CURRICULUM VITAE

Sangeevan Vellappan
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PRESENT ADDRESS
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CITIZENSHIP
Malaysia

EDUCATION

UNDERGRADUATE
Rutgers School of Environmental and Biological Sciences, New Brunswick
Bachelor of Science (BSc), Microbiology, June 2016
Advisor: Dr. Huizhou Fan

GRADUATE
Rutgers School of Graduate Studies, New Brunswick
Ph.D, Microbiology and Molecular Genetics, June 2024
Advisor: Dr. Srujana Samhita Yadavalli; Co-Advisor: Dr. Premal Shah

RESEARCH EXPERIENCE
Graduate Thesis Project: Identification of condition-specific and differentially expressed small proteins in *E. coli* using genome-wide translation initiation profiling

Undergraduate experience: -

1. Identifying the target for the new antichlamydial benzylidene acylhyrazide, Dr. Huizhou Fan, May 2015 - May 2016
2. Anaerobic microbial respiration of selenate and nitrate, Dr. Max Haggblom, May 2014 – December 2014.

PUBLICATIONS

1. Cope AL*, **Vellappan S***, Favate JS, Skalenko KS, Yadavalli SS, and Shah P. Exploring ribosome-positioning on translating transcripts with ribosome profiling. In: Dassi E. (eds) Post-Transcriptional Gene Regulation. *Methods in Molecular Biology*. Humana Press, New York, NY (In Press). *Equal contribution.
2. Yadavalli SS, Goh T, Carey JN, Malengo G, **Vellappan S**, Nickels B, Sourjik V, Goulian M, Yuan J. Functional determinants of a small protein controlling a broadly conserved bacterial sensor kinase. *Journal of Bacteriology.* 2020.
3. Zhang H, **Vellappan S**, Tang MM, Bao X, Fan H. GrgA as a potential target of selective antichlamydials. *PLoS one*. 2019;14(3):e0212874. doi:10.1371/journal.pone.0212874

PRESENTATIONS

1. **Poster**: **Sangeevan Vellappan**, John S. Favate, Shun Liang, Kyle Skalenko, Premal Shah, Srujana S. Yadavalli. Identification of condition-specific small protein regulators in *E. coli* by Retapamulin enhanced Ribo-seq (Ribo- RET). "**Small Proteins, Big Questions**" virtual conference. **2021**
2. **Poster**: **Sangeevan Vellappan**, John S. Favate, Shun Liang, Kyle Skalenko, Premal Shah, Srujana S. Yadavalli. Identification of condition-specific small protein regulators in *E. coli* by Retapamulin enhanced Ribo-seq (Ribo- RET). "**TSS Virtual Symposium**". Virtual conference. **2021**
3. **Undergraduate Thesis Defense**. **Sangeevan Vellappan**. Benzylidene Acylhydrazides as Specific Antichlamydials. **George H. Cook Scholars Program**. Rutgers University, New Brunswick, **2016**
4. **Poster**. **Sangeevan Vellappan**., Xiaofeng Bao., and Huizhou Fan. Benzylidene Acylhydrazides as Specific Antichlamydials. **Rutgers Microbiology Symposium**. Rutgers University, New Brunswick, **2016**
5. **Poster**. **Sangeevan Vellappan**., Xiaofeng Bao., and Huizhou Fan. Benzylidene Acylhydrazides as Specific Antichlamydials. **Aresty Undergraduate Research Symposium**. Rutgers University, Piscataway, **2016**

WORK EXPERIENCE
HSBC Young Aspiring Leaders Program, Malaysia, December 2016- July 2019
Background: Highly competitive graduate program designed to provide young graduates a holistic development in banking and corporate

environment, particularly the skills involving financial crime compliance and investigations. I was sponsored by the Malaysian government to pursue undergraduate studies in Rutgers. Upon completion of my studies (2016), I was required to return and serve the Malaysian government.

POSITIONS AND HONORS

1. 2020 – 2021 Treasurer of Molecular Biosciences Graduate Student Association, Rutgers
2. 2015 – 2016 George H. Cook Scholar (senior-year honors thesis program)
3. 2015 – 2016 Aresty Research Assistant
4. 2016 – Rutgers School of Environmental and Biological Sciences Academic Achievement (Dean's List & Magna Cum Laude)
5. 2011 – 2016 Public Service Department of Malaysia Scholarship (0.08% of 18,844 applicants)
6. 2011 – SHELL Education Excellence Award

Professional Service

2021 Poster Presentation Reviewer- Effective Communications Class, Spring 2021