Curriculum Vitae

PERSONAL

Youngbin Lim Department of Bioengineering Stanford University Shriram Center, Rm 037 443 Via Ortega, Stanford, CA 94305 email: yblim@stanford.edu

EDUCATION

Ph.D.	Biophysics and Chemical Biology, 2015 Seoul National University Research Advisor: Prof. Seong Keun Kim Thesis Title: "Biophysical Studies of Protein-Nucleic Acids Inter and Single-Molecule Fluorescence Spectroscopy"	raction Using Ensemble
B.S.	Chemistry, 2009 Seoul National University	
RESEARCH EXPERIENCE7/2016 – presentDevelopmental Biology7/2016 – presentStanford University (Stanford, CA, USA)7/2016 – presentAdvisor: Prof. Bo Wang (as a postdoctoral associate)7/2016 – present		
Biological physical chemistry1BK21 Interdisciplinary Center for Cellular Dynamics (Seoul, Korea)1Seoul National University (as a postdoctoral fellow)1		10/2015 - 6/2016
Seoul Nationa	<i>ingle-molecule enzymology</i> al University (Seoul, Korea) 2 Seong Keun Kim studies)	9/2009 - 8/2015
Advisor: Prof	e <u>rface</u> ersity (Cambridge, MA, USA) 2 Hongkun Park ational Internship Program)	1/2012 - 9/2012
Iowa State Ur Advisor: Prof	r <u>uctural biology</u> niversity (Ames, IA, USA) 2 Yeon-Kyun Shin rgraduate Research Program)	2/2009 - 8/2009

HONOR

National Junior Researcher Fellowship (\$ 50,000/year in my own research fund) from National Research Foundation of Korea	2010 - 2015
National Science & Technology scholarship from National Research Foundation of Korea	2004

PUBLICATIONS

- <u>Youngbin Lim</u>, So Young Bak, Keewon Sung, Euihwan Jeong, Seung Hwan Lee, Jin-Soo Kim, Sangsu Bae and Seong Keun Kim; Structural roles of guide RNAs in the nuclease activity of Cas9 endonuclease. *Nat. Commun.*, 7:13350 (2016)
- Minsik Kim, Hee Jung Kim, Sang Hyeon Son, Hye-Jin Yoon, <u>Youngbin Lim</u>, Jong Woo Lee, Yeong-Jae Seok, Kyeong Sik Jin, Yeon Gyu Yu, Seong Keun Kim, Sangryeol Ryu, and Hyung Ho Lee; Non-Canonical DNA Binding Mode of Repressor and its Disassembly by Antirepressor, *Proc. Nat. Acad. Sci. U.S.A.*, **113**, 2480 (2016)
- Jiwoong Kwon*, <u>Youngbin Lim</u>*, Jiwon Jung and Seong Keun Kim; New Sub-diffraction-limit Optical Microscopy Technique: Dual-point Illumination AND-gate Microscopy on Nanodiamonds (DIAMOND), *Opt. Express*, **20**, 13347 (2012) *equal contribution

PRESENTATIONS

<u>Youngbin Lim</u>, Jin-Moo Lee, Younggyu Kim, Yong-Joo Jeong and Seong Keun Kim; Single-molecule study for cooperative translocation motion of nsP13 helicase during duplex DNA unwinding; Poster presentation *(Awarded)* 108th Korean Chemical Society Meeting, Daejeon, Korea (09/2011)

<u>Youngbin Lim</u>, Hye Ran Koh, Yoonhee Park and Seong Keun Kim; Real-time Single-Molecule Observation of the Proofreading Process during DNA Replication; Poster presentation 54th Biophysical Society Annual Meeting, San Francisco, USA (02/2010)