

**APPLICATIONS ARE INVITED FROM MERITORIOUS BANGLADESHIS FOR THE
KAMALUDDIN AHMAD DISTINGUISHED GRADUATE SCHOLARSHIP
FOR DOCTORAL STUDIES IN BIOCHEMISTRY AT THE WORLD RENOWNED
UNIVERSITY OF WISCONSIN, MADISON, USA**

APPLICATION DEADLINE: 15 JULY 2009



The University of Wisconsin, home of one of the 10 highest-rated biochemistry programs in the United States, has announced the establishment of the Kamaluddin Ahmad Distinguished Graduate Scholarship. This expenses-paid scholarship is intended for meritorious Bangladeshi students to pursue their PhD in biochemistry at the University of Wisconsin and thereby nurture a new generation of world-class biochemists in Bangladesh. The first Kamaluddin Ahmad Distinguished Graduate Scholar will begin studies in 2010. This generous scholarship has been established at his alma mater in memory of Professor Kamaluddin Ahmad, renowned scientist, teacher and humanitarian who founded the departments of biochemistry and pharmacy and the Institute of Nutrition and Food Sciences at Dhaka University. Dr. Ahmad, after completing his PhD at Wisconsin in 1949, devoted his life to the advancement of scientific capacities in Bangladesh and in applying research in the life sciences to improve the life of the common man in developing countries.

This prestigious scholarship is targeted individuals who have received their B.Sc Honors (1st Class) and M.Sc. (1st Class) in biochemistry, molecular biology, microbiology, chemistry, or molecular engineering. (Academically accomplished candidates from other scientific disciplines will also be considered). Applicants must have satisfactorily completed courses in biology, chemistry, biochemistry, genetics, physics, organic chemistry, and physical chemistry. This scholarship is open to deserving students of any background regardless of gender, creed or economic condition.

APPLICATION REQUIREMENTS



The scholarship will cover tuition, fees, living expenses, and airfare from Bangladesh. **The application deadline for submitting the preliminary application is July 15, 2009, though applicants are requested to submit their application as soon as possible..** The preliminary application consists of the following

1. **Candidate Information Form** (all items must be completed)
2. Attested copies of your BSc Hons and MSc **marksheets**
3. A **statement of purpose** written in English (maximum length 3 pages single-sided) answering the following questions:
 - a. Your background – personal history (tell us something to help us know you as a person)
 - b. Why are you interested in pursuing a PhD in biochemistry? What kind of professional career would you like?
 - c. What are your research interests and experiences?
 - d. Have you participated in any social service activities?
4. List of **4 references** – at least 3 of whom must be professors you have studied under.
 - a. Provide name, title, address, phone number; and if available, email and fax number of each reference.
5. **GRE** and **TOEFL** examinations (if already taken): Date of examination and scores attained. (Please provide photocopy of test results).

Please note that applicants who have not already taken these examinations **must take the test no later than August 2009** for consideration. The required minimum score for TOEFL is 550 for paper test ; 213 for computer, and 80 for internet (iBT).

THE UNIVERSITY OF WISCONSIN INTEGRATED PROGRAM IN BIOCHEMISTRY

Background Information

Always among America's leading research universities, University of Wisconsin's level of excellence is reflected in the top rankings of such fields as microbiology, biochemistry, chemical engineering, chemistry, computer science, agriculture, and many others. UW was second in the us in overall research and development expenditure in 2006.

The biochemistry department was founded in 1883. The Department's historical contributions during its first century are central to the emergence and rise to prominence of biochemistry and molecular biology. A few of these highlights include:

- Discovery of Vitamin A and the Vitamin B complex
- Isolation of niacin and elimination of pellagra
- Discovery of methods of treating nutritional anemia
- Development of fermentation methods that led to the large-scale preparation of penicillin and other antibiotics
- Development of methods for preservation of sperm, triggering the artificial insemination industry
- Discovery of the anti-coagulants dicoumarol and warfarin and their uses against heart disease and as rodenticides
- Discovery of the key features of the incorporation of atmospheric nitrogen into amino acids
- First chemical synthesis of a gene
- Development of methods for the kinetic analysis of enzyme reactions

Today, the faculty of the Integrated Program in Biochemistry (IPIB) consist of world-leading researchers who have made important contributions to unlocking the secrets of plant flowering; protein structure, function and folding; membrane trafficking and transport; vitamin and hormone/growth factor action and signal transduction mechanisms; lipid synthesis and metabolism; RNA splicing, transport and degradation; DNA replication, recombination and transcription; cell division, differentiation and death; viral replication and transcription; animal and plant development and physiology. For more information, visit <http://www.biochem.wisc.edu/>

Please send application form and requested information to

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