

Curriculum Vitae

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Sang-Hyun Rah, B.S.

Education and Training

- 2012-Present Ph.D. candidate in Physics
KAIST, Daejeon, Korea
- 2007-2012 B.S. in Bio and Brain Engineering (Double major: Physics)
KAIST, Daejeon, Korea
- 2009-2010 Exchange student
Georgia Institute of Technology, Atlanta, GA

Publications

[1] Je-Kyung Ryu*, Duyoung Min*, **Sang-Hyun Rah***, Soo Jin Kim, Yongsoo Park, Haesoo Kim, Changbong Hyeon, Ho Min Kim, Reinhard Jahn, and Tae-Young Yoon, "Spring-loaded unraveling of a single SNARE complex by NSF in one round of ATP turnover", **Science**, **347**, 1485-1489 (2015).

* Equal contribution

[2] Je-Kyung Ryu*, Soo Jin Kim*, **Sang-Hyun Rah**, Ji In Kang, Hi Eun Jung, Heung-Kyu Lee, Jie-Oh Lee, Beom Seok Park, Tae-Young Yoon, and Ho Min Kim, "Reconstruction of LPS transfer cascade reveals structural determinants within LBP, CD14 and TLR4-MD2 for efficient LPS recognition and transfer", **Immunity**, **46**, 1-13 (2017).

[3] Changwon Kim, **Sang-Hyun Rah**, and Tae-Young Yoon, "Structural insights on ATP hydrolysis-driven mechanical work of AAA+ hexamers", **Biodesign**, **5**, 1-11 (2017).

Honors and Awards

- [1] Pre-doctoral Fellow of Physics, Sep. 2015, Dept. of Physics, KAIST.
- [2] Promising Young Scientist of Korea, Oct. 2016, The Korean Academy of Science and Technology.