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## New and recent articles:

### Papers

Biological network design strategies: discovery through dynamic optimization

*Bambang S. Adiwijaya, Paul I. Barton and Bruce Tidor*

MALDI-TOF mass spectral analysis of siRNA degradation in serum confirms an RNase A-like activity

*John J. Turner, Simon W. Jones, Sterghios A. Moschos, Mark A. Lindsay and Michael J. Gait*

A cancer protein microarray platform using antibody fragments and its clinical applications

*Shiping Song, Bin Li, Lihua Wang, Haiping Wu, Jun Hu, Minqian Li and Chunhai Fan*

### Method

A novel antibody microarray format using non-covalent antibody immobilization with chemiluminescent detection

*Kazue Usui-Aoki, Kiyo Shimada, Hisashi Koga*

### Highlights

Towards high-throughput characterization of small molecule mechanisms of action

*Hendrik Luesch*

Thermodynamics of protein denatured states

*Bruce E. Bowler*

Control of macromolecular structure and function using covalently attached doublestranded DNA constraints

*Scott K. Silverman*

### Review

Design of radiolabelled ligands for the imaging and treatment of cancer

*Stephen J. Mather*

### Hot off the Press

In each issue, members of the Editorial Board and their research groups highlight recent literature for the benefit of the community

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# 1<sup>st</sup> UK-US Conference on Chemical and Biological Sensors and Detectors

22 – 24 April 2007, Holiday Inn London - Bloomsbury, UK

Organised by the RSC, this major transatlantic conference will provide an international forum for scientists, engineers and policy makers to share scientific expertise and knowledge towards the development of new methods and strategies for countering terrorism.

- Learning from nature
- Chemical and biological receptors
- Spectroscopic techniques
- Hand held sensors systems
- Miniaturisation and microfluidics

## Contributed presentations invited

Call for oral abstracts: 15 December 2006 Call for poster abstracts: 23 February 2007

### Speakers include

Hagan Bayley, *University of Oxford, UK*  
Robert Corn, *University of California, Irvine, USA*  
Duncan Graham, *University of Strathclyde, UK*  
Charles Lieber, *Harvard University, USA*  
Frances Ligler, *Naval Research Laboratory, USA*  
Duane Lindner, *Sandia National Laboratories, USA*  
Robert Noll, *Purdue University, USA*  
Pankaj Vadgama, *Queen Mary University of London, UK*  
David Walt, *Tufts University, USA*

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