# Chemistry 16 September 200 where science meets business Issue 1 16 September 200 www.chemind.or The science meets business The science meets business The science of the science o

Issue 18 16 September 2002

# Knockout mice

**GM** models for drug targets

Ref: BT PF 160102/09 CHEMISTRY & INDUSTRY

16.09.02 Vol: 2002 No. 18 22304673

0009-3068 EDITIONS CHIHAB

ZI. LOT B5 B.P.744 REGHAIA GG ALGER

ALGERIE

Df: 31146376

27.09.02



Public confusion

It's good to talk

and to listen, says CIA's Hackitt p4

Risk assessment

Who approves medication p16

# www.chemind.org

## **Editor Simon Robinson**

E-mail: editor@soci.org News Marina Murphy, Richard Butler, Lubomír Sedlák

E-mail: news@soci.org

Features Claire Curran

E-mail: features@soci.org

Art Editor Julia Cheftel

**Production Editor Laurence McJannet Editorial Administrator Princess Johnson** 

E-mail: enquiries@soci.org Advertising David Roberts, Lubin Reyes 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

Sir James Black Kings College Hospital Medical School London Umberto Colombo ENEA, Rome Roald 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

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, 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 subscription rate: £360. Orders with payment to USACO, 17-12, Higashi-Azabu, 2chome, Minato-ku, Tokyo 106-0044. Rest of world subscription rates: EU and ROW £360. Orders with payment to Society of Chemical Industry, Turpin Distribution (see above). Delivery outside UK by air speed.

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.

© Society of Chemical Industry 2002. 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, Society of Chemical Industry



# Chemistry & Industry

Issue 18

Pages 1-32

16 September 2002

10

19

23

30

# Regulars

News Diary

**Patents Reviews Highlights Afterwords** 

Stakeholder communication is key: CIA's Hackitt Data/analysis Sharp contrast: BASF & Bayer half-year results The latest shows, exhibitions and meetings Allergens for allergies and helpful cigarettes **Medicinal chemistry and business** Inorganic, organometallic and organic chemistry and crossword

# **Fluoride**

The magic ingredient? Niamh Delaney reports on a potential fluoride ban proposed by the Belgian health minister. The risk of nervous system damage, dental fluorosis and osteoporosis is putting into question the addition of fluoride to chewing gum, toothpaste and drinking water.



Cover illustration: Still Pictures



# Drug regulation

Mice at the heart of drugs: Deltagen of California has developed a range of genetically modified mice, to help develop new drugs and research the causes of genetically transmitted diseases. Simon Robinson talks to CEO Bill Matthews.



# Risk versus benefit

What are the risks associated with any therapy and who decides when medication should be approved for use. Stuart Curry reports on an essentially contested concept in pharmaceuticals regulation.