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Cover image: male poison frog (Dendrobates variabilis) from Peru carrying three newly hatched tadpoles on his back. The photo illustrates the association between parental care and large egg and early-stage tadpole size observed in frogs (see pages 687-692; photograph, Jason Brown, East Carolina University, Greenville, NC).

The March issue will be a Discussion Meeting issue, entitled Bioinformatics: from molecules to systems, which will include, among others, the following papers:

Finding the molecular basis of complex genetic variation in humans and mice
R. Mott

Comparative genomics and genome evolution in yeasts
K. H. Wolfe

Exploiting protein structure data to explore the evolution of protein function and biological complexity

The proteome: structure, function and evolution

Prediction and design of macromolecular structures and interactions
D. Baker

Towards genome-scale structure prediction for transmembrane proteins
N. Hurwitz, M. Pellegrini-Calace & D. T. Jones

Modelling in molecular biology: describing transcription regulatory networks at different scales
T. Schlitt & A. Brahma

Transcriptional noise and cellular heterogeneity in mammalian macrophages
S. Ramasamy, A. Orelz, A. Clark, K. D. Smith, P. de Atauri, V. Thorsson, D. Orrell & H. Bolouri

Comparative analysis of environmental sequences: potential and challenges
K. U. Forster, C. van Miering & P. Bork

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