Home Department Lab Rotations
for Biomedical Engineering First Year PhD Candidates

Graduate students interested in applying for a Chemistry of Life Processes (CLP) Training Program Traineeship must rotate through the laboratories of two training program preceptors who hold appointments in Biomedical Engineering before selecting their dissertation advisor. Each rotation must be at least 4 weeks long. The goal of these rotations is to enable students develop insight into potential areas of research and to determine if a lab is a good fit for them. These rotations are mandated by the National Institutes of Health as a condition of participating in the training program.

During the rotation you will have an opportunity to learn about the group’s research projects. You are expected to read relevant papers in the field, including the group publications. You should also attend group meetings and presentations. Finally, the rotation will enable you to learn new methods, approaches and instruments. You will be expected to gain some degree of proficiency in one new technique.

Suggested Rotation Schedule

| Rotation 1 | Start       | Monday, September 18 |
|           | End         | Friday, October 13   |
| Rotation 2 | Start       | Monday, October 23   |
|           | End         | Friday, November 17  |

Time spent over the summer in the lab of a training program preceptor can be used to fulfill one rotation requirement.

Please inform Tiffany Ozmina, the CLP Training Program Coordinator (tiffany.ozmina@northwestern.edu), regarding which labs you would like to rotate through by Friday, September 15th. She can help coordinate your rotations with your preferred preceptors. A signed rotation form will be required with your fellowship application. We recommend that you complete the appropriate form fields upon completion of each rotation.

www.clptrainingprogram.northwestern.edu/
<table>
<thead>
<tr>
<th>Faculty Member</th>
<th>Research Interest</th>
<th>Contact Information</th>
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| Ameer, Guillermo | Bioartificial organ systems, cell delivery and transplantation, tissue engineering. | Office: Tech E354  
Phone: 847-467-6719  
g-ameer@northwestern.edu |
| Backman, Vadim | Biophotonic; nanoscale imaging; optical and molecular technologies for cancer research and diagnosis; biophysics of cellular nanostructure and nanoenvironment; cancer biomarkers. | Office: Silverman Hall 3627  
Phone: 847-491-3536  
v-backman@northwestern.edu |
| Kiser, Patrick | Antiviral agents and drug delivery systems to intercept sexually transmitted viruses at the point of interaction with the genital mucosa and the first target cells infected in the mucosa. | Office: Silverman 4627  
Phone: 847-467-5468  
patrik.kiser@northwestern.edu |
| Meade, Thomas | Coordination chemistry, biological molecular imaging, bio sensors. | Office: Silverman Hall 2504  
Phone: 847-491-2481  
tmeade@northwestern.edu |
| Mirkin, Chad | Developing methods for controlling the architecture of molecules and materials on the 1 - 100 nm length scale. | Office: Ryan 3012  
Phone: 847-467-7302  
chadnano@northwestern.edu |
Phone: 847-467-0472  
Milan.mrksich@northwestern.edu |
| Scott, Evan | Immunoengineering tools that can collectively enhance our understanding of the immunological mechanisms behind vaccination and achieve rationally designed immunomodulation. | Office: Silverman 4613  
Phone: 847-467-6719  
evan.scott@northwestern.edu |
| Stupp, Samuel | Self-assembly of nanostructures as a strategy to create materials with novel functions, ranging from improved electronic properties to enhanced biological activity. | Office: Cook 1127  
Phone: 847-491-3002  
s-stupp@northwestern.edu |
| Szleifer, Igal | Molecular modeling of biointerfaces; complex molecular systems that encompass problems at the interface between biology, chemistry, physics and materials science. | Office: Silverman Hall 4629  
Phone: 847-467-0674  
igalsz@northwestern.edu |
| Van Duyne, Richard | Exploiting the tunability of the localized surface plasmon resonance to act as a signal transduction mechanism for molecular sensing. | Office: Tech K124  
Phone: 847-491-3516  
vanduyne@northwestern.edu |
| Wertheim, Jason | Tissue engineering and regenerative medicine approach to develop organ scaffolds using pluripotent stem/progenitor cells. | Office: 676 N St Clair, #1900  
Phone: 312-695-0257  
jason.wertheim@northwestern.edu |
| Woodruff, Teresa | Regulation of the ovarian follicle by peptide hormones. Mechanisms underlying ovarian follicle development, selection and recruitment; provide new angles on ovarian disease and fertility conservation. | Office: Lurie 10-119  
Phone: 312-503-2503  
tkw@northwestern.edu |