

Adventures in Biodetection – from Sensor to Reagent Development

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Dr. Baird directs the Affinity Reagent Group at PNNL. She is a protein biochemist whose scientific career split between academia, government and industry. Her postdoctoral research performed with David Myszka at the University of Utah focused on molecular analysis of protein-lipid and protein-drug interactions. Prior to joining PNNL, she worked in the biotechnology sector leading a research team to develop high throughput biosensors and applications. Currently at PNNL, Dr. Baird's group is focused on engineering antibodies and antibody-like molecules for the detection of the biological signatures associated with cancers as well as biological weapons. Her talk today will highlight her experiences developing biosensors from the perspective of the sensing platform to the individual sensing molecules.