Curriculum Vitae

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Controlled Release and Delivery Lab
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EDUCATION

- **Ph. D.** in Polymer Chemistry and Physics, Nankai University, China, supervisor Prof. Baolong Zhang, 2008.6
  Dissertation title: Synthesis and Self-assembly of Polypeptide-based Block Copolymers
- **Master** in Polymer Chemistry and Physics, Nankai University, China, supervisor Prof. Baolong Zhang, 2005.6
  Dissertation title: Synthesis and Application of Polytetrahydrofuran-based Block Copolymers
- **Bachelor** in Chemistry, Nankai University, China, supervisor Prof. Wenjun Zheng, 2001.6

PROFESSIONAL PROFILE

- **Research Scientist III**, King Abdullah University of Science and Technology, KSA, 2011.5 - present
- **Postdoctoral Fellow**, King Abdullah University of Science and Technology, KSA, 2010.6 - 2011.5
- **Postdoctoral Fellow**, Peking University, China, 2008.7 - 2010.6

PUBLICATIONS

- Yang, X.; Moosa, B. A.; **Deng, L**.; Zhao, L.; Khashab, N. M., pH-triggered micellar membrane for controlled release microchips. *Polymer Chemistry* **2011,** *2*, 2543-2547.
- **Deng, L**.; Wang, C.; Li, Z.-C.; Liang, D., Re-examination of the "Zipper Effect" in Hydrogen-Bonding Complexes. *Macromolecules* **2010,** *43*, 3004-3010.
- **Deng, L**.; Liang, D.-H., Online Monitoring of the Aggregation and Fusion of DPPC/PA by Static and Dynamic Light Scattering. *Acta Physico-Chimica Sinica* **2010,** *26*, 862-868.
- **Deng, L**.; Shi, K.; Zhang, Y.; Wang, H.; Zeng, J.; Guo, X.; Du, Z.; Zhang, B., Synthesis of well-defined poly(*N*-isopropylacrylamide)-*b*-poly(L-glutamic acid) by a versatile approach and micellization. *Journal of Colloid and Interface Science* **2008,** *323*, 169-175.
- Zeng, J.; Shi, K.; Zhang, Y.; Sun, X.; **Deng, L**.; Guo, X.; Du, Z.; Zhang, B., Synthesis of poly(*N*-isopropylacrylamide)-*b*-poly(2-vinylpyridine) block copolymers via RAFT polymerization and micellization behavior in aqueous solution. *Journal of Colloid and Interface Science* **2008,** *322*, 654-659.

RESEARCH INTEREST

My research interests mainly focus on controlled drug release and delivery of biocompatible systems (self-assembly/complexation of polymers, liposomes and hydrogels); polymer architecture

via living polymerization (ATRP, ROP, RAFT etc.); interactions of liposomes with ions, peptides, polymers and etc; carbon nanotube based polymer composites.