




Curriculum Vitae

* CV must be written in English

Personal Information	
Title (i.e. Pf., Dr., etc.)	Assistant Professor
Name (First Name/ Middle Name /Last Name)	Kyung Ku Jang
Degree (i.e. MD, MSc, PhD, etc.)	PhD
Country	South Korea
Affiliation	Department of Anatomy, Yonsei University college of Medicine
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Educational Background	
<u>09/2011-08/2016</u>	Seoul National University, Seoul, South Korea Ph.D. Agricultural Biotechnology (<i>Thesis Advisor: Dr. Sang Ho Choi</i>)
<u>03/2007-02/2011</u>	Seoul National University, Seoul, South Korea B.A. Food Science and Technology (<i>Cum laude</i>)
Professional Career	
<u>03/2024-present</u>	Department of Anatomy, Yonsei University College of Medicine, Seoul, South Korea Assistant Professor
<u>12/2018-01/2024</u>	New York University, New York, NY, USA Postdoctoral Fellow (<i>Advisor: Dr. Ken Cadwell</i>)
<u>01/2018-11/2018</u>	University of California, Davis, Davis, CA, USA Postdoctoral Fellow (<i>Advisor: Dr. Andreas Bäumler</i>)
<u>09/2016-12/2017</u>	Research Institute of Agriculture and Life Sciences, Seoul National University, Seoul, South Korea (Technical Research Personnel for Alternative Military Service) Postdoctoral Fellow (<i>Advisor: Dr. Sang Ho Choi</i>)
Research Field	
<ol style="list-style-type: none"> 1. Interaction of Microbe-Epithelia-Immune system during gut inflammation 2. Gut-Brain axis 3. Patient-derived intestinal organoids 4. Translational research 	
Main Scientific Publications	
<ol style="list-style-type: none"> 1. Jang KK[#], D Hudesman, DR Jones, P Loke, J Axelrad[#], and K Cadwell[#], and Tofacitinib Working Group. 2024. Tofacitinib uptake by patient-derived intestinal organoids predicts individual clinical responsiveness. <i>Gastroenterol.</i> Article in press ([#]Co-corresponding authors) 2. Jang KK, T Heaney, M London, Y Ding, G Putzel, F Yeung, D Ercelen, YH Chen, J Axelrad, S Gurunathan, M Podkowik, N Arguelles, A Srivastava, B Shopsin, VJ Torres, M Keestra-Gounder, A Pironti, M Griffin, H Hang, and K Cadwell. 2023. Antimicrobial overproduction sustains intestinal inflammation by inhibiting <i>Enterococcus</i> colonization. <i>Cell Host Microbe.</i> 31:1-19 (First author) 3. Jang KK, M Kaczmarek, D Simone, YH Chen, T Tada, J Axelrad, NR Landau, K Stapleford, and K Cadwell. 2022. Variable susceptibility of intestinal organoid-derived monolayers to SARS-CoV-2 infection. <i>PLoS Biol.</i> 20:e3001592 (First author) 4. Lin X*, Gaudino SJ*, Jang KK*, T Bahadur, A Singh, A Banerjee, M Beaupre, T Chu, HT Wong, C-K Chang, C Kempen, J Axelrad, H Huang, S Khalid, V Shah, O Eskiocak, OB Parks, A Berisha, JP McAleer, M Good, M Hoshino, R Blumberg, AB Bialkowska, S Gaffen, JK Kolls, S Beyaz, K Cadwell, and P Kumar. 2022. IL-17RA signaling in Lgr5+ intestinal stem 	



cells induces expression of transcription factor ATOH1 to promote secretory cell lineage commitment. *Immunity*. **55**:1-17 (*Co-first authors)

5. **Choi GR***, **Jang KK***, **JG Lim**, **ZW Lee**, and **SH Choi**. 2020. The transcriptional regulator IscR integrates host-derived nitrosative stress and iron starvation in the activation of the *vhBA* operon in *Vibrio vulnificus*. *J. Biol. Chem.* **295**:5350-5361 (*Co-first authors)