

# NIGMS Mission

The National Institute of General Medical Sciences (NIGMS) supports:

- **Basic research** that increases our understanding of biological processes and lays the foundation for advances in disease diagnosis, treatment, and prevention
- Research in **specific clinical areas** that affect multiple organ systems:
  - For example, anesthesiology, clinical pharmacology, and sepsis
- **Training of the next generation** of scientists and **developing research capacity** throughout the country

# Your PIs Should Contact a Program Officer at NIGMS

## Contacts by Research Area

NIGMS supports basic biomedical research that contributes to the understanding of fundamental cellular and physiological principles. General areas of interest include cell biology, biophysics, genetics, developmental biology, pharmacology, physiology, biological chemistry, biomedical technology, bioinformatics and computational biology. The material below provides details on these areas.

### Biophysics, Biomedical Technology, and Computational Biosciences

- [Bioinformatics and Computational Biology](#)
- [Biomedical Technology](#)
- [Biophysics](#)

### Genetics and Molecular, Cellular, and Developmental Biology

- [Cell Biology](#)
- [Developmental and Cellular Processes](#)
- [Genetic Mechanisms](#)

- <https://nigms.nih.gov/about/Pages/contactbyarea.aspx>



# Examples of NIGMS Program Officer Contact Pages

## Mechanisms of Cell Division

Investigations into the assembly of mitotic and meiotic spindle apparatus components. Areas of interest include kinetochore functions, spindle assembly checkpoints, centrosomes, and chromosome attachment and movement.

[Rita Miller, Ph.D.](#)

Email: [rita.miller@nih.gov](mailto:rita.miller@nih.gov)

[Biographical Sketch](#)

## Bioinformatics

Bioinformatics applications should develop or use new methods and approaches for managing, visualizing, and analyzing complex biomedical data; or use data science methods and tools to deduce information about biological systems.

[Jean Yuan, Ph.D.](#)

Email: [jean.yuan@nih.gov](mailto:jean.yuan@nih.gov)

[Biographical Sketch](#)



# NIGMS Programs Covered in this Meeting

- Support for Research Excellence (SuRE) Program  
<https://www.nigms.nih.gov/about/overview/Pages/SuRE.aspx>
- Maximizing Investigators' Research Award (MIRA)  
<https://nigms.nih.gov/Research/mechanisms/MIRA>
- NIGMS Training and Workforce Diversity Programs  
<https://www.nigms.nih.gov/research-areas/areas-of-research/training-workforce-development-and-diversity>