biology</b>	<b>Alex Deiters</b> ✉ 🏠 deiters@pitt.edu	Dept. Chemistry, Univ. of Pittsburgh
<b>Molecular Machinery</b>	<b>Carlos Castro</b> ✉ 🏠 castro.39@osu.edu	Dept. of Mechanical and Aerospace Engineering The Ohio State University
<b>Computational tools for Nanotech</b>	<b>William Shih</b> ✉ 🏠 William.Shih@wyss.harvard.edu	Dana-Farber Cancer Institute Harvard Medical School