

## Anirban Banerjee

### CURRICULUM VITAE

Department of Biology  
The University of Western Ontario  
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**CAREER OBJECTIVE:** Develop my career as a scientist and a teacher

### SUMMARY OF QUALIFICATIONS

- M.Sc. in Microbiology and Immunology and B.Tech. (Engineering) in Biotechnology
- Strong background in basic research in the field of Molecular Genetics and Biochemistry
- Demonstrated skills in writing scientific articles, abstracts, proposals, etc.
- Excellent teaching skills which has yielded multiple teaching awards
- Experienced in supervising undergraduate volunteer students in the laboratory
- Adept at working in a fast-paced research environment both independently as well as a part of a team
- Excellent organization, time management, multi-tasking, mentoring, and interpersonal ability
- Strong verbal and written communication skills, proof-reading and composition skills
- Professional Eastern semi-classical vocalist and a music teacher

### EDUCATION

2013-Present: **Ph.D. in Biology**, The University of Western Ontario, London, ON, Canada.

Thesis: Mapping Patterns of Phosphorylation of Proteins Important in *Drosophila melanogaster* Development

Average course grades: 87.5%

#### Major responsibilities

- ❖ Devising and conducting wet lab experiments in the field of Developmental Genetics and Biochemistry
- ❖ Analyzing proteomics data from experiments
- ❖ Purchasing lab supplies and preparing ordering lists
- ❖ Maintaining the laboratory inventory and safety
- ❖ Ensuring the proper handling, storage and disposal of hazardous materials
- ❖ Supervising undergraduate volunteer students in the lab

2008-11: **M.Sc. in Microbiology and Immunology**, University of Saskatchewan, Saskatoon, SK, Canada

Thesis: Influence of Bacteriophage Lambda Gene P Expression on Host *Escherichia coli* Cells

Average course grades: 78.33%

#### Major responsibilities

- ❖ Devising and conducting wet lab experiments in the field of Prokaryotic Genetics
- ❖ Analyzing data obtained from experiments
- ❖ Purchasing lab supplies and preparing ordering lists
- ❖ Maintaining the laboratory inventory and safety
- ❖ Ensuring the proper handling, storage and disposal of hazardous materials

2004-08: **B.Tech. in Biotechnology**, Heritage Institute of Technology, Kolkata affiliated to West Bengal Institute of Technology, Kolkata, West Bengal, India

Course grades: DGPA 8.23 out of 10

## AWARDS AND SCHOLARSHIPS

- **Faculty of Science Graduate Student Teaching Award**, Faculty of Science, The University of Western Ontario, London, Canada, 2015-16
- **Graduate Teaching Assistant Award**, The Society of Graduate Students, PSAC Local 610 and The School of Graduate and Postdoctoral Studies, The University of Western Ontario, London, Canada, 2014-15
- **Dr. René R. Roth Memorial Award**, School of Graduate and Postdoctoral Studies and the Department of Biology, The University of Western Ontario, London, Canada, 2014
- **Western Graduate Research Scholarship (WGRS)**, School of Graduate and Postdoctoral Studies, The University of Western Ontario, London, Canada, 2013-17
- **University of Saskatchewan Graduate Teaching Assistantship (GTA)**, College of Medicine, University of Saskatchewan, Saskatoon, Canada, 2010-11
- **University of Saskatchewan Graduate Teaching Assistantship (GTA)**, College of Medicine, University of Saskatchewan, Saskatoon, Canada, 2009-10
- **Zacharuk Scholarship**, Mohyla Institute, Saskatoon, Canada, 2009-10

## SCIENTIFIC CONTRIBUTIONS

Peer-reviewed publication

1. Sidney Hayes, Wen Wang, Karthic Rajamanickam, Audrey Chu, **Anirban Banerjee** and Connie Hayes. Lambda gpP-DnaB Helicase Sequestration and gpP-RpoB Associated Effects: On Screens for Auxotrophs, Selection for Rif<sup>R</sup>, Toxicity, Mutagenicity, Plasmid Curing. *Viruses* 2016, 8, 172

## Selected presentations at conferences/meetings

### Oral presentation

1. Mapping patterns of phosphorylation of proteins important in *Drosophila melanogaster* development. **Anirban Banerjee** and Anthony Percival-Smith. 7<sup>th</sup> Annual Biology Graduate Research Forum, The University of Western Ontario. Oct 14, 2016. London, ON, Canada
2. Lethal/inhibitory and mutator activities of  $\lambda$  replication initiation gene. Sidney Hayes, Kristen Marciniuk, **Anirban Banerjee**, Connie Hayes, Audrey Chu, Monique Horbay and Craig Erker. 18<sup>th</sup> Evergreen Phage Biology Meeting. Aug 9-14, 2009. Olympia, Washington, USA

