

Deepa Rajagopalan

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Educational Qualifications

- August 2013-March 2018 | **Ph.D.**, Department of Biochemistry, Yong Loo Lin School of Medicine, **National University of Singapore, Singapore.**
Thesis Title: Mechanistic characterization of the tumor suppressive role of TIP60 in cancer.
Supervisor: Asst Prof. Dr. Sudhakar Jha(csisjha@nus.edu.sg)
CAP: 4.88/5
- 2009-2013 | **B.Tech** in Industrial Biotechnology, **SASTRA University, India**
Cumulative grade point average: **9.857/10.**

Academic Achievements / Awards

- NUS Research Scholarship with **Medicine Top-up** (2013-2017).
- **Best Oral Presentation (Translational Science category)** at NCAM (5th NCIS Annual Research Meeting) 2018, Singapore.
- **FINALIST and Best Presenter** at **FINALS of Singapore YES (Young Entrepreneurs Scheme)** Biotechnology competition organized by Procter and Gamble and ASTAR, 2017.
- **Best Oral Presentation (Basic Science category)** at NCAM (4th NCIS Annual Research Meeting) 2017, Singapore.
- **First Runner-Up** award in NUS 3 Min Thesis competition organized by Graduate Student Society, NUS, 2016.
- **First Runner-Up** award for Oral presentation at the YLL SOM Annual Graduate Congress (AGSC) 2016. Singapore.
- **Speaker** at **EMBO** Telomeric chromatin and telomere fragility Meeting, Singapore. December 2015.
- **Best Poster Award (GOLD** poster award) at Frontiers in Cancer Science Conference, 2015 held at Singapore.
- One of the 5 posters **nominated for Poster Award** at the NCIS Annual Research Meeting (NCAM) 2015 held at Singapore.
- **Best Outgoing Student** 2013 awarded by SASTRA University.
- Secured **ALL INDIA RANK 1** in the Graduate Aptitude Test in Engineering (GATE) 2013 Biotechnology.
- Received the **Khorana Program for Scholars Fellowship 2012** for an internship at **University of Michigan, Ann Arbor.**
- Received the **Indian Academy of Sciences (IAS) Fellowship 2011** for an internship at **Indian Institute of Science, Bangalore.**
- Received **DBT (Department of Biotechnology, Government of India) Fellowship** 2010.

- GRE Score- 326/340
- TOEFL Score- 116/120
- Graduate Aptitude Test in Engineering (**GATE**) 2013- 80/100, **ALL INDIA RANK-1**

Publications

➤ Research articles

- **Rajagopalan, D.**, Tirado-Magallanes, R., Bhatia, S. S., Teo, W. S., Sian, S, *et al.* (2018). TIP60 represses activation of endogenous retroviral elements. *Nucleic acids research*.
- **Rajagopalan, D.**, & Jha, S. (2018). An epi (c) genetic war: Pathogens, cancer and human genome. *Biochimica et Biophysica Acta (BBA)-Reviews on Cancer*.
- **Rajagopalan, D.**, Pandey, A. K., Xiuzhen, M. C., Lee, K. K., Hora, S., Zhang, Y., *et al* (2017). TIP60 represses telomerase expression by inhibiting Sp1 binding to the TERT promoter. *PLoS pathogens*, 13(10), e1006681.
- Zhang, Y., Subbaiah, V. K., **Rajagopalan, D.**, Tham, C. Y., Abdullah, L. N., Toh, T. B., *et al* (2016). TIP60 inhibits metastasis by ablating DNMT1– SNAIL2-driven epithelial-mesenchymal transition program. *Journal of molecular cell biology*, 8(5), 384-399.
- Subbaiah, V.K., Zhang, Y., **Rajagopalan, D.**, Abdullah, L.N., Yeo-Teh, N.S., Tomaic, V., Banks, L., Myers, M.P., Chow, E.K., and Jha, S. (2016). E3 ligase EDD1/UBR5 is utilized by the HPV E6 oncogene to destabilize tumor suppressor TIP60. *Oncogene* 35, 2062-2074.
- Gherasim, C., Hannibal, L., **Rajagopalan, D.**, Jacobsen, D.W. and Banerjee, R., 2013. The C-terminal domain of CblD interacts with CblC and influences intracellular cobalamin partitioning. *Biochimie*, 95(5), pp.1023-1032.

