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ISSN: 0040-6376 (print)

ISSN: 1468-3296 (online)

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*Thorax* is published by BMJ Publishing Group Ltd, typeset by TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

*Thorax* (ISSN No: 0040-6376) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ. POSTMASTER: send address changes to *Thorax*, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

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Cover credit: Macrophage engulfing tuberculosis vaccine. Coloured scanning electron micrograph (SEM) of a macrophage white blood cell (green) engulfing *Mycobacterium bovis* bacteria (orange). This is the BCG (bacillus of Calmette-Guerin) strain of the bacteria, used in the vaccination for tuberculosis (TB). The bacteria is live but attenuated (weakened). The macrophage engulfs (phagocytoses) the bacteria and destroys them. The vaccine primes the immune system, without causing disease, so that it responds more rapidly if infected with TB bacteria. / SCIENCE PHOTO LIBRARY.



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