### Poster presentation

1. Mapping patterns of phosphorylation of proteins important in *Drosophila melanogaster* development. **Anirban Banerjee**, Dan Bath and Anthony Percival-Smith. Canfly XIII. Jun 21-25, 2015. Montreal, QC, Canada
2. Bacteriophage lambda P and E. coli cell stress. **Anirban Banerjee** and Sidney Hayes. 18<sup>th</sup> Annual Life and Health Sciences Research Day, University of Saskatchewan. Mar 11, 2011. Saskatoon, SK, Canada

## ADVISORY ROLE

Research Project Advisor

2016-17: 4<sup>th</sup> year B.Sc. (Honors) thesis project, The University of Western Ontario, Student: Lindsay Hilton

2015-16: 4<sup>th</sup> year B.Sc. (Honors) thesis project, The University of Western Ontario, Student: Taylor Lyons

## VOLUNTEER STUDENT SUPERVISION

2016-present: Irina Sukhova, The University of Western Ontario

2016-present: Kartik Gupta, The University of Western Ontario

2016-present: Stuart Cameron, The University of Western Ontario

2016-present: Nikola Vladicic, The University of Western Ontario

2016: Eisha Gupta, The University of Western Ontario

2015-present: Sina Fararoeie, The University of Western Ontario

2014-16: Mohammad Danial Gill, The University of Western Ontario

2015: Jennifer Lee-Nguyen, The University of Western Ontario

2014-15: Claire Newman, The University of Western Ontario

## TEACHING EXPERIENCE

Jan, 2016-present: Instructor at Prep101  
Jan, 2016-present: Teaching Assistant, Bio3596B Genomics Lab, The University of Western Ontario  
Sept, 2016-present: Private Tutor, Biology and Biochemistry (London, Canada)  
2015-16: Teaching Assistant, Science Skills Development, The University of Western Ontario  
2014-16: Teaching Assistant, Bio2581B Genetics, The University of Western Ontario  
2013-16: Teaching Assistant, Bio1001A/1201A Intro Biology Lab, The University of Western Ontario  
2013-14: Teaching Assistant, Bio3332A Parasitology Lab, The University of Western Ontario  
2008-11: Teaching Assistant, MCIM 391 Molecular Microbiology Lab, University of Saskatchewan  
2007-08: Private Tutor, Biology (in Kolkata, India)

## PART-TIME WORK EXPERIENCE

2008-present: Self-employed as a Music Teacher  
2015: Watering and Feeding Assistant, Dept. of Biology, The University of Western Ontario  
2009-11: Casual Student Library Assistant, Health Sciences Library, University of Saskatchewan  
2009-10: Resident Advisor, St. Petro Mohyla Institute, Saskatoon, SK, Canada

## EXTRA-CURRICULAR ACHIEVEMENTS AND AWARDS (MUSIC)

2007-08: Received **Harihar Shukla Memorial Challenge Cup** for securing 1<sup>st</sup> position in the vocal category of 'Bhajan' at the National-level music competition organized by The Dover Lane Music Conference, Kolkata  
2007-08: Received **Rotu Sen Memorial Challenge Cup** for obtaining highest marks in the vocal category at the National-level music competition organized by The Dover Lane Music Conference, Kolkata  
2006-07: Stood 5<sup>th</sup> in the vocal category of 'Bhajan' at the National-level music competition organized by The Dover Lane Music Conference, Kolkata  
2006-07: Stood 1<sup>st</sup> in the vocal category of 'Bhajan' at the State-level music competition organized by West Bengal State Music Academy), Information and Cultural Affairs Department, Government of West Bengal, India  
2005-06: Stood 3<sup>rd</sup> in the vocal category of 'Bhajan' at the State-level music competition organized by West Bengal State Music Academy), Information and Cultural Affairs Department, Government of West Bengal, India  
2004: Received **Shilpi Award** from Lions Club of Calcutta (Victoria Garden) for excellence in vocal music

## VOLUNTEER EXPERIENCE

2015-16: **Departmental Steward** of Biology for PSAC Local 610 (TA Union) of The University of Western Ontario, London, Canada  
2015-present: **Advisor** of the Innovation Committee of The University of Western Ontario chapter of the international organization, Universities Allied for Essential Medicines (UAEM)  
2014-15: **Committee Member** of the International Graduate Student Issues Committee (IGSIC) of the Society of Graduate Students (SOGS) at The University of Western Ontario, London, Canada  
2007: Worked for the Tribal Upliftment for the NGO, 'Friends of Tribal Society' under the youth wing, 'Youth for Seva' in India  
2007: Member and an active worker at All-Bengal Music Conference, Kolkata, West Bengal, India  
2005-07: Member and an active worker at The Dover Lane Music Conference, Kolkata, West Bengal, India.

## PERSONAL DETAILS

**Date of Birth** December 2, 1985  
**Citizenship** Indian  
**Mailing Address** 707-575 Proudfoot Lane, London, ON N6H 4R5, Canada

## OTHER SKILLS

**Computer** Microsoft Office (Word, Excel, PowerPoint and Outlook), Adobe Photoshop, EndNote and Mendeley Reference Manager.  
**Language** English, Bengali and Hindi