Meet the Guest Editors

Nicola Oberbeckmann-Winter

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For the third time, a special issue featuring *Young Investigators in Analytical and Bioanalytical Science* has been prepared by an international team of five leading scientists. We invite you to meet the Guest Editors of this special issue in the following bibliographic portraits.

Sylvia Daunert is the Lucille P. Markey Chair of Biochemistry and Molecular Biology at the Miller School of Medicine of the University of Miami, USA. Previously, she was the Gill Eminent Professor of Chemistry at the University of Kentucky, USA, where she had a secondary appointment in Pharmaceutical Sciences. Dr. Daunert's research interests lie in the area of bionanotechnology at the interface between analytical biochemistry, molecular biology, and bioengineering. Her group employs recombinant DNA technology to design new molecular diagnostic tools and biosensors based on genetically engineered proteins and cells that find biomedical, environmental, and pharmaceutical applications. Additionally, the research of the group focuses on the design of sensing arrays for the detection of molecules in small volumes and microfluidic platforms, and in the development of biomaterials for responsive drug-delivery systems.

Lucille P. Markey Chair of Biochemistry and Molecular Biology
Miller School of Medicine, University of Miami
Department of Biochemistry and Molecular Biology
Miami, FL 33916, USA
e-mail: SDaunert@med.miami.edu

N. Oberbeckmann-Winter (✉)
Analytical and Bioanalytical Chemistry, Springer,
Tiergartenstrasse 17,
69121 Heidelberg, Germany
e-mail: abc@springer.com

Jörg Bettmer received his Ph.D. from the University of Münster, Germany (under the supervision of Professor Karl Cammann), and his habilitation in analytical chemistry at the University of Mainz, Germany (Professor Klaus G. Heumann). In 2007, he joined the research group of Professor Alfredo Sanz-Medel (University of Oviedo, Spain) as a Ramón y Cajal researcher. His research interests are focused on the development and application of hyphenated techniques, mainly using ICP-MS, in the fields of elemental speciation, metallomics, and quantitative proteomics and genomics. Additionally, the mass spectrometric characterization and analysis of engineered nanoparticles is an active research area.

University of Oviedo
Department of Physical and Analytical Chemistry
33006 Oviedo, Spain
e-mail: bettmerjorg@uniovi.es

Takeshi Hasegawa is Professor at the Institute for Chemical Research, Kyoto University, Japan. His personal research interests comprise vibrational spectroscopy for analysis of molecular interfaces in solution and analytical techniques of spectra depending on electromagnetics, chemometrics, and surface chemistry. His significant contribution is represented by the development of multiple-angle incidence resolution spectrometry (MAIRS) that enables us to simultaneously measure TO and LO functions in a thin film, with which anisotropic absorption can easily be discussed.

Division of Environmental Chemistry
Laboratory of Solution and Interface Chemistry,
N-334C Institute for Chemical Research,
Kyoto University Gokasho,
Uji, Kyoto 611-0011, Japan
e-mail: htakeshi@scl.kyoto-u.ac.jp

Qiuquan Wang is Professor of Chemistry at the Department of Chemistry and the Key Laboratory of Analytical Sciences, Xiamen University, China. He is also a Professor at the State Key Laboratory of Marine Environmental Science at Xiamen University. He is a member of the ABC International Advisory Board. His research interests range from atomic spectrometry to mass spectrometry, especially in the development of novel photocatalytic vapor generation sample introduction systems and hyphenated systems of GC/HPLC/CE with AS/MS for elemental speciation and the monitoring of POPs in the environment. Currently, he develops novel analytical strategies, with emphasis on the design and synthesis of chemically selective and biospecific probes/tags, for metallomics and quantitative proteomics studies.

Department of Chemistry & the MOE Key Laboratory of Analytical Sciences
College of Chemistry and Chemical Engineering
Xiamen University
Xiamen 361005, China
e-mail: qqwang@xmu.edu.cn

Yinan Wei received her Ph.D. from Princeton University, USA in 2003 and was a Goldhaber Research Fellow at the Brookhaven National Laboratory, USA, between 2003 and 2006. She joined the faculty at the Department of Chemistry, University of Kentucky, USA as an Assistant Professor in 2008 and received the Ralph E. Powe Junior Faculty Enhancement Award in 2010. Her group is currently working on multiple projects that range from the study of membrane protein biogenesis to the structure and function of periplasmic molecular chaperones, bacterial multidrug resistance, and the development of membrane protein based novel biomaterials and biosensors.

Department of Chemistry
University of Kentucky
Lexington, KY 40506, USA
e-mail: yinan.wei@uky.edu