➤ Book Chapter

- Jha, S., **Rajagopalan, D.**, Hora, S., & Jadhav, S. P. (2017). Breast Cancer: From Transcriptional Control to Clinical Outcome. In *Breast Cancer-From Biology to Medicine*. InTech.

Conference Presentations (Local and International)

Oral Presentations

- **Deepa Rajagopalan**, Roberto T. Magallanes, Shainan Hora, Yonghui Wu, Yunn-Hwen Gan, Neerja Karnani, Touati Benoukraf and Sudhakar Jha. Targeting colorectal cancer cells using reverse transcriptase(RT) inhibitors. **NCAM**, (5th NCIS Annual Research Meeting) **2018**, Singapore
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Xiuzhen, Kwok Kin Lee, Yanzhou Zhang, Boon Haow Chua, Hui Si Kwok, Daniel G. Tenen, Dennis Kappei and Sudhakar Jha. TIP60 represses telomerase expression by inhibiting Sp1 function. **NCAM**, (4th NCIS Annual Research Meeting) **2017**, Singapore.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Lim Xiuzhen, Kwok Kin Lee, Dennis Kappei and Sudhakar Jha. TIP60 represses TERT by inhibiting the function of Sp1. **YLL SOM Annual Graduate Congress (AGSC) 2016**. Singapore. **26 January 2016**.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Lim Xiuzhen, Kwok Kin Lee, Dennis Kappei and Sudhakar Jha. TIP60, a lysine acetyltransferase, is a novel cellular repressor of TERT. **EMBO Telomeric chromatin and telomere fragility, Singapore. 07-10 Dec 2015**.
- **Deepa Rajagopalan**, Sudhakar Jha. TIP60, a faithful cellular sentinel. 7th

Biochemistry Student Symposium, **Department of Biochemistry, Yong Loo Lin School of Medicine. Singapore. 23 September 2015.**

Poster Presentations

- **Deepa Rajagopalan**, Roberto T. Magallanes, Shainan Hora, Yonghui Wu, Yunn-Hwen Gan, Neerja Karnani, Touati Benoukraf and Sudhakar Jha. TIP60 represses reactivation of endogenous retroviral elements in colorectal cancer. **Frontiers in Cancer Science (FCS)** 2017. Singapore. 07-09 November 2017.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Xiuzhen, Kwok Kin Lee, Yanzhou Zhang, Boon Haow Chua, Hui Si Kwok, Daniel G. Tenen, Dennis Kappei and Sudhakar Jha. TIP60 represses telomerase expression: a HAT with many tricks. **Cold Spring Harbor conference. Telomeres and telomerase 2017**, 02 May-06th May 2017.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Lim Xiuzhen , Kwok Kin Lee, Dennis Kappei and Sudhakar Jha. TIP60, a lysine acetyltransferase, represses telomerase by inhibiting Sp1. **Keystone Symposium on Epigenetics and Chromatin**, Whistler, Canada. 20-24 March 2016.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Lim Xiuzhen, Kwok Kin Lee, Dennis Kappei and Sudhakar Jha. TIP60 is a repressor of *hTERT*. Yong Loo Lin School of Medicine, **Annual Graduate Congress (AGSC)** 2015. Singapore. 27 January 2015.
- **Deepa Rajagopalan**, Magdalene Claire Lim Xiuzhen, Amit Kumar Pandey and Sudhakar Jha. TIP60, a novel cellular repressor of *hTERT*. **NCIS Annual Research Meeting (NCAM)** 2015. Singapore. 03 July 2015.
- **Deepa Rajagopalan**, Amit Kumar Pandey, Magdalene Claire Lim Xiuzhen, Kwok Kin Lee, Dennis Kappei and Sudhakar Jha. TIP60 is a repressor of *TERT*. **Frontiers in Cancer Science (FCS)** 2015. Singapore. 02-04 November 2015.

Organizing Skills

- Organizing committee member of 6th Biochemistry Student Symposium organized by Department of Biochemistry, YLL SoM, NUS.

excellent