



S.N. Bose SCHOLARS PROGRAM



With best regards,
Gobind



Govt. of India



Indo-US Science and Technology Forum

Khorana and Bose Programs 2013 Newsletter

A consortium of US Universities led by UW Madison, the Government of India (DBT), and Indo-US Science and Technology Forum (IUSSTF) jointly created the prestigious **Khorana Program** for scholars in biotechnology affiliated areas. This highly successful partnership reflects a strong commitment to fostering creativity, excellence and seamless exchange of ideas. Over the past six years, nearly 100 students, representing the top 0.01% of the Indian student pool, have conducted research in leading US laboratories. Nearly 85% continued onwards with higher education research. In parallel, nearly 30 US students were placed in leading academic and industrial laboratories in India. Last year's scholar Drew Birrenkot won the Rhodes scholarship and Hari Prasad was awarded the Fulbright scholarship.

The US scholars developed long-term networks and a unique appreciation for the nature of scientific endeavor in India.

Beyond the biological sciences, the **Bose Program** was launched this year to nurture future innovators and thought leaders. The Science & Engineering Board (SERB) of the Department of Science and Technology (DST), Govt. of India, the Indo-U.S. Science and Technology Forum (IUSSTF) and the US Universities are partnering to develop a dynamic and transformative student exchange program between premier institutions in India and the United States. 50 scholars come to the US from India and 30 US scholars travel to India each year. The program is named in honor of *Satyendra Nath Bose* (1894 - 1974), a visionary Indian physicist. The class of particles that obey Bose-Einstein statistics, *Bosons*, was named after him.

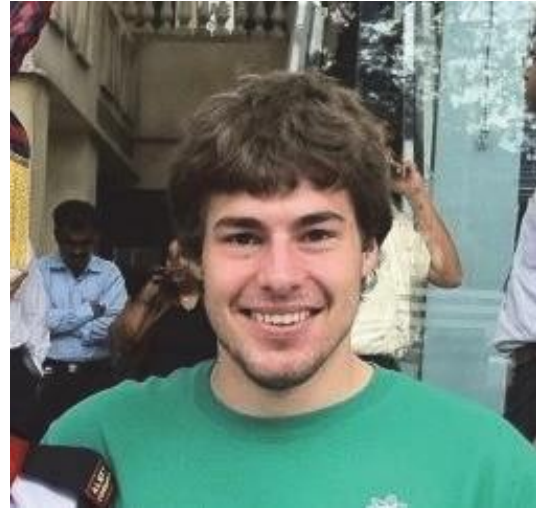
In this Issue

- 2014 Rhodes Scholarship Winner
- Meet the 2013 Scholars
- Advice from past fellows
- FAQ
- Contact information



2013 Rhodes Scholar: Drew Birrenkott

Drew Birrenkott, University of Wisconsin-Madison Senior, was awarded the Rhodes Scholarship for 2014. The Rhodes Scholarship is among the top honors in higher education and the oldest international study program in the world. This Scholarship was founded in 1902 by Cecil Rhodes. Thousands of applicants from various universities compete for the Rhodes scholarship every year. Each person is judged based on academic achievement and leadership among many other qualities. By receiving this award, Drew will have the opportunity to spend up to 3 years at Oxford University. There, he desires to continue his education in biomedical engineering, political science and biochemistry to help achieve his goal career in global health and international development. Through the Khorana Program, Birrenkott was able to study in India.









Additional Information

FOR THE COMPLETE STORY VISIT:








<http://ecals.cals.wisc.edu/2013/11/25/UWS-RHODES-SCHOLARSHIP-WINNER-DREW-BIRRENKOTT-INSPIRED-BY-CALS-KHORANA-PROGRAM/>



