Curriculum Vitae

Sung Gyoo Park

Research Field: Immunology & Virology

Education
2000-2003, Ph.D. Seoul National University (Advisor: Dr. Guhung Jung)
1998-2000, M.S. Seoul National University (Advisor: Dr. Guhung Jung)
1994-1998, B.S. Seoul National University

Employment
2021-present, Professor, College of Pharmacy, Seoul National University
2019-2021, Dean of International and Public Affairs, GIST
2017-2021, Professor, School of Life Sciences, GIST
2017-2019, Director of Research Safety Center, GIST
2014-2017, Associate professor, School of Life Sciences, GIST
2009-2014, Assistant professor, School of Life Sciences, GIST
2009-2009, Research Associate, Department of Microbiology & Immunology, Columbia University (Advisor: Dr. Sankar Ghosh)
2006-2009, Postdoctoral Associate, Department of Immunobiology, Yale Medical School, (Advisor: Dr. Sankar Ghosh)
2005-2006, Senior Researcher, Institute of Microbiology, Seoul National University
2004-2005, Researcher, Institute of Microbiology, Seoul National University
2003-2004, BK21 Postdoctoral Trainee, School of Biological Sciences, Seoul National University

Academic activities
2005-present, Korean Society for Biochemistry and Molecular Biology, Member
2010-present, Korean Society for Molecular and Cellular Biology, Member
2006-present, Korean Association of Immunologists, Member
2006-present, The American Association of Immunologists, Member
2009-present, International Journal of Cancer Immunology & Immunotherapy, Editorial Board Member
2009-present, American Journal of Clinical and Experimental Immunology, Editorial Board Member, Editorial Board Member

Awards
7. 2019. 12: Minister of Health and Welfare Award
6. 2015. 11: Excellent Paper Award, Korean Association of Immunologists
5. 2014. 01: Blue Ribbon Lecture at KSMCB winter camp
4. 2012. 11: Award for Good Research from GIST
3. 2001. 11: Good Research Award from the Korean Society for Microbiology.
2. 2002. 10: Travel award at the Meeting of Molecular Biology of Hepatitis B Viruses, Asiloma Conference Ground, CA, USA.
1. 2004. 6: Good Research Award at the 5th Meeting of BK21 Seoul National University-Sungkyunkwan University, Seoul National University, Seoul, Korea.

Brief Biography

Sung-Gyoo Park is a professor in the School of Life Sciences at the Gwangju Institute of Science and Technology (GIST). He was born in 1975 and grew up in Seoul, Republic Korea. He earned BS, MS, and the PhD degree at Seoul National University (SNU) and did PostDoc Researcher in the Institute of Microbiology in SNU for 3 years. After the training in SNU, he joined Dr. Sankar Ghosh Lab (Department of Immunobiology at Yale Medical School) and studied the mechanism of T cell receptor-mediated T cell activation. After the training at Yale, he joined Gwangju Institute of Science Technology as an assistant professor, associate professor, and professor from 2009 to 2021. 2021, he moved to Seoul national University from GIST. Currently, the main topic of his laboratory is the regulation of neuronal inflammation induced by viral infection and inhibitor development for blocking of viral replication.

Publications (Selected)

