

2008 Nano-Bioengineering REU Application Form

Updated 11 Dec 2007

Name Major Will graduate (MM/YYYY)

Phone number School email

School mailing address Home mailing address

GPA overall GPA in science/math/engineering Gender: M/F

What would you like to do after graduation?

Look over the project descriptions posted on the web site and indicate how interesting each one seems to you.

Project title	Very interested	Could take it or leave it	Not interested
Visual microprocessing chip			
Molecular liftoff			
Nanofluidics: microcapillary array membranes			
X-ray contrast agents for imaging bone microdamage			
Microfluidic channels by electron-beam lithography			
Colloid assembly with DNA linkers			
Characterization of exosomes with nanoparticle tags			
Nanoparticle-protein conjugates			
Nanowire sensors			
Nanostructure architectures for light energy conversion			
Ti-based dyes for solar energy conversion			
Molecular dynamics simulation of solvated metallic nanoparticles			
Solvation dynamics at DNA interfaces			
Computer modeling of microtubule dynamics			

We are awaiting NSF notification on renewal of funding for the international component of this REU. Would you still want to participate in the program if you did not have the option of traveling to Budapest? Y/N

Have you lived in a foreign country before? If so, where, and how long were you there?

Do you have a close relative who is a scientist or an engineer?

If so, describe.

What research opportunities were available to you at your school, and what use have you made of them? If you have done undergraduate research, please describe your project and any talks or papers that ensued.

give an example of a project that you worked on recently—it doesn't need to be a scientific project. Describe your contribution to the project and why you enjoyed it or felt proud of it.

Is there anything else we should know about you?