

## Speaker Profile



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### Dr Jungbae (JB) Kim

Senior Research Scientist

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**Dr. Kim** is a Senior Research Scientist at the Pacific Northwest National Laboratory (PNNL). His Nanobiotechnology Lab in PNNL is an expert in the enzyme stabilization using various nano-structured materials. He has published 34 papers in this emerging field of nanobiocatalysis, and gave numerous invited presentations. He filed 9 patents and patent applications on nanobiocatalytic techniques. His current research thrust is to apply nano-structured materials and stabilized enzyme systems to biosensors, bioremediation, trypsin digestion, and biofuel cells.

Dr. Kim received his B.S. and M.S. in Chemical Engineering from Seoul National University, Korea, and his Ph.D. in Biochemical Engineering from the University of Iowa. Before joining PNNL, he was an Assistant Research Scientist at Rensselaer Polytechnic Institute.

Dr. Kim is a member of ACS, AIChE and ECS, and serves as a council member of KICChE. He has organized symposia on "Nanobiocatalysis" and "Biofuel Cells" in the meetings of these societies and Biochemical Engineering Meeting. He serves as a member of editorial boards of *The Open Materials Science Journal* and *The Open Biotechnology Journal*. He is also an editor for an ACS Symposium Series Book, titled "Nanoscale Science and Technology in Biomolecular Catalysis".