

**Opportunity for Undergraduate Students
interested in applying mathematics and statistics to biological problems**

Summer Program in Computational Biology (SPCB)¹

University of Maryland, Baltimore County (UMBC)

Eight Students will be selected for Summer 2005

Move-In Date: Sunday, June 19, 2005

Program Dates: Monday, June 20 through
Friday, August 12, 2005

Program Structure:

- Preparatory workshops
- Work on a significant research project
- Preparation and delivery of a report and scientific poster

Student scholars select a research topic in:

- Bioinformatics**, under the direction of Professor Roy, or
- Computational Neurobiology**, under the direction of Professor Bell

Program includes various educational and social activities with other undergraduate researchers, including a summer GRE Preparation Course and the 2005 UMBC Summer Undergraduate Research Fest

Student scholars' benefits include

- Paid campus apartment housing
- \$3,500 in summer stipend;
- \$150 for research related supplies;
- Up to \$200 travel stipend for approved scientific meeting or activity
- Office space, computer account, and library access
- Work with senior math and statistics researchers, along with graduate student technical support

Eligibility requirements:

- Be an undergraduate who has earned a minimum of 30 college credits with at least a B average overall and coursework including two semesters calculus, one semester linear algebra, one semester statistics, one semester in biology, chemistry or physics, and some exposure to programming
- Demonstrate an interest in applied mathematical sciences
- Be a Citizen or Permanent Resident of the United States

To Apply – No application is necessary, just send in:

- Transcripts of all post-secondary education (either electronic or paper)
- Two letters of recommendation from educators familiar with your mathematical background
- One to two page, typed statement describing your interests and research experiences

Application deadline: April 30

Send all application materials to:
Dr. Jonathan Bell, SPCB Program Director,
Dept. of Mathematics & Statistics,
UMBC

Baltimore, MD 21250, *or*

Send via email to Dr. Bell at:

jbell@math.umbc.edu

¹ Funded by the National Science Foundation as a Research Experiences for Undergraduates (REU) Site