13. Jung-Ah Kang, Songwon Kim, Minji Park, Hyun-Jin Park, Jeong-hyun Kim, Sanghyeok Park, Jeong-Ryul Hwang, Yong-Chul Kim, Yoon Jun Kim, Yuri Cho,* & Mi Sun Jin,* and **Sung-Gyoo Park***. Compound AC inhibits Hepatitis B Virus secretion by blocking capsid assembly. ***Nature Communications***. 10(1):2184. 2019 May. *Co-correspondence
12. Eunkyong Ko, Jong-Seo Kim, Soomi Ju, Hyun-Wook Seo, Yeonji Chang, Jung-Ah Kang, **Sung-Gyoo Park***, and Guhung Jung*. 2018. Oxidatively modified PDIA3 promotes DKC1-mediated malignancy and survival of hepatocellular carcinoma cells. ***Hepatology***, 68(5):1851-1864. 2018 Nov. *Co-correspondence
11. Cho-Rong Lee, Yewon Kwak, Taewoo Yang, Jung Hyun Han, Sang-Heon Park, Michael B. Ye, Wongeun Lee, Kyu-Young Sim, Jung-Ah Kang, Yong-Chul Kim, Sarkis K. Mazmanian, and **Sung-Gyoo Park**. 2016. Myeloid derived suppressor cells are controlled by regulatory T cells via TGF-β during murine colitis. ***Cell Reports***, 17(12):3219-3232. 2016 Dec
10. Jieun Seo, Jung-Ah Kang, Dong In Suh, Eun-Byeol Park, Cho-Rong Lee, Sun Ah Choi, Soo Yeon Kim, Yeji Kim, Sang-Heon Park, Soon-Hak Kwon, June Dong Park, Byung Chan Lim, Dong Hun Lee, Suk-Jo Kang, Murim Choi*, **Sung-Gyoo Park***, Jong-Hee Chae*. 2016. Tofacitinib relieves symptoms in STING-associated vasculopathy with onset in infancy caused by two *de novo* variants in *TMEM173*. ***Journal of Allergy and Clinical Immunology***, 139(4):1396-1399. *Co-correspondence
9. Jung-Ah Kang, Sang-Heon Park, Sang Phil Jeong, Min-Hee Han, Cho-Rong Lee, Kwang-Min Lee, Namhee Kim, Mi-Ryoung Song, Murim Choi, Michael B. Ye, Guhung Jung, Won-Woo Lee, Soo Hyun Eom, Chul-Seung Park, and **Sung-Gyoo Park**. 2016. Epigenetic regulation of *Kcna3*-encoding Kv1.3 potassium channel by cereblon contributes to regulation of $CD4^+$ T cell activation. ***Proceedings of the National Academy of Sciences USA***, 113(31):8771-8776. 2016 Aug
8. Sangmoon Lee, Jin Soo Moon, Cho-Rong Lee, Hye-Eun Kim, Sun-Mi Baek, Solha Hwang, Gyeong

Hoon Kang, Jeong Kee Seo, Choong Ho Shin, Hyoung Jin Kang, Jae Sung Ko*, **Sung Gyoo Park***, Murim Choi*. 2015. Abatacept alleviates severe autoimmune symptoms in a patient carrying a de novo variant in CTLA-4. ***Journal of Allergy and Clinical Immunology***, 137(1):327-330. *Co-correspondence

7. Jung-Ah Kang, Sang Phil Jeong, Daeho Park, Matthew S. Hayden, Sankar Ghosh, and **Sung-Gyoo Park.** 2013. Transition from heterotypic to homotypic PDK1 homodimerization is essential for TCR-mediated NF-κB activation. ***Journal of Immunology***, 190(9): 4508-4515. May 1, 2013
6. Ramkumar Mathur, Hyunju Oh, Dekai Zhang, **Sung-Gyoo Park**, Jin Seo, Alicia Koblansky, Matthew S. Hayden, Sankar Ghosh. 2012. A Mouse Model of *Salmonella* Typhi Infection. ***Cell***, 151(3): 590-602. Oct 26, 2012
5. **Sung-Gyoo Park**, Meixiao Long, Ramkumar Mathur, Matthew S. Haden, Namiko Hosh, Liming Hao, Sankar Ghosh. 2010. Suppression of TCRgd T-cells by T-regulatory cells helps maintain intestinal homeostasis. ***Immunity***, 33(5): 791-803. Nov 24, 2010
4. Meixiao Long, **Sung-Gyoo Park**, Ian Strickland, Matthew S. Hayden and Sankar Ghosh. 2009. Nuclear Factor-kB Modulates Regulatory T Cell Development by Directly Regulating Expression of Foxp3 Transcription Factor. ***Immunity***, 31(6): 921-931. Dec 18, 2009
3. **Sung-Gyoo Park**, Jan Schulze-Luehrman, Matthew S. Hayden, Naoko Hashimoto, Wataru Ogawa, Masato Kasuga and Sankar Ghosh. 2009. The kinase PDK1 integrates T cell antigen receptor and CD28 coreceptor signaling to induce NF-kappaB and activate T cells. ***Nature Immunology***, 10(2): 158-166. Feb 1, 2009
2. **Sung Gyoo Park**, Hyun Mi Ryu, Seong-oe Lim, Yong-il Kim, Soon B. Hwang, and Guhung Jung. 2005. Interferon-g Inhibits Hepatitis B Virus-Induced NF-κB Activation through Nuclear Localization of NIK. ***Gastroenterology***, 128:2042-2053.
1. **Sung Gyoo Park**, Guhung Jung. 2001. Human Hepatitis B Virus Polymerase Interacts with the Molecular Chaperonin Hsp60. ***Journal of Virology***, 75: 6962-6968.