

## Seung Hyun Ryu

Graduate Student, Interdisciplinary Program in Neuroscience  
Seoul National University

### CONTACT INFORMATION

103 Daehak-ro Jongno-gu, Seoul, Republic of Korea (03080)  
Seoul National University College of Medicine, Biomedical Bldg Rm 314

e-mail: rsh5410@snu.ac.kr  
mobile: +82-10-5471-0650  
website: <https://seunghyunryu.info>

### EDUCATION

2021 - 2023 M.S. in Interdisciplinary Program in Neuroscience,  
Seoul National University (Advisor: Dr. Sunghoe Chang)  
2016 - 2020 B.E. in Department of Control and Instrumentation Engineering and  
Department of Biomedical Engineering (double major), Korea University

### PROFESSIONAL EXPERIENCE

2021 - 2023 **Graduate student**, Interdisciplinary Program in Neuroscience M.S. Program,  
Seoul National University  
2020 - 2021 **Researcher**, Department of Physiology and Biomedical Sciences,  
Seoul National University College of Medicine

### HONORS & AWARDS

2021 - 2022 Research Grant of Basic Science Research Program,  
Seoul National University  
2018 Poster Award, Annual Capstone Design Conference, Korea University  
2017 Poster Award, Annual Academic Conference on Electro-Mechanical  
Systems Engineering, Korea University  
2016 Poster Award, Annual Academic Conference on Control and Instrumentation  
Engineering, Korea University  
2016 Academic Excellence Award, Korea University

### PUBLICATIONS

2. Lee U, Ryu SH, Chang S. (2021). SCAMP5 mediates activity-dependent enhancement of NHE6 recruitment to synaptic vesicles during synaptic plasticity. *Mol Brain*. 14(1):47  
1. Lee U, Choi C, Ryu SH, Park D, Lee S-E, Kim K, Kim Y, Chang S. (2021). SCAMP5 plays a critical role in axonal trafficking and synaptic localization of NHE6 to adjust quantal size at glutamatergic synapses. *Proc Natl Acad Sci U S A*. 118(82):1–81.

### TEACHING

2022 *Teaching Assistant*. Principles of Neuroscience 1, Seoul National University  
2022 *Teaching Assistant*. Seminars in Neuroscience 1, Seoul National University  
2017 *Teaching Assistant*. General Physics, Korea University