

## Synthetic Biology Themed Issue

*Molecular BioSystems* issue 7, 2009, is a themed issue on **Synthetic Biology** coordinated by Editorial Board members Hagan Bayley (Professor of Chemical Biology, Oxford University, UK) and Sachdev Sidhu (Assistant Professor, Banting and Best Department of Medical Research, University of Toronto, Canada).

### Articles include:

#### **Darwinian chemistry: Towards the synthesis of a simple cell**

Phil Holliger and David Loakes

#### **Synthetic Chemistry Used to Make, Study the Folding, and Determine the X-ray Structure of a Unique Protein Analogue, [V15A]Crambin- $\alpha$ carboxamide**

Stephen Kent, Duhee Bang, Anthony A Kossiakoff, Valentina Tereshko

#### **Biocomputers: from test tubes to live cells**

Yaakov Benenson (also provided the cover image)

#### **A Synthetic Metabolite-Based Mammalian Inter-cell Signaling System**

Martin Fussenegger, Nicholas Denervaud, Marco Schütz, Wilfried Weber

#### **Engineering and Exploiting Protein Assemblies in Synthetic Biology**

Stefan Howorka and David Papapostolou

#### **Synthetic Biology: Exploring Biological Modularity**

Pam Silver and Christina Agapakis.



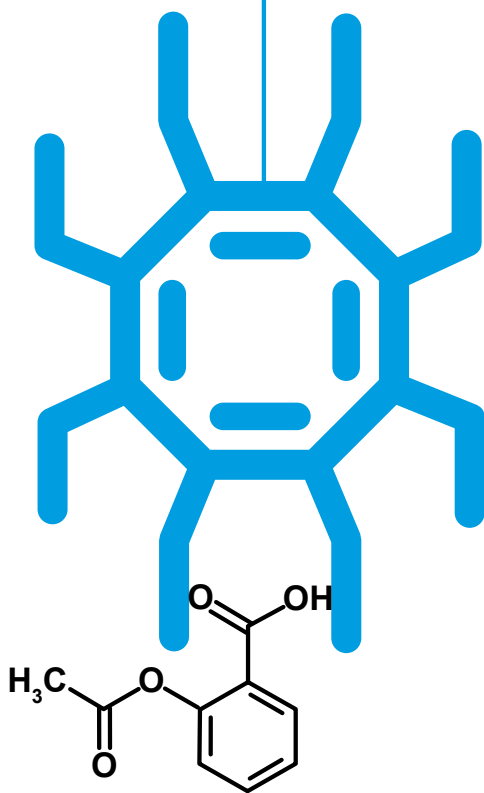
Hagan Bayley



Sachdev Sidhu

"Synthetic biology is one of the most exciting and rapidly evolving fields in life sciences, and with this special issue, we have aimed to provide a broad overview of the theories and technologies that are shaping the field"

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