Meet the 2013 Khorana Scholars

	<p>Adithie Maddaala</p> <p>SRM University, Chennai <i>Host:</i> University of Nebraska-Lincoln</p>		<p>Dibyendu Dutta</p> <p>University of Hyderabad <i>Host:</i> University of Wisconsin-Madison</p>		<p>Mohanish Borana</p> <p>University of Mumbai - Depart. Of Atomic Energy, Mumbai <i>Host:</i> University of Minnesota</p>
	<p>Aditi Bhat</p> <p>A.C. College of Technology, Anna University, Chennai <i>Host:</i> Indiana University</p>		<p>Eddy Hudson</p> <p>Indian Institute of Technology, Madras <i>Host:</i> University of Wisconsin-Madison</p>		<p>Mohd Tayyab Adil</p> <p>Indian Institute of Technology, Roorkee <i>Host:</i> Massachusetts Institute of Technology</p>
	<p>Aishwarya Narayanan</p> <p>BITS PILANI - Hyderabad Campus <i>Host:</i> University of Wisconsin-Madison</p>		<p>Hitaishi Kaushik</p> <p>PGIMER, Chandigarh <i>Host:</i> University of Wisconsin-Madison</p>		<p>Ovia Kumaran</p> <p>Bannari Amman Institute of Technology, Tamil Nadu <i>Host:</i> University of Miw</p>
	<p>Animesh Mishra</p> <p>Indian Institute of Science Education & Research, Bhopal <i>Host:</i> University of Iowa</p>		<p>Jaydeep Kharpada</p> <p>Indian Institute of Technology, Kharagpur <i>Host:</i> University of Michigan</p>		<p>Raghavendran Partha</p> <p>Indian Institute of Technology, Madra <i>Host:</i> University of Nebraska-Lincoln</p>
	<p>Annie Rathore</p> <p>Indian Institute of Technology, Roorkee <i>Host:</i> University of Iowa</p>		<p>Kaivalya Shevade</p> <p>Institute of Bioinformatics and Biotechnology, University of Pune <i>Host:</i> University of Nebraska-Lincoln</p>		<p>Ria Mishra</p> <p>National Institute of Technology, Durgapur <i>Host:</i> Indiana University</p>
	<p>Archita Agrawal</p> <p>VIT University, Vellore <i>Host:</i> Indiana University</p>		<p>Kanika Khanna</p> <p>Indian Institute of Technology, Delhi <i>Host:</i> University of Wisconsin-Madison</p>		<p>Ruksar Sultana</p> <p>National Institute of Technology, Rourkela <i>Host:</i> University of Wisconsin-Madison</p>
	<p>Babukrishna Maniyadath</p> <p>National Institute of Technology, Calicut <i>Host:</i> University of Illinois</p>		<p>Kanupriya Tiwari</p> <p>Indian Institute of Technology, Banaras Hindu University, Varanasi <i>Host:</i> Michigan State University</p>		<p>Samadrita Battacharya</p> <p>St. Xavier's College, Kolkata <i>Host:</i> University of Illinois</p>
	<p>Dennis Robert</p> <p>Indian Institute of Technology, Kharagpur <i>Host:</i> University of Wisconsin-Madison</p>		<p>Kanwal Puneet Kaur</p> <p>Indian Institute of Science Education & Research, Mohali <i>Host:</i> Indiana University</p>		<p>Saman Khan</p> <p><i>Host:</i> University of Wisconsin-Madison</p>

2013 Khorana Scholars continued

	<p>Sameer Dixit</p> <p>Indian Institute of Technology, Guwahati Host: University of Wisconsin-Madison</p>		<p>Sanjibita Mishra</p> <p>National Institute of Technology, Rourkel Host: University of Illinois</p>		<p>Shubham Garg</p> <p>Indian Institute of Technology, Guwahati Host: University of Wisconsin-Madison</p>
	<p>Surabhi Nair</p> <p>National Institute of Technology, Raipur Host: Georgetown</p>		<p>Srishti Batra</p> <p>Indian Institute of Science Education & Research, Mohali Host: University of Minnesota</p>		<p>Shachi Mittal</p> <p>Indian Institute of Technology, Delhi Host: University of Illinois</p>
	<p>Anjaney Kothari</p> <p>Indian Institute of Technology, Kanpur Host: Massachusetts Institute of Technology</p>				

2013 Khorana Scholars not pictured

<p>Mayank NK Choudhary</p> <p>Indian Institute of Technology, Madras Host: University of Wisconsin-Madison</p>	<p>Rishika Vij</p> <p>National Dairy Research Institute, Karnal Host: Georgetown</p>	<p>Abhishek Persad</p> <p>Indian Institute of Technology, Delhi Host: University of Nebraska-Lincoln</p>	<p>Mainak Mustafi</p> <p>Indian Institute of Technology, Kharagpur Host: Michigan State University</p>
<p>Sangeetha Balaji</p> <p>Rajarajeswari Mediacal College & Hospital, Bangalore Host: University of Wisconsin-Madison</p>	<p>Charu Mehta</p> <p>Indian Institute of Technology, Delhi Host: University of Wisconsin-Madison</p>	<p>Avantika Gupta</p> <p>Birla Institute of Technology & Science, Pilani Host: University of Michigan</p>	<p>Munish Chhabra</p> <p>Delhi Technological University Host: Michigan State University</p>

