

## BIOE Internship Reviews

BMES – Fall 2006

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Name: Daye, Dania

Classification: Senior

Email address: [danial@rice.edu](mailto:danial@rice.edu)

Phone Number: 832-434-2000

Internship Type: Research

Paid or not: Yes

Program or Company Name: Howard Hughes Medical Institute Exrop Yale Biostep

Location of Internship: Yale

Description of Experience: During the summer I participated in cellular biology imaging research. There were other research topics and projects available to suit a wide range of interests.

How they applied: I was recommended for the internship by a Rice professor; however, anyone can apply directly to Yale Biostep. The internship is only for minority students.

Website for more information: <http://www.med.yale.edu/omca/programs/biostep.htm>

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Name: Malhotra, Prateek

Classification: Freshman

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Phone Number: 970-227-4718

Internship Type: Research

Paid or not: No

Program or Company Name: Colorado State University Biological Laboratory

Location of Internship: Colorado State University

Description of Experience: It was fun and educational. I was able to work alongside graduate students and professors while conducting actual experiments that may benefit society instead of the classroom setting of labs that mandate one to find known values for laboratory practice.

How they applied: I got in touch with various science professors at Colorado State University and asked if any of them needed lab help.

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Name: Valdez, Joseph

Classification: Senior

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Phone Number: 310-753-0672

Internship Type: Research

Paid or not: Yes

Program or Company Name: AGEP Program

Location of Internship: Rice University

Description of Experience: A program centered on cutting edge research in the sciences as well as informing students about graduate school. Many other events and presentations to inform the students of the many aspects scientists and engineers involve themselves with.

How they applied: Prepared an application through the listed website.

Website for more information: <http://rgs.rice.edu/Grad/agep/>

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Name: Fry, Adrielle

Classification: Senior

Email address: [afry@rice.edu](mailto:afry@rice.edu)

Phone Number: 281-450-5766

Internship Type: Research

Paid or not: Yes

Program or Company Name: Biomedical Engineering Summer Research Internship Program

Location of Internship: Houston

Description of Experience: I have participated for two summers, the first was paid and the second was not. The internship is a wonderful combination of research opportunities and clinical experience. It is through UT, Rice, and MD Anderson. Students go through a cadaver based anatomy course, clinical rotations, and research the first summer, and if they so choose, they can come back the next summer and explore one area more.

How they applied: There are applications available in the beginning of the second semester through bioe classes on campus.

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Name: McUsic, Drew  
Classification: Senior  
Email address: [mcusic@rice.edu](mailto:mcusic@rice.edu)  
Phone Number: (918) 625-7134  
Internship Type: Research  
Paid or not: Yes  
Program or Company Name: NIH, NHLBI  
Location of Internship: Bethesda, MD  
Description of Experience: I participated in the summer research program at the NIH in the National Heart, Lung, and Blood Institute's Laboratory of Cardiac Energetics (Cardiac MRI). The internship was half clinical and half engineering. The clinical half was trying to establish various prevalencies of cardiac tumors and thrombi using the roughly 3000 patient database they've acquired over the last 6 or 7 years. I worked with a physician with expertise in cardiac MRI. The engineering half had to do with developing a new MRI pulse sequence to image myocardial edema associated with acute (but not chronic) myocardial infarction. This required learning MRI physics, helping (minimally) with animal surgeries, and performing scans on the animals. I worked with an engineer with expertise in cardiac MRI. The internship included various optional seminars and instructional workshops (GRE/MCAT study classes, mouse-handling workshop, etc.). The internship also culminated in a poster day where basically all the interns presented their summer findings.  
How they applied: Through the NIH training website.  
Website for more information: <http://www.training.nih.gov/student/sip> ,  
<http://www.training.nih.gov/student/common/handbook.pdf>

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Name: Srikishen, Neel  
Classification: Senior  
Email address: [neelsr@rice.edu](mailto:neelsr@rice.edu)  
Phone Number: 256-468-3048  
Internship Type: Research  
Paid or not: Yes  
Program or Company Name: UAB Department of Physics REU  
Location of Internship: Birmingham, AL  
Description of Experience: Research Experience for Undergraduates program in physics. The coordinator of the project, Dr. Yogesh Vohra, is interested in biomaterials-related projects. My project was to construct an electrospun scaffold for bone tissue engineering. In the same lab I was working, another student was growing diamonds for orthopedic implant coatings. So, although it's technically a physics program, there are lots of projects available that BIOEs might find interesting. I think one of the cooperating centers is the Center for Nanoscale Biomaterials Integration or something like that. Anyhow, it's a good REU program that's been going on for a number of years- they even have money for you to present at conferences, etc.  
How they applied: Online application

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Name: Chen, Allen  
Classification: Junior  
Email address: [Allen.Chen@rice.edu](mailto:Allen.Chen@rice.edu)  
Phone Number: 713-348-7530  
Internship Type: Research  
Paid or not: Yes  
Program or Company Name: Rice University  
Location of Internship: Halas Lab  
Description of Experience: Overall, working in the Halas lab over the summer was a great experience. I worked with an REU student on a collaborative project with the University of Texas Health Sciences Center, and there was another undergrad in the lab working as part of the CONJUNTOS program. I'm currently continuing on the research started this summer.  
How they applied: Although I did not apply through one of these programs, one can apply either through the REU program or CONJUNTOS program. The REU program is offered through the Rice Quantum Institute, and the CONJUNTOS program is through the Laboratory for Nanophotonics.  
Website for more information: <http://nanoigert.rice.edu/conjunto.cfm>

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Name: Horng, Michelle  
Classification: Sophomore/Junior  
Email address: [horngm@rice.edu](mailto:horngm@rice.edu)  
Phone Number: 503.998.1393  
Internship Type: Research  
Paid or not: Yes  
Program or Company Name: BME 2006  
Location of Internship: Rice/MD Anderson/UT school of medicine  
Description of Experience: I thoroughly enjoyed my experience in the BME 2006 program and would do it again in a heartbeat. We were exposed to so many different aspects of the medical field that I never would have had the opportunity to see otherwise. We took a gross anatomy course, shadowed ICU, OR, pediatric, OBGYN, internal medicine, and ER doctors, and were also able to conduct biomedical research.  
How they applied: I filled out an application form online, sent in two recommendation letters, and sent them my college and high school transcripts.

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Name: Mendenhall, Mark  
Classification: Senior  
Email address: [menhall@rice.edu](mailto:menhall@rice.edu)  
Phone Number: 821 264-2294  
Willing to be contacted by other BIOEs?: Yes  
Internship Type: Research  
Paid or not: Yes  
Program or Company Name: UREKA Programme  
Location of Internship: Galway, Ireland  
Description of Experience: This was a 12 week research experience at the National University of Ireland at Galway working at the National Centre for Biomedical Research. I was assigned a research project with the biomaterials group characterizing a thermoresponsive polymer for tissue culture. There were other projects available as well. Overall, this was a great experience for research and an opportunity to work abroad for the summer.  
How they applied: I applied through their website and it only required a resume and cover letter.  
Website for more information: <http://www.ncbes.ie/>