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## Early Career Research Award Lecture



Structure, evolution and dynamics of transcriptional regulatory networks

**M. Madan Babu**

**1155-1178**

## GlaxoSmithKline Award Lecture



The O-GlcNAc modification: three-dimensional structure, enzymology and the development of selective inhibitors to probe disease

**Gideon J. Davies and Carlos Martinez-Fleites**

**1179-1188**

## Biochemical Society Linked Focused Meetings

### Systems Analysis of Metabolism

University of York, U.K., 22-24 March 2010

**Edited by David Fell (Oxford Brookes, U.K.), Hans Westerhoff (Manchester, U.K., and Amsterdam, The Netherlands) and Michael White (Liverpool, U.K.).**

Systems biochemistry in practice: experimenting with modelling and understanding, with regulation and control

**Hans V. Westerhoff, Malkhey Verma, Maria Nardelli, Malgorzata Adamczyk, Karen van Eunen, Evangelos Simeonidis and Barbara M. Bakker**

**1189-1196**

Building and analysing genome-scale metabolic models

**David A. Fell, Mark G. Poolman and Albert Gevorgyan**

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Predicting novel pathways in genome-scale metabolic networks

**Stefan Schuster, Luís F. de Figueiredo and Christoph Kaleta**

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Computational optimization and biological evolution

**Igor Goryanin**

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The principle of sufficiency and the evolution of control: using control analysis to understand the design principles of biological systems

**Guy C. Brown**

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**Jean-Pierre Mazat, Jonathan Fromentin, Margit Heiske, Christine Nazaret and Stéphane Ransac**

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Imaging tumour cell metabolism using hyperpolarized <sup>13</sup>C magnetic resonance spectroscopy

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**Mark A. Hooks, Elizabeth Allen and Jonathan A.D. Wattis**



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## **Signalling and Control from a Systems Perspective**

University of York, U.K., 22–24 March 2010

**Edited by David Fell (Oxford Brookes, U.K.), Hans Westerhoff (Manchester, U.K., and Amsterdam, The Netherlands) and Michael White (Liverpool, U.K.).**

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**Daniele Dell'Orco and Karl-Wilhelm Koch**

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University of York, U.K., 22–24 March 2010

**Edited by David Fell (Oxford Brookes, U.K.), Hans Westerhoff (Manchester, U.K., and Amsterdam, The Netherlands) and Michael White (Liverpool, U.K.).**

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