Additonal Information

FOR FULL INFORMATION ON THE 2013 KHORANA FELLOWS PLEASE VISIT:
http://www.biochem.wisc.edu/FACULTY/ANSARI/KHORANA_PROGRAM/FELLOWS/











Meet the 2013 S.N. Bose Scholars

	Abhinav Gupta IIT Kharagpur Host: Georgetown University		Harshit Agrawal IIT Guwahati Host: Massachusetts Institute of Technology		Mubenna Fatima IIT Bhubaneswar Host: University of Wisconsin-Madison
	Abhiram Ravi IIT Madras Host: University of Wisconsin-Madison		Kanan Patel IIT Madras Host: University of Wisconsin-Madison		Nishant Udgaonkar Fergusson College Host: University of Wisconsin-Madison
	Advait Hasabnis IIT Bombay Host: University of Wisconsin Madison		Karandeep Singh IISER Mohali Host: University of Michigan		Praneeth Chilakalapudi University of Hyderabad Host: University of Wisconsin-Madison
	Ameya Patil IIT Hyderabad Host: University of Illinois at Urbana-Champaign		Krishna Dwaipayana Bharadwaj Anapindi IIT Kharagpur Host: University of Wisconsin-Madison		Saba Suhail IIT Jodhpur Host: University of Wisconsin-Madison
	Bibek Samanta IISER Kolkata Host: Georgetown University		Krishna Shrinivas IIT Madras Host: University of Wisconsin-Madison		Salini Karuvade IISER Trivandrum Host: University of Wisconsin-Madison
	Debarati Banerjee VIT Chennai Host: University of Michigan		Kumar Ashish IIT Kharagpur Host: University of Wisconsin-Madison		Sarang Nath IIT Delhi Host: University of Wisconsin-Madison
	Harshal Priyadarshi IIT Roorkee Host: University of Wisconsin-Madison		Manu Agarwal IIT Jodhpur Host: University of Wisconsin-Madison		Shilpa Garg IIIT Delhi Host: University of Wisconsin-Madison
	Harshika Singh NIT Rourkela Host: University of Wisconsin-Madison		Meera Ramaswamy IIT Bombay Host: University of Wisconsin-Madison		Sooryanarayanan Gopalakrishnan IIT Madras Host: University of Wisconsin-Madison

2013 Bose Scholars

continued

	<p>Soubhik Kumar</p> <p>IISER Kolkata Host: University of Wisconsin-Madison</p>
	<p>Souransu Nandi</p> <p>NIT Durgapur Host: University of Illinois at Urbana-Champaign</p>
	<p>Sujoy Saha</p> <p>IIT Patna Host: University of Wisconsin-Madison</p>
	<p>Tushita Goyal</p> <p>IIT (BHU) Host: University of Wisconsin-Madison</p>
	<p>Vikas Jaiswal</p> <p>IIT Guwahati Host: University of Wisconsin-Madison</p>
	<p>Vivek Ramachandran Ravi</p> <p>IIT Roorkee Host: University of Wisconsin-Madison</p>
	<p>Vivek Saraswat</p> <p>IIT Bombay Host: University of Wisconsin-Madison</p>
	<p>Yamini Thadisina</p> <p>IIT Patna Host: University of Wisconsin-Madison</p>

Orientation at UW-Madison



Mofeez Alam (Bose scholar) talking with Dr. Norm Neureiter (AAAS)



Dr. Rajeev Sharma (IUSSTF) and Dr. Rajeev Tayal (SERB) addressing Khorana and Bose scholars

<p>Anwesha Mukherjee</p> <p>Indian Institute of Technology, Guwahati Host: University of Minnesota</p>	<p>Karthik Abhinav S</p> <p>Indian Institute of Technology, Madras Host: University of Michigan</p>	<p>Mayukh Bhadra</p> <p>Indian Institute of Technology, Bombay Host: Georgetown</p>
<p>Mofeez Alam</p> <p>Indian Institute of Space and Technology Host: University of Wisconsin-Madison</p>	<p>Oindrila Manna</p> <p>Indian Institute of Technology, Madras Host: Massachusetts Institute of Technology</p>	<p>Prateek Garg</p> <p>UM DAE CBS, University of Mumbai, Kalina Host: Michigan State University</p>
<p>Saikrishna Badrinarayanan</p> <p>Indian Institute of Technology, Madras Host: University of Illinois at Urbana-Champaign</p>	<p>Saparya Chattaraj</p> <p>Indian Institute of Technology, Kharagpur Host: University of Minnesota</p>	<p>Subhasree Kal</p> <p>Indian Institute of Technology, Kanpur Host: University of Minnesota</p>
<p>Sumit Gupta</p> <p>Indian Institute of Technology, Kanpur Host: University of Michigan</p>	<p>2013 Bose Scholars not pictured</p>	

