

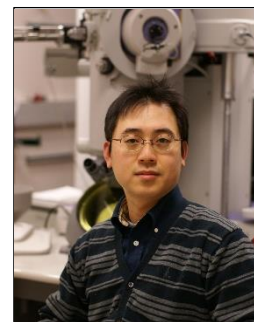
Name Ho Min Kim

Department KAIST

Graduate School of Medical Science and Engineering

291 Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea

www.kaistdmbi.or / hm_kim@kaist.ac.kr



Education

2005 Ph.D. Biological Science, KAIST

2001 MS in Biological Science, KAIST

1999 BS in Biological Science, KAIST

Positions held

2016-present Associate Professor, Graduate School of Medical Science and Engineering, KAIST, Korea

2011-2016 Assistant Professor, Graduate School of Medical Science and Engineering, KAIST, Korea

2007-2011 Post Doc, Department of Biophysics & Biochemistry, UC San Francisco, USA

2005-2007 Post Doc, Department of Chemistry, KAIST, Korea

Awards & Honours

Asan Award in Medicine for Young Medical Scientists (2018), KAIST Top 10 Representative Researches Award (2018), Award for Academic Excellence, Korean Society for structural biology (2017), Award for Academic Excellence, KAIST (2017), Ewon Assistant Professor, KAIST (2015), Agarwal Award, BMRC, KAIST (2009), Award for Young Scientist, Ministry of Science & Technology, Republic of Korea (2007)

Current editorial boards

BioDesign Journal, Molecules and Cells Journal

Selected committee work

2013-present Organizing Committee, Korean Society for Structural Biology

2017-present Academic Affair Committee, Korean Crystallographic Association

2007-present Academic Research Awards Committee, Korean Society for Molecular and Cellular Biology

Five selected (recent) publications

1. Ahn B, Lee S-G, Yoon HR, Lee JM, Oh HJ, **Kim HM***, Jung Y*. (2018)

Four-fold Channel-Nicked Human Ferritin Nanocages for Active Drug Loading and pH-Responsive Drug Release.

Angew. Chem. Int. Ed. Engl. 57(11), pp. 2909-2913

2. Kim JA, Kim D, Won SY, Han KA, Park D, Cho E, Yun N, An HJ, Um JW, Kim E, Lee JO, Ko J*, **Kim HM***. (2017)

Structural Insights into Modulation of Neurexin-Neuroigin Trans-synaptic Adhesion by MDGA1/Neuroigin-2 Complex.

Neuron 94(6), pp. 1121-1131, Selected as Issue Highlights.

3. Ryu J-K, Kim SJ, Rah S-H, Kang JI, Jung HE, Lee D, Lee HK, Lee J-O, Park BS, Yoon T-Y*, **Kim HM***. (2017)

Reconstruction of LPS transfer cascade reveals structural determinants within LBP, CD14 and TLR4-MD2 for efficient LPS recognition and transfer

Immunity 46(1), pp. 38-50

4. Um JW, Kim KH, Park BS, Choi Y, Kim D, Kim CY, Kim SJ, Kim MH, Ko JS, Lee S-G, Choi G, Nam J, Heo WD, Kim E, Lee J-O, Ko J*, **Kim HM***. (2014)

Structural basis for LAR-RPTP/Slitrk complex-mediated synaptic adhesion.

Nature Communications, 5:5423.

5. **Kim HM***, Park BS*, Kim JI, Kim SE, Lee J, Oh SC, Enkhbayar P, Matsushima N, Lee H, Yoo OK, Lee JO. (2007)

Crystal structure of the TLR4-MD-2 complex with bound endotoxin antagonist Eritoran.

Cell 130(5), pp. 906-17