

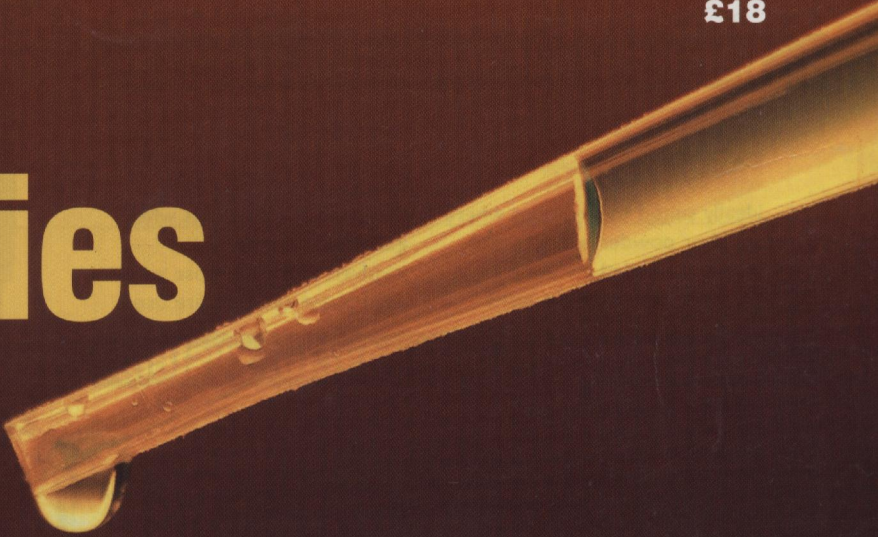
# Chemistry & Industry

where science  
meets business

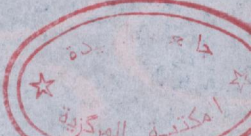
Issue 5  
4 March 2002  
www.chemind.org

£18

## Antibodies optimising drug discovery



Ref: BT PF 160102/09 Df: 31146376  
CHEMISTRY & INDUSTRY  
04.03.02 Vol: 2002 No. 5  
0009-3068 22304673 03.06.02  
EDITIONS CHIHAB  
ZI. LOT B5  
B.P.744 REGHAIA  
GG ALGER  
ALGERIE



Polymers

What next? p18

PCB plant polluters

Face fines p4

Bayer and GSK

Strike a deal p5



http: www.chemind.org

Editor Simon Robinson

E-mail: editor@soci.org

News Marina Murphy, Richard Butler

E-mail: news@soci.org

Features Claire Curran

E-mail: features@soci.org

Art Editor Julia Chettle

Production Editor Laurence McJannet

Editorial Administrator Princess Johnson

E-mail: enquiries@soci.org

Advertising Dominic Young,

David Roberts, Lubin Reyes

E-mail: advertising@soci.org

#### Editorial & Advertising Offices

14/15 Belgrave Square,

London SW1X 8PS, UK

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

Roald Hoffmann College Cornell

University, Itaca, 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 2001 subscription rate:

US\$560. Orders with payment to the Society of

Chemical Industry, Turpin Distribution, Blackhorse

Road, Letchworth, Herts SG6 1HN, UK. T: +44

(0)1462 672555; F: +44 (0)1462 480947. 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 2001 subscription rate: £360. Orders with

payment to USACO, 17-12, Higashi-Azabu, 2-

chome, Minato-ku, Tokyo 106-0044.

Rest of world 2001 subscription rates: EU and

ROW £360. Orders with payment to Society of

Chemical Industry, Turpin Distribution (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 2001.

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 Friary Press, Bridport

Road, Dorchester, Dorset DT1 1JL.

Chemistry & Industry is editorially  
independent of, but published by, SCI

# Chemistry & Industry

Issue 5

Pages 1-36

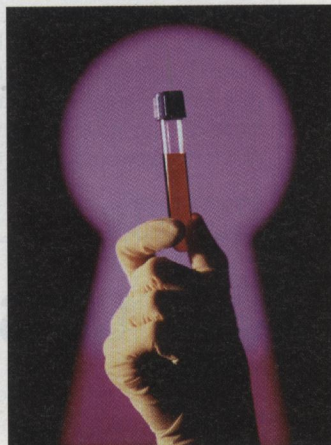
4 March 2002

## Regulars

<b>News</b>	Latest science from Boston AAAS meeting	<b>6&amp;8</b>
<b>Diary</b>	The latest shows, exhibitions and meetings	<b>10</b>
<b>Data/analysis</b>	Europe's chemical industry	<b>11</b>
<b>Patents</b>	Targeting tumours and faster drugs for diabetes	<b>13</b>
<b>Reviews</b>	Liquid engineering, food for thought and history	<b>21</b>
<b>Highlights</b>	Organometallic and inorganic chemistry	<b>24</b>
<b>Afterwords</b>	and crossword	<b>34</b>

## Technology

**9** As consumers adapt to technologies such as DVDs, researchers and manufacturers are dreaming up the next perfect format. Richard Butler reports on the next generation of discs.



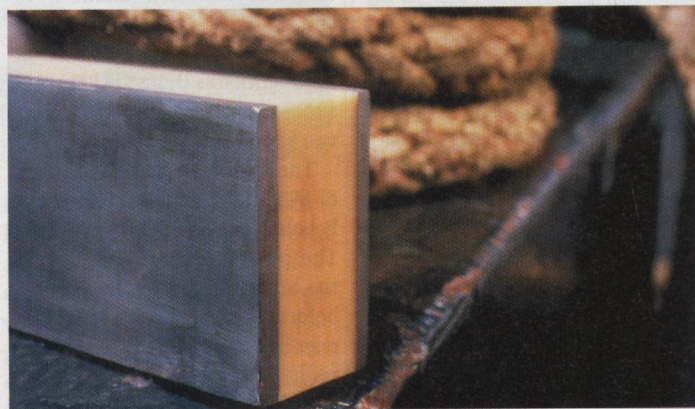
Corbis

## Antibodies

**14** Human monoclonal antibodies promise low-cost drug discovery delivering safe and effective, therapeutic candidates. Alex Duncan from Cambridge Antibody Technology (UK) reports on how antibodies hold the key.

## Polymers

**18** They're everywhere. From growing human organs to ship building and wearable electronics, polymers once again show their versatility. Marina Murphy reports on what there is to expect from the next generation of polymer scientists.



BASF

Cover illustration: Corbis

**ABC** **SCI**