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IN THIS ISSUE

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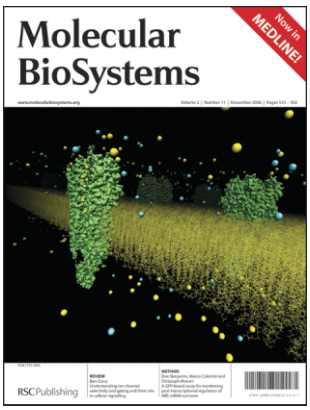

Cover
See Ben Corry, page 527. Understanding ion channel selectivity and gating and their role in cellular signalling. Image reproduced with permission of Ben Corry, from *Mol. BioSyst.*, 2006, **2**, 527.

CHEMICAL BIOLOGY

Drawing together research highlights and news from all RSC publications, *Chemical Biology* provides a 'snapshot' of the latest developments in chemical biology, showcasing newsworthy articles and significant scientific advances.

HOT OFF THE PRESS

Hot off the Press

Topics highlighted in this month's *Hot off the Press* include high-throughput screening of mutant glycosyltransferases, the structure of a Mg^{+2} channel/transporter and the use of t-RNA as a template for quantum dot synthesis and some items published recently in the RSC's journals.

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METHOD

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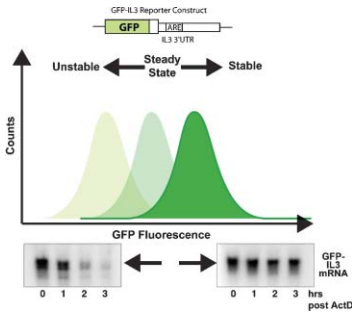

A GFP-based assay for monitoring post-transcriptional regulation of ARE-mRNA turnover

Don Benjamin, Marco Colombi, Georg Stoecklin and Christoph Moroni*

A simple, rapid green fluorescent protein (GFP)-based assay to monitor post-transcriptional gene regulation by mRNA turnover in mammalian cells.

PAPERS

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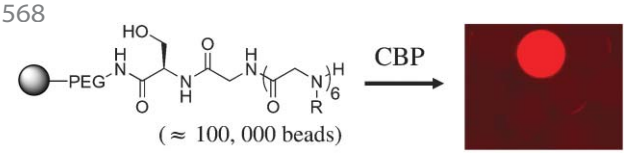

Isolation and characterization of coactivator-binding peptoids from a combinatorial library

Prasanna Alluri, Bo Liu, Peng Yu, Xiangshu Xiao and Thomas Kodadek*

A large combinatorial library of peptoids was screened to identify a ligand for the mammalian coactivator CBP, which is shown to function as a transactivation domain in cells.

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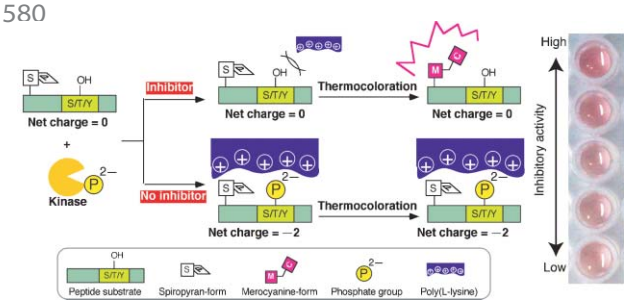

Rational design of homogenous protein kinase assay platforms that allow both fluorometric and colorimetric signal readouts

Kin-ya Tomizaki and Hisakazu Mihara*

We describe a unique chromism-based assay (CHROBA) for the direct measurement of protein kinase activities, which can be performed in a microplate format with both fluorometric and colorimetric readouts and would be useful for high-throughput drug discovery and analysis of the phosphoproteome.

AUTHOR INDEX

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