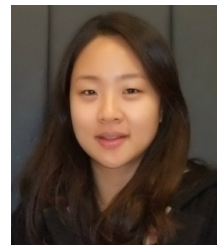


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Education

Massachusetts Institute of Technology	Chemical Engineering	Ph.D., 2015
Seoul National University, Seoul, South Korea	Chemical and Biological Engineering	M.S., 2008
Seoul National University, Seoul, South Korea	Chemical and Biological Engineering	B.S., 2006

Research Interests

Structure of Bottlebrush Polymers at Interfaces; Isotope Effects on Physical Properties of Polymers including Crystallization/Melting Behaviors and Miscibility.

Professional Experience

2016-Present Postdoctoral Research Associate, Center for Nanophase Materials Sciences

Fellowships and Honors

2011	MIT -Harvard Center of Cancer Nanotechnology Excellence (CCNE) Graduate Support
2009	Tae-Sup Lee Graduate Fellowship
2006-2008	Ministry of Education & Human Resources Brain Korea 21 Research Fellowship
2006	Alumni Association President Award, School of Engineering, Seoul National University
2002-2006	Full Tuition Academic Achievement Scholarships, Seoul National University

Publications

1. Dongsook Chang, Aaron Huang, and Bradley D. Olsen, Kinetic Effects on Self-Assembly of Protein-Polymer Bioconjugates in Thin Films Prepared by Flow Coating, *Macromolecular Rapid Communications*, 2017, 1600449.
2. Dongsook Chang and Bradley D. Olsen, Self-Assembly of Protein-Zwitterionic Polymer Bioconjugates into Nanostructured Materials, *Polymer Chemistry*, 2016, 7, 2410-2418.
3. Christopher N. Lam, Dongsook Chang, Muzhou Wang, Wei-Ren Chen, and Bradley D. Olsen, The Shape of Protein-Polymer Conjugates in Dilute Solution, *Journal of Polymer Science, Part A: Polymer Chemistry*, 2016, 54 (2), 292-302.
4. Guokui Qin, Matthew J. Glassman, Christopher N. Lam, Dongsook Chang, Eric Schaible, Alexander Hexemer, and Bradley D. Olsen, Topological Effects on Globular Protein-ELP Fusion Block Copolymer Self-Assembly, *Advanced Functional Materials*, 2015, 25, 729-738.
5. Christopher N. Lam, Dongsook Chang, Bradley D. Olsen, Protein Nanopatterning, *Carbon Nanomaterials for Biomedical Applications* (Book Chapter).
6. Dongsook Chang, Christopher N. Lam, Shengchang Tang, and Bradley D. Olsen, Effect of Polymer Chemistry on Globular Protein-Polymer Block Copolymer Self-Assembly, *Polymer Chemistry*, 2014, 5, 4884-4895 (Front cover).
7. Christopher N. Lam, Minkyu Kim, Carla S. Thomas, Dongsook Chang, Gabriel E. Sanoja, Chimdimma U. Okwara, and Bradley D. Olsen, The Nature of Protein Interactions Governing Globular Protein-Polymer Block Copolymer Self-Assembly. *Biomacromolecules*, 2014, 15 (4), 1248-1258.
8. Zhiyong Poon, Dongsook Chang, Xiaoyong Zhao, and Paula T. Hammond, Layer-by-Layer Nanoparticles with a pH-Sheddable Layer for in Vivo Targeting of Tumor Hypoxia, *ACS Nano*, 2011, 5 (6), 4284-4292 (Front cover).
9. Hae-Min Park, Byung-Gee Kim, Dongsook Chang, Sailesh Malla, Hwang-Soo Joo, Eun-jung Kim, Sei-Jin Park, Jae Kyung Sohng and Pyoung Il Kim, Genome-Based Cryptic Gene Discovery and Functional Identification of NRPS Siderophore Peptide in *Streptomyces peucetius*, *Applied Microbiology and Biotechnology*, 2013, 97 (3), 1213-1222.

Graduate and Postdoctoral Advisors

Ph.D. Advisors: Bradley D. Olsen (MIT)

Postdoctoral Advisors: Bobby G. Sumpter (ORNL), Kunlun Hong (ORNL)