PRABHADEVI VENKATARAMANI, PhD

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EDUCATION

NANYANG TECHNOLOGICAL UNIVERSITY (NTU) — **SINGAPORE**
Ph.D. Microbiology & Biochemistry — 2012-2017
- Investigated a novel drug target critical to opportunistic pathogen *Pseudomonas aeruginosa* biofilm regulation.
- Awarded **Nanyang Research Scholarship** for 4-year Ph.D. program

BHARATHIDASAN UNIVERSITY — **INDIA**
***M.Sc. (Hons) Botany* (1st Rank in University)** — 2007-2009
- Studied the plant species, *Allamanda cathartica,* as a potential biofuel source using gas chromatography-mass spectroscopy
- Awarded the Council of Scientific and Industrial Research **(CSIR) Junior Research Fellowship and Lectureship**

UNIVERSITY OF MUMBAI — **INDIA**
***B.Sc. (Hons) Microbiology* (1st Rank in University)** — 2004-2007
- Received Prof. J**. V. Bhat Memorial Scholarship** for pursuing Masters program from University of Mumbai

RESEARCH EXPERIENCE

COLD SPRING HARBOR LABORATORY — **NEW YORK**
Postdoctoral Fellow — March 2017- Present
- Investigating small-molecule inhibitors against cancer, Down's syndrome and Alzheimer's disease

NANYANG TECHNOLOGICAL UNIVERSITY — **SINGAPORE**
Ph. D. — 2012 - 2017
- Received **American Society for Microbiology Award** to present at ASM *Pseudomonas* conference, Washington D.C. (2015)
- Received **German Cancer Research Center (DKFZ) Award** for oral presentation at the 5th Heidelberg Forum for Young Life Scientists (HFYLS), Germany (2017)

INDIAN SPACE RESEARCH ORGANIZATION (ISRO) — **INDIA**
Remote Sensing & GIS- Technology & Applications — May 2010-Aug 2010
- Trained in remote sensing, digital image processing, GPS and satellite data products and use of GIS software
- Awarded best project for mapping land cover changes in a wildlife sanctuary over 11 years and published a paper

PROFESSIONAL & LEADERSHIP EXPERIENCE

POST DOC LIASION COMMITTEE — **NEW YORK**
Cold Spring Harbor Laboratory — Feb 2018 –Present
- Elected to postdoctoral representative body to facilitate communication with laboratory administration

LEAD SCIENTIFIC INFORMATIONIST — **NEW YORK**
Cold Spring Harbor Laboratory Library & Archives — Feb –Mar 2017
- Awarded the **Ellen Brenner Memorial Fellowship** (awarded to 2 individuals per year) by the Library and Archives Department
- Co-ordinated outreach with scientific community to publicize improvements in library services & resources that aid researchers

NANYANG TECHNOLOGICAL UNIVERSITY (NTU) — **SINGAPORE**
Graduate Teaching Assistant — Aug 2012 - May 2015
- Mentored 3 undergraduate students for their final year project

CSIR-UGC JUNIOR RESEARCH FELLOWSHIP & LECTURESHIP — **INDIA**
Field study in ornithology and climate change — Jun 2009-Jul 2012
- Initiated an environmental monitoring program to track migratory patterns of 274 bird species at Point Calimere Wildlife Sanctuary (a Ramsar site) to study the impact of climate change on the arrival patterns and food availability for these birds.
- Awarded best presentation at the First International Conference on Indian Ornithology for the study of birds at Point Calimere

BARN OWL NATURE CLUB *(affiliated to WWF-India)* — **INDIA**
Founder & Advisor (Motto –Think Globally Act Locally) — 1996 – present
- Won the trophy for the best Nature Club in Mumbai among 65 nature clubs in Maharashtra state from WWF India (1997)
- Awarded All-India First prize in painting competition on Endangered species organized by British Council & WWF (2004)

SELECTED PUBLICATIONS

1. **Venkataramani, P.,** *et al.* (2016). A cyclic di-GMP-binding PilZ protein interacts with histidine kinase to regulate two-component signaling. *J Biol Chem* 291(31):16112-23.
2. **Venkataramani, P.** and Liang, ZX. (2017). Enzymatic synthesis of c-di-GMP using a thermophilic diguanylate cyclase. In c-di-GMP Signaling: Methods and Protocols *Methods in Molecular Biology*, *Springer,* Chapter 2:11-22.
3. Xu, L., Xin, L., Zeng, Y., Yam, JKH., Ding, Y., **Venkataramani, P** *et al.* (2016). A cyclic-di-GMP-binding adaptor protein interacts with a chemotaxis methyltransferase to control flagellar motor switching. *Science Signaling* 9 (450):ra102.