

# Chemistry & Industry

Issue 8  
19 April 2004  
www.chemind.org

where science  
meets business

# & Industry



## Cosmeceuticals more than skin deep

PVC recycling  
Solving the problem p18

REACH proposal  
Fails to impress p8

Alcohol patch  
Helps to cut back on drink p5





www.chemind.org

Editor Simon Robinson

E-mail: editor@soci.org

News Marina Murphy, Richard Butler,  
Lubomir Sedlak

E-mail: news@soci.org

Features Robert Winder

E-mail: features@soci.org

Art Editor Julia Cheftel

Editorial Co-ordinator Princess Johnson

E-mail: enquiries@soci.org

Advertising Momenul Hoque, Vania Lobo

E-mail: advertising@soci.org

#### Editorial & Advertising Offices

14/15 Belgrave Square, London SW1X 8PS  
Tel: +44 (0)20 7598 1500  
Fax: +44 (0)20 7235 9410  
Advertising by Roscoe Services Limited

#### International Advisory Board

Sir James Black Kings College Hospital

Medical School, London

Umberto Colombo ENEA, Rome

Road Hoffmann Cornell University,  
Ithaca, NY

Ralph Landau Listowel, NY

Lord Lewis University of Cambridge, UK

Yasunori Nishijima Kyoto University, Japan

Gerhard Wegner Max-Planck-Institut für  
Polymerforschung, Mainz, Germany

#### Subscriptions Orders & Enquiries

Subscription enquiries can be sent by e-mail to  
subscriptions@soci.org.

USA, Canada & Mexico subscription rate:  
US\$560. Orders with payment to the Society of  
Chemical Industry, Extenza-Turpin, Stratton  
Business Park, Pegasus Drive, Biggleswade,  
Bedfordshire SG18 8QB, UK.

T: +44 (0)1767 604 800; F: +44 (0)1767 601

640. All copies sent air speed to the USA.

USA POSTMASTER: send address changes to  
Chemistry & Industry, 200 Meacham Avenue,  
Elmont, NY 11003. Periodical postage paid at  
Jamaica, NY 11431. Canadian GST Reg. No.  
R127571347.

Japan subscription rate: £382. Orders with  
payment to USACO, 17-12, Higashi-Azabu,  
2-chome, Minato-ku, Tokyo 106-0044.

Rest of world subscription rates: EU and ROW  
£410. Orders with payment to Society of  
Chemical Industry, Extenza-Turpin (see above).  
Delivery outside UK by air speed.

#### SCI Members' Enquiries

Queries and address changes to SCI  
Member Services, 14/15 Belgrave Square,  
London SW1X 8PS.

T: +44 (0)20 7598 1500; F: +44 (0)20  
7823 1698; E-mail: members@soci.org;  
Web address: www.soci.org

#### Chemistry & Industry

© Society of Chemical Industry 2004.  
ISSN 0009-3068. C&I is published twice a  
month by the Society of Chemical Industry,  
14/15 Belgrave Square, London SW1X  
8PS. Printed by Williams Press, Unit 21,  
Clivemont Road, Cordwallis Estate,  
Maidenhead, Berkshire SL6 7BX, UK.  
Chemistry & Industry is editorially  
independent of, but published by, SCI

# Chemistry & Industry

Issue 8

Pages 1-32

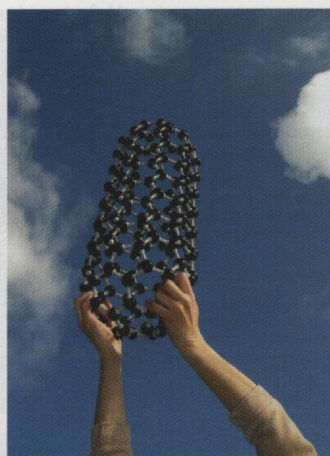
19 April 2004

## Regulars

<b>News</b>	<b>Aventis take-over bid with bitter bargaining</b>	<b>5</b>
<b>Diary</b>	<b>The latest shows, exhibitions and meetings</b>	<b>12</b>
<b>Patents</b>	<b>Gene genie, back tracking &amp; cardio correction</b>	<b>13</b>
<b>Comment</b>	<b>NGO accountability</b>	<b>14</b>
<b>Reviews</b>	<b>Fuel cells and colloids</b>	<b>22</b>
<b>Highlights</b>	<b>Organometallic, inorganic &amp; organic chemistry</b>	<b>25</b>
<b>People</b>	<b>Isabel Alexander invited to SCI Canada board</b>	<b>30</b>

## SCI Pharm

**10** **Richard Butler** explains  
how a drug's life cycle  
management is  
becoming a part of drug development



Carlos Terreros

## Nanotechnology

**20** **Yolanda de Miguel**  
believes nanotechnology  
represents a unique  
opportunity for the  
chemicals industry

**Chemistry & Industry**  
where science meets business.

**Cosmeceuticals**  
more than  
skin deep

PVC recycling Saving the planet... 18 | REACH proposal Face to improve... 18 | Alcohol patch Help to cut back on drink... 18



PhotoDisc

## PVC

**18** **PVC** is used extensively in society, but creates a problem for disposal or recycling. **Vicky Dunn** considers some of the options

**ABC SCI**

Cover Photography:  
Jean-Philippe Defaut