



## New for 2005

A high-impact chemical biology journal with a particular focus at the interface between chemistry and the -omic sciences and systems biology.

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### New and recent articles:

#### Method

*Xenopus* as a model organism in developmental chemical genetic screens

*Matthew L. Tomlinson, Robert A. Field and Grant N. Wheeler*

#### Highlight

Cell–cell communication in Gram-negative bacteria

*Martin Welch, Helga Mikkelsen, Jane E. Swatton, Debra Smith, Gemma L. Thomas, Freija G. Glansdorp and David R. Spring*

#### Reviews

How lipids and proteins interact in a membrane: a molecular approach

*Anthony G. Lee*

Polymyxin B: An ode to an old antidote for endotoxic shock

*Vikrant M. Bhor, Celestine J. Thomas, Namita Surolia and Avadhesh Surolia*

#### Papers

ICAT-MS-MS time course analysis of atrophying mouse skeletal muscle cytosolic subproteome

*Marco Toigo, Samuel Donohoe, Gina Sperrazzo, Bradley Jarrold, Feng Wang, Richard Hinkle, Elizabeth Dolan, Robert J. Isfort and Ruedi Aebersold*

Genotoxicity sensor response correlated with DNA nucleobase damage rates measured by LC-MS

*Jing Yang, Bingquan Wang and James F. Rusling*

Nucleoside phosphocholine amphiphile for *in vitro* DNA transfection

*Louis Moreau, Philippe Barthélémy, Yougen Li, Dan Luo, Carla A. H. Prata and Mark W. Grinstaff*

#### Hot off the Press

The Editorial Board and their research groups highlight recent literature for the benefit of the community.



## New for 2005!

A high quality interdisciplinary journal publishing research into soft materials, including complex fluids. *Soft Matter* provides a forum for the communication of generic science underpinning the properties and applications of soft matter.

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### Reviews

Frank–Kasper, quasicrystalline and related phases in liquid crystals

*Goran Ungar and Xiangbing Zeng*

Micro- and nanotechnology via reaction-diffusion

*Bartosz A. Grzybowski, Kyle J.M. Bishop, Christopher J. Campbell, Marcin Fialkowski and Stoyan K. Smoukov*

### Communication

Type I Collagen, a versatile liquid crystal biological template for silica structuration from nano- to microscopic scales

*Thibaud Coradin, David Eglin, M. M. Giraud-Guille, Jacques Livage and Gervaise Mosser*

### Papers

Effect of guest capture modes on molecular recognition by a dynamic cavity array at the air–water interface: soft vs. tight and fast vs. slow

*Katsuhiko Ariga, Takashi Nakanishi, Jonathan P. Hill, Yukiko Terasaka, Daisuke Sakai and Jun-ichi Kikuchi*

A small-angle neutron scattering study of biologically relevant mixed surfactant micelles comprising 1,2-diheptanoyl-sn-phosphatidylcholine and sodium dodecyl sulfate or dodecyltrimethylammonium bromide

*Peter C. Griffiths, Alison Paul, Zeena Khayat, Richard K. Heenan, Radha Ranganathan and Isabelle Grillo*

Intrinsic viscosity of dendrimers via equilibrium molecular dynamics

*Philip M. Drew and David B. Adolf*

Structure and rheology of aqueous micellar solutions and gels formed from an associative poly(oxybutylene)–poly(oxyethylene)–poly(oxybutylene) triblock copolymer

*V. Castelletto, I. W. Hamley, X.-F. Yuan, A. Kelarakis and C. Booth*