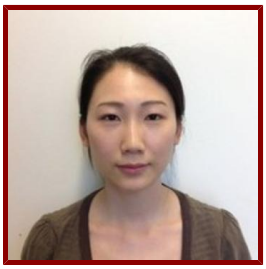
Stanford



Sijie Wei

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PROFESSIONAL EDUCATION

- Doctor of Philosophy, Pennsylvania State University (2015)
- Bachelor of Chemistry, University of Science and Technology of China (2008)

STANFORD ADVISORS

- Steven Chu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Single-molecule fluorescence spectroscopy to probe structural dynamics of a macromolecular complex at a sub-nm and sub-ms resolution**
  Wei, S., Kim, J., Lee, J., Lee, T.
  AMER CHEMICAL SOC.2017
- **Chromatin structure-dependent conformations of the H1 CTD.** *Nucleic acids research*
  Fang, H., Wei, S., Lee, T., Hayes, J. J.
  2016; 44 (19): 9131-9141
- **Single-Molecule Observation Reveals Spontaneous Protein Dynamics in the Nucleosome** *JOURNAL OF PHYSICAL CHEMISTRY B*
  Kim, J., Wei, S., Lee, J., Yue, H., Lee, T.
  2016; 120 (34): 8925-8931
- **Single-Molecule Studies of the Linker Histone H1 Binding to DNA and the Nucleosome** *BIOCHEMISTRY*
  Yue, H., Fang, H., Wei, S., Hayes, J. J., Lee, T.
  2016; 55 (14): 2069-2077
- **A novel hybrid single molecule approach reveals spontaneous DNA motion in the nucleosome** *NUCLEIC ACIDS RESEARCH*
  Wei, S., Falk, S. J., Black, B. E., Lee, T.
  2015; 43 (17): E111-U48
- **Sumoylated Human Histone H4 Prevents Chromatin Compaction by Inhibiting Long-range Internucleosomal Interactions** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Dhall, A., Wei, S., Fierz, B., Woodcock, C. L., Lee, T., Chatterjee, C.
  2014; 289 (49): 33827-33837
- **Charge transfer and retention in directly coupled Au-CdSe nanohybrids** *NANO RESEARCH*
  Gao, B., Lin, Y., Wei, S., Zeng, J., Liao, Y., Chen, L., Goldfeld, D., Wang, X., Luo, Y., Dong, Z., Hou, J.
  2012; 5 (2): 88-98

- **Effects of Histone Acetylation by Piccolo NuA4 on the Structure of a Nucleosome and the Interactions between Two Nucleosomes** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Lee, J. Y., Wei, S., Lee, T.
  2011; 286 (13): 11099-11109

- **DNA Methylation Increases Nucleosome Compaction and Rigidity** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Choy, J. S., Wei, S., Lee, J. Y., Tan, S., Chu, S., Lee, T.
  2010; 132 (6): 1782-?

- **Fluorescence decay of quasimonolayered porphyrins near a metal surface separated by short-chain alkanethiols** *APPLIED PHYSICS LETTERS*
  Zhang, X., Chen, L., Lv, P., Gao, H., Wei, S., Dong, Z., Hou, J. G.
  2008; 92 (22)