Editorial Board

William Bonfield, Editor
Department of Materials Science & Metallurgy, University of Cambridge
Luigi Ambrosio
Center for Biomathematics, University of Naples “Federico II”
Jonathan Ashley
Department of Physics, University College London
Christopher Derrick
Department of Chemistry, University of Cambridge
Althea M Donald
Department of Chemistry, University of California
Frances Doyle
Department of Chemical Engineering, University of California, Santa Barbara
Neil Ferguson
Faculty of Medicine, Imperial College London
Wayne Getz
Department of Environmental Science, Policy & Management, University of California at Berkeley
Lorna Gibson
Department of Materials Science and Engineering, Massachusetts Institute of Technology
Wendy Hall
Department of Electronic and Computer Science, University of Southampton
Stefan Heinl
Stiftung Max-Planck, Max-Planck-Institut für biophysikalische Chemie, Göttingen
Harry Henshaw
Director of Special Projects, University of Central Florida
Richard Henderson
MRC Laboratory of Molecular Biology, University of Cambridge
Peter Hunter
Bionanotechnology Institute, University of Auckland
C. James Kirkpatrick
Institut für Physikalisches, Johannes Gutenberg-Universität Mainz
Himmit Khan
Soft Computer Science Laboratories, Inc., Tokyo
Richard Kless
Department of Biochemistry, National University of Singapore
Richard Lin
Department of Bioengineering, Imperial College London
Michael Klein
Laboratory for Research on the Structure of Matter, University of Pennsylvania
Tadatoshi Kobay
Research Institute for Science and Technology, Chubu University
Chia-Yen Lin
Department of Mechanical Engineering, National Taiwan University
Evgeni Obraz
Institute of Advanced Biomedical Engineering and Science, Tokyo Women’s Medical University
Steve Oliver
School of Biology, University College London
Julia Polak
TRIM Centre, Division of Investigative Science, Imperial College London
Patrick Prendergast
Department of Mechanical & Manufacturing Engineering, University College London
Sir George Reid
University Laboratory of Physics, Oxford University
David Reid
Department of Mathematics, University of Warwick
Neil Rushton
Orthopaedic Research Unit, University of Cambridge
John Ryan
Bionanotechnology IRC, University of Oxford
Simon Yates
Department of Biological Sciences, University of Southern California
Kathryn M Sum
Department of Chemistry, Imperial College London
Martin Stower
Computational Molecular Biology, Max-Planck-Institut für molekulare Genetik, Berlin
Ioannis Yannas
Department of Mechanical Engineering, Massachusetts Institute of Technology
Joseph Zaccai
Institut de Radiologie, Grenoble
Xingdong Zhang
Engineering Research Centre & Biomaterials, Schuman University

AIMS AND SCOPE
Interface is a new international journal publishing papers from the interface between the physical sciences, including mathematics, and the life sciences. It provides a high-quality forum to publish rapidly and interact across this boundary in two main ways: interface publishes research applying chemistry, engineering, materials science, mathematics and physics to the biological and medical sciences; it also highlights discoveries in the life sciences that allow advances in the physical sciences. Both sides of the interface are considered equally.

SUBSCRIPTIONS
In 2009 Journal of the Royal Society Interface (ISSN 1742-5689) will be published monthly, with twelve issues a year. Full details of subscriptions may be obtained either by contacting our customer services team at Portland Customer Services, Commercia Way, Caltech Centre 200, BHP, tel: +44 (0)20 7965 8951, fax: +44 (0)20 7965 8993; email: sales@portland-services.com or by visiting our website at royalsocietypublishing.org/subscription. From 2009 personal subscriptions are available for this journal – see prices. Full ordering information is available from Portland Customer Services. These rates apply to bona fide individual use only. They must be paid by personal cheque or credit card, and orders cannot be delivered to an institutional address. The Royal Society is Registered Charity No. 207043.

Cover image: View from high-speed digital camera showing locust in tethered flight. Artificial spots and natural features on the wings are tracked in multiple camera views in order to reconstruct their shapes in 3D. (See pages 735–747; image copyright © 2009 Simon M. Walker, University of California at Berkeley.)