

availability of many immunostimulatory molecules to improve the immunogenicity of the tumour vaccine and improved methods of gene transfer of mammalian cells have revived the long-standing interest in cancer immunotherapy and the rest of the articles in this section are devoted to this subject. Immune memory may be able to suppress recurrence from the few neoplastic cells that are left behind following surgery and chemotherapy. The 'autologous vaccine' derived from a genetically modified patient's own tumour and the allogenic tumour vaccine based on genetically modified tumour cell line established from one or more patients – are under consideration.

Since T-cell activation involves specific processing of antigenic peptides, precise knowledge of tumour peptides needs to be obtained. The peptide vaccine itself is relevant, although it has drawