



The Khorana Program

KHORANA Program for SCHOLARS

The Department of Biotechnology, Govt. of India, University of Wisconsin-Madison (UW) (and partner universities) and the Indo-US Science and Technology Forum (IUSSTF) are partnering to support the prestigious **Khorana Program for Scholars** named in honor of Dr. Har Gobind Khorana, who won the Nobel Prize in 1968 for his work at the interface of Chemistry and Biology while a member of the UW faculty. **The Khorana Program will provide opportunities to Indian students to undertake research at University of Wisconsin-Madison and partner universities in Summer 2013 for a period of 10 weeks.** A list of UW partner universities is available at https://www.biochem.wisc.edu/faculty/ansari/khorana_program/

The Khorana Program is envisaged to:

- Provide encouragement to young scholars to undertake R&D
- Enable students to carry out research at a premier University in the United States
- Transform research into societal benefits
- Build a seamless scientific community between India and the United States

Eligibility:

B.Tech, M.Tech and M.Sc. students currently enrolled in a recognized institution of higher education in India in the areas of biotechnology including agricultural, health and biomedical sciences.

Scholarship includes:

- Stipend • Accommodation • Airfare

For program information contact:

Dr. Nishritha Bopana
Indo-US Science and Technology Forum (IUSSTF)
12 Hailey Road, Fulbright House,
New Delhi- 110 001
E-mail: scholar@indoustf.org

For application guidelines refer to:
www.indoustf.org

Goals

1. *Provide students with a transformative experience*
2. *Rural development & Global Food Security*
3. *Increase partnerships between academia and the private sector to benefit society*



Transformative Experience

1. Indian students in US research laboratories

- 10 -12 weeks research with top labs
- Weekly lectures by highly effective thought leaders
(scientists, sociologists, social entrepreneurs, business leaders, technocrats, policy makers)
- Impart the fundamentals of scientific enquiry, impart leadership skills and a sense of social responsibility

2. US students at partner universities in India

- 10 -12 weeks research at TIFR, NCBS, IITs, IISERs, CCMB, CDFD, LV Prasad, NCBS, IISc (and several other leading academic institutions)



The pioneers

UNIVERSITY OF WISCONSIN-MADISON

SPECIAL SEMINAR



2007 Gobind Khorana Scholars Presentations

9:00 am, Wednesday,

July 25th, 2007

Room 175 Biochemistry Addition





For Non-biological Sciences



S.N. Bose SCHOLARS PROGRAM



To nurture future innovators and thought leaders, the **Science & Engineering Board (SERB), Department of Science and Technology (DST), Govt. of India**, the **Indo-U.S. Science and Technology Forum (IUSSTF)** and the **University of Wisconsin-Madison (UW)** are partnering to develop a dynamic and transformative student exchange program between premier institutions in India and the United States. The program is named in honor of **Satyendra Nath Bose** (1894 - 1974), a visionary Indian physicist best known for his work on quantum mechanics in the early 1920s. The class of particles that obey Bose-Einstein statistics, **Bosons**, was named after him.

ELIGIBILITY:

- Indian citizens currently pursuing a Bachelors or Masters' degree at a recognized institution of higher education and learning in India.
- Open to students of Atmospheric and Earth Sciences; Chemical Sciences; Engineering Sciences; Mathematical and Computational Sciences; and, Physical Sciences

Note: Students with a biology background should consider applying to the **Khorana Program for Scholars**.

THE PROGRAM IS ENVISAGED TO:

- provide an opportunity to Indian students to experience world-class research facilities in leading U.S. institutions;
- encourage and motivate students to take up research as a career;
 - pave the way for the next generation of pioneers and innovators in science and technology to interact with each other, and;
- build long-term R&D linkages and collaborations cutting across boundaries around the globe.

**Submission Deadline:
15 February 2013**

For program information contact:

**Dr. Nishritha Bopana
Indo-US Science and
Technology Forum**



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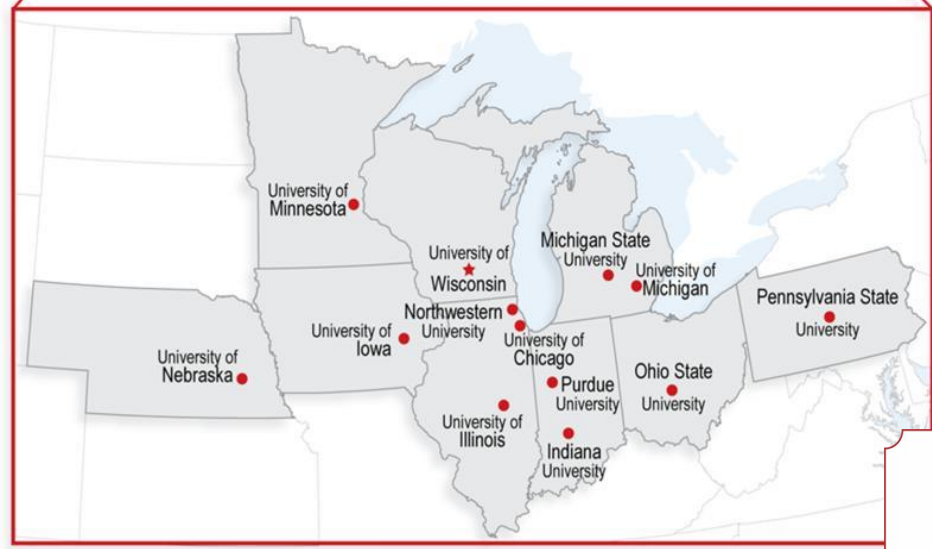
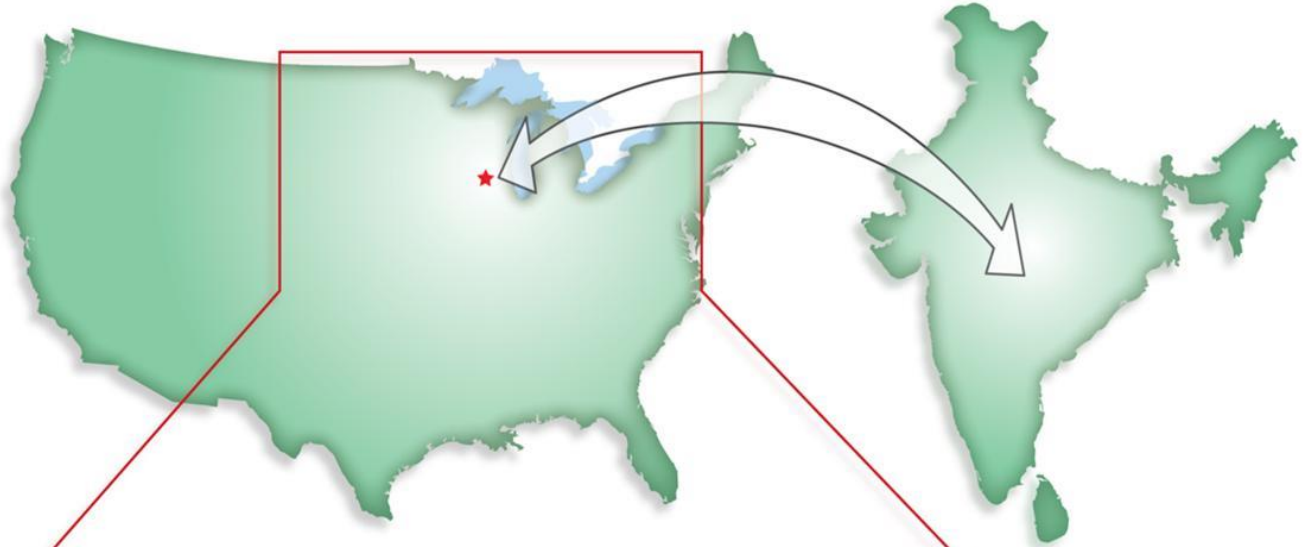
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25 US and 25 Indian Partners



S.N. Bose
SCHOLARS
PROGRAM





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Rural Development

\$1 million USAID -PIKA grant benefitted over 30,000 women's self help groups and farmers over three years





Dairy Productivity in Uttar Pradesh



UW faculty in India

1. **Bob Kaiser**
2. Jerry Guenther
3. Pam Ruegg



- 2-fold increase in milk and cereal production
- 350,000 individuals benefitted



Establishing Soil Testing Labs

- Rural Development through Public-Private partnership with *Mahindra & Mahindra* and USAID
- Placed faculty member in India for two years
- Established 100 soil testing labs throughout the country





Soil & Crop Testing

- Working with the *Agricultural Consultancy Management Foundation* in Tamil Nadu (S. Viswanathan of Industrial Economist)
- Consulting on fertilizer recommendations beyond Nitrogen, Phosphorus, and Pottasium (N, P, K)
- Consulting on cultivation technology



Vegetable Productivity

- Working with Maharashtra farmers supplying *Tasty Bite Inc.*
- Enhancing demonstration farm
- Training outreach workers



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Developing Science Entrepreneurs

*Two-week intensive Khorana
Tech Transfer Course for high
level Indian Policy Makers*



Senior Indian Council for Medical Research (ICMR) delegate discussing India's patent law with WARFs **Howard Bremmer** co-developer of the Bayh-Dole act



Tech Transfer Delegates at **Sector 67**
Hacker workshop



Developing Science Entrepreneurs

- Khorana Tech Transfer Course for senior Indian Policy Makers
- Business School “Bootcamp” trains students to start companies
- Kauffman Foundation grant for training entrepreneurs beyond the School of Business
- Weinert Center for Entrepreneurship

2013 Khorana Tech Transfer delegates at the Wisconsin Energy Institute (only national biofuel lab at a University)





Contact

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Or Google:

Khorana Program

Winstep Forward

Or email:

qnaveeda@hotmail.com

Aaseem@winstepforward.org