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Dr. Peng received B.Sc. in Chemistry (2008) and Ph.D. in Analytical Chemistry (2014), both from Wuhan University (Wuhan, China). With the support from China Scholarship Council, he pursued his doctoral research in Analytical and Environmental Toxicology at the University of Alberta (Canada) (2011-2013).

Dr. Peng's research interest includes: (a) studies of arsenic species in environmental and biological systems, (b) development of ultra-sensitive techniques and assays for biomolecules, and (c) construction of DNA nanomachines for imaging and modulating molecular targets in live cells.