

# Center for Biomedical Research Biomaterials, Nanomedicine, Drug and Gene Delivery

## Polymers and biomimetic systems for Drug and Gene Delivery

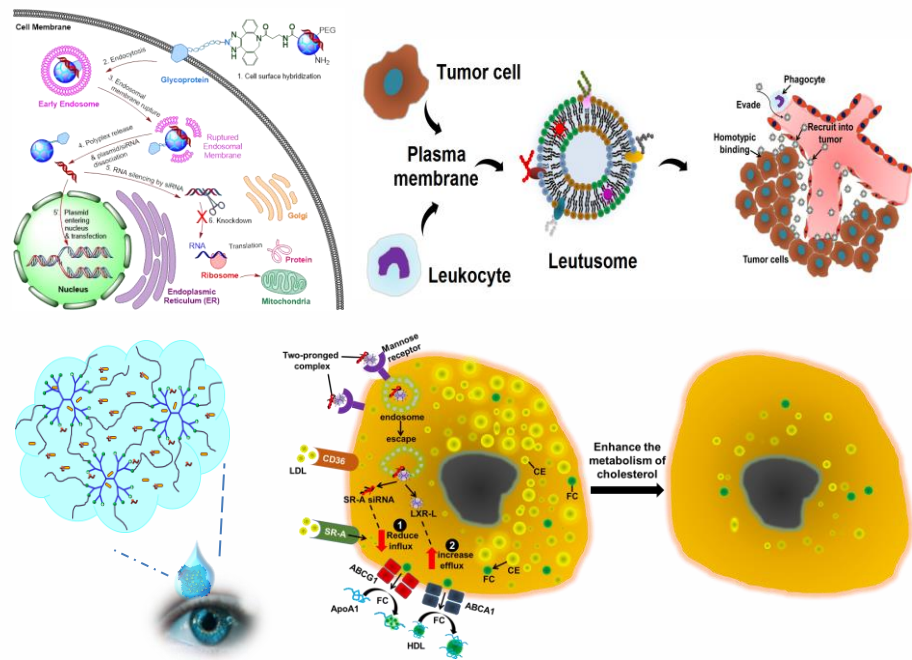
- Controlled release
- Targeted delivery
- Pre-clinical studies

## New Chemistries and Methods for Safe and Scalable Fabrication

- Additive manufacturing
- Continuous production
- Bioorthogonal chemistry, click chemistry, bioconjugation techniques

## Various Delivery Platforms

- Nanomedicine, polymer-drug conjugates
- Nanofibers
- Hydrogels
- Gel particles



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## Funding Sources

- National Institutes of Health
- National Science Foundation

## Keywords

- Biomaterials, Polymer, Drug and Gene Delivery, Nanomedicine

## Recognitions

- NSF CAREER Award
- Wallace H. Coulter Young Investigator Award

## Collaborative Interests

- Tissue engineering, Cancer therapy, Atherosclerosis, Glaucoma, Imaging, Biomanufacturing, Artificial Intelligence