

CURRICULUM VITAE

Name: Jinki Yeom, PhD

Affiliation: Seoul National University
Department of Biomedical Science, College of Medicine
Department of Microbiology and Immunology, College of Medicine
Department of Clinical Medical Sciences, College of Medicine
Institute of Endemic Diseases, College of Medicine
Interdisciplinary Program in Bioinformatics, College of Natural Sciences
Interdisciplinary Program of Cancer Biology, College of Medicine

Field: Microbiology/Biochemistry/Host-pathogen interaction

Education:

2011.02 Ph.D. Korea University, College of Life Science and Biotechnology, Korea
2008.02 M.S. Korea University, College of Life Science and Biotechnology, Korea
2006.02 B.S. Korea University, College of Life Science and Biotechnology, Korea

Career:

2020.09 - present Assistant Professor, Seoul National University, South Korea
2019.04 - 2020.08 Assistant Professor, Duke-NUS Medical School, Singapore
2017.05 - 2019.02 Associate Research Scientist, Yale University, USA
2013.04 - 2017.04 Postdoctoral Associate, Yale University, USA
2012.02 - 2013.02 Post-Doctoral fellow, Korea Basic Science Institute, South Korea
2011.03 - 2011.12 Post-Doctoral fellowship, Korea University, South Korea
2011.03 - 2012.08 Lecturer, Korea University, South Korea
2011.09 - 2011.12 Lecturer, Dongguk University, South Korea
2006.03 - 2010.02 Research assistant, Korea University, South Korea

Professional Honors or Recognition:

2024.01 Extraordinary Service Award for Microbiology Spectrum journal, American Society for Microbiology
2019.10 Khoo Pilot Award (Collaborative), The Duke-NUS Centre for Clinician-Scientist Development
2012.02 Postdoc Research Fellowship for young Scientists, Korea Research Council of Fundamental Science and Technology
2010.10 Outstanding research award, Federation of Korean Microbiological Societies
2006.02 Superior Grades award of Graduation, Korea University

Conference committee work:

2019.09 – 2020.08 The Singapore International Infectious Diseases Conference (SIIDC) 2021

- 2024.01 – 2024.12 Organizing committee of The Korean Society for Microbiology and Biotechnology 2024
- 2023.10 – 2024.09 Organizing committee of Antimicrobial Resistance Symposium in Singapore

Ad hoc journal reviewer:

Journal of Microbiology and Biotechnology
Current Opinion in Immunology
Microbiology Spectrum
Journal of Bacteriology
Biofilms and Microbiomes
Journal of Microbiology

Journal editorial experience:

- 2024.04 – present Editor, Discover Bacteria (Springer Nature)
- 2023.05 – present Reviewing Editor, Microbiology Spectrum (ASM journal)
- 2021.03 – present Editor, Journal of Microbiology
- 2021.08 – present Guest editor, Pathogens
- 2021.03 – 2023.02 Guest editor, Front in Microbiology

Selected Publications

1. **Yeom J**^{*}, Groisman EA^{*}. Low cytoplasmic magnesium increases the specificity of the Lon and ClpAP proteases. *J Bacteriol*, 203(14):e0014321, 2021. (***Co-corresponding authors**) (**Cover image paper**)
 2. **Yeom J**, Groisman EA. Reduced ATP-dependent proteolysis of functional proteins during nutrient limitation speeds the return of microbes to a growth state. *Science Signal*, 14(667): eabc4235, 2021.
 3. **Yeom J**, Shao Y, Groisman EA. Small proteins regulate Salmonella survival inside macrophages by controlling degradation of a magnesium transporter. *PNAS*, 117(33): 20235-20243, 2020.
 4. Gao X^{*}, **Yeom J**^{*}, Groisman EA. The expanded specificity and physiological role of a widespread N-degron recognin. *PNAS*, 116(37):18629-18637, 2019. (***Co-first authors**)
 5. **Yeom J**, Groisman EA. Activator of one protease transforms into inhibitor of another in response to nutritional signals. *Genes Dev*, 33(17-18):1280-1292, 2019.
 6. **Yeom J**, Pontes MH, Choi J, Groisman EA. A protein that controls the onset of a *Salmonella* virulence program. *EMBO J*, 37, No. 14 (e96977), 2018.
 7. **Yeom J**, Gao X, Groisman EA. A reduction in adaptor amounts establishes degradation hierarchy among protease substrates. *PNAS*, NO. 8 (E4483-E4492), 2018.
 8. **Yeom J**, Kyle WJ, Groisman EA. Sequestration from protease adaptor confers differential stability to protease substrate. *Mol Cell* 66, No. 2 (234-246), 2017.
 9. Pontes MH, **Yeom J**, Groisman EA. Reducing Ribosome Biosynthesis Promotes Translation during Low Mg²⁺ Stress. *Mol Cell* 64, No.3 (480-492), 2016.
 10. **Yeom J**, Lee Y, Park W. ATP-dependent RecG helicase functions in bacterial transcription. *J Biol Chem* 287, No. 29 (24492-24504), 2012.
 11. **Yeom J**, Imlay JA, Park W. Iron homeostasis affects antibiotic-mediated cell death in *Pseudomonas* species. *J Biol Chem* 285, No. 29 (22689-22695), 2010.
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