Experiences of past scholars



Melanie

“India is a place so indescribable that even pictures don’t do it justice. Being there for 10 weeks was just a drop in the bucket in experiencing all that it has to offer. Before the S. N. Bose Program, I didn’t know what the big fuss about studying abroad was. Of course I wanted to, but would have been okay graduating without, especially because I had been abroad before on vacation and figured it was close enough. After going to India, I realize I couldn’t have been further from the truth. There is a night and day difference between traveling abroad and living abroad. Integrating into a new lifestyle, group of friends, culture, and lab is more rewarding and offers a clearer perspective of life in that country than possible through a visit via hotel. Through the S. N. Bose Program, I was able to truly experience India while working in a research lab at the frontline of its field. Working in a completely new lab setting helped expand my realm of knowledge specific to the topic I was studying, but to general lab practices as well. Leaving my known lab ideology and entering a new setting enabled me to reevaluate previous assumptions and methods and construct more informed and sound ideas and processes. Going to India wasn’t merely a dip in pool, it was a cannon ball off the high board, both one of the scariest and most exhilarating things I have ever done, and I would do it again in a heartbeat.”

-Melanie Swannell

-Nikki Mihelich

“I really enjoyed my experience in Bangalore, India! I got to delve into stem cell research, which is a new field for me since I have previously only done plant-related research. The National Centre for Biological Sciences was an amazing place to do research. With its largely communal lab setting, collaboration was common between labs and was comprised of scientists from all over the world. It was also fun to meet student interns from all over the USA and India who had similar internships. Outside of the lab we did a lot of traveling and got to explore many different parts of the country to experience a variety of climates, cultures, and languages. My advice is to ask your mentors lots of questions, find friends to have unforgettable adventures with, and eat plenty of dosas!”



Nikki



Jerdon

“As far as advice for future scholars, I would say that one of the best things that they could do is to get in touch with the mentor they will be working with right away. Also get some literature on what {you} are studying and working on. This helps to get ahead on projects and would have been very helpful for me instead of playing catch up for a week or two.”

-Jerdon Dresel



“My two biggest suggestions:

First, it's not every summer you get to go to India. You want to be playing your part in lab and learning, but you should also get out and see India. Ask your lab about restaurants or places to visit. Travel! Use the sleeper trains and sleeper buses when possible and take in as much of India as you can. Of course, be safe and travel with a group.

Secondly, make sure you get to know the people you research around, see at the gym, or eat lunch with. One of my favorite experiences was going to a friend's apartment for an evening cooking lesson and some good stories.”

-Alex Burford



FAQ

1. When am I leaving, when can I get my flight itinerary, and when do I return?

You will be able to coordinate your departure and return dates with the Indousstf Travel Desk. The Travel Desk will buy your tickets for the dates you specify. You must have a visa for the travel desk to purchase your ticket.

2. What is my housing?

Your housing is provided by the institution you work with. If researching at NCBS/InSTEM in Bangalore, you will be placed either in campus housing or an off campus hostel. Both locations offer rooms with individual bathrooms. You may be assigned a roommate also using the campus or hostel housing.

3. Do I need to be sending any information about my preferences?

You will be asked for anything extra needed with your application.

4. Can I get in early contact with my lab in order to get literature for the plane?

Should you choose to get a jump on literature research (it's a good idea!) you should first research your PI's lab. This information will help you guide your research. In some cases you may be able to contact your PI, however, they are usually busy and may not respond in a timely manner.

5. Will I be put in contact with the other Khorana/ Bose scholars going to India?

You will meet your fellow scholars before leaving for India. Make a Facebook group and stay connected. You should have the opportunity while you stay to travel together.

6. Is there anything I need to be doing now to ensure the transition into the Khorana/ Bose program goes smoothly?

Enjoy the life enriching experience.

Contact information

Gifts and donations

http://www.biochem.wisc.edu/faculty/ansari/khorana_program/contact.aspx

General questions

- Kelsey Wilkosz
 - kwilkosz@wisc.edu
- http://www.biochem.wisc.edu/faculty/ansari/khorana_program/
- 433 Babcock Dr., Madison WI 53706

