

# Summer Research Fellowships

**Qualifications:**

Science majors interested in attending graduate school and pursuing a career in biochemistry and molecular biology

**Duration:**

10 weeks  
2<sup>nd</sup> June 2003 to 11<sup>th</sup> August 2003

**Award:**

\$3,000

**Housing:**

Relatively Inexpensive Dormitory  
Rooms Available

**Application Deadline:**

March 1, 2004

**Program:**

Students will participate in active research programs in the following areas:

**Research Areas:**

- Mapping genetic loci underlying osteoporosis
- RNA Viral replication
- Molecular etiology of cancer
- Antitumor agents, apoptosis, and signal transduction
- Gene regulation in eukaryotes
- Biochemistry of glycoproteins
- Molecular mechanisms of gamete maturation
- Molecular biology and genetics of aging
- Biochemistry of detoxication
- Structure and function of protein-protein complexes
- Metabolism of fatty acids and vitamins
- Nutrition and gene expression
- DNA methylation and epigenetics in mammals
- Protein-DNA interactions
- Vitamin deficiency and birth defects

Information about the Department of Biochemistry & Molecular Biology and an on-line application form can be found on the Internet at: <http://www.uams.edu/biochem/SumResearch.htm>

**How to Apply:**

*Submit the following to*

Summer Research Fellowship  
Dept of Biochemistry and Molecular Biology  
University of Arkansas for Medical Sciences  
4301 W. Markham St, Slot 516  
Little Rock, AR 72205

- *Complete the on-line application form*
- *Official copy of your undergraduate transcript*
- *Two letters of recommendation from undergraduate faculty in your major department*
- *Items must be **received** by deadline*

For further details, contact Dr. Grover Paul Miller at (501) 526-6486.

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