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Associate Professor Xiangqun Zeng Uses Gold Nanoparticles In Her Biomedical Research

CBR member **Xiangqun Zeng**, an Associate Professor in the **Department of Chemistry**, specializes in the development of new and sophisticated methods and instruments for biomedical research. In the May 2009 issue of **Biosensors and Bioelectronics**, Zeng and her team--including postdoc **Yang Liu**, who was first author on the paper--published a study on how to use **Single Chain Fragment Variable Recombinant Antibody Functionalized Gold Nanoparticles for a Highly Sensitive Colorimetric Immunoassay** (Volume: 24, Pages: 2853-2857). Their method makes use of small "nano" particles of gold. They conclude that

"With the advantages of speed, simplicity and specificity, the colorimetric **immunoassay** based on the functionalized [single chain fragment variable recombinant antibodies] stabilized gold [nano particles] represents a promising tool for use in protein analysis and clinical diagnostics."

Zeng's research is supported by a grant from the **National Institutes of Health**.

SUMMARY

CBR member Xiangqun Zeng, an Associate Professor in the Department of Chemistry, specializes in the development of new and sophisticated methods and instruments for biomedical research.

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