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**	
E-mail	**kyungkujang@yuhs.ac**	

Educational Background

09/2011-08/2016	**Seoul National University, Seoul, South Korea** Ph.D. Agricultural Biotechnology (*Thesis Advisor: Dr. Sang Ho Choi*)
03/2007-02/2011	**Seoul National University, Seoul, South Korea** B.A. Food Science and Technology (*Cum laude*)

Professional Career

03/2024-present	**Department of Anatomy, Yonsei University College of Medicine, Seoul, South Korea** Assistant Professor
12/2018-01/2024	**New York University, New York, NY, USA** Postdoctoral Fellow (*Advisor: Dr. Ken Cadwell*)
01/2018-11/2018	**University of California, Davis, Davis, CA, USA** Postdoctoral Fellow (*Advisor: Dr. Andreas Bäumler*)
09/2016-12/2017	**Research Institute of Agriculture and Life Sciences, Seoul National University, Seoul, South Korea** (Technical Research Personnel for Alternative Military Service) Postdoctoral Fellow (*Advisor: Dr. Sang Ho Choi*)

Research Field

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

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. Gastroenterol. **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 *Enterococcus* colonization. Cell Host Microbe. **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. PLoS Biol. **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

an iron starvation in the activation of the *vvhBA* operon in *Vibrio vulnificus*. J. Biol. Chem. **295**:5350-5361 **(*Co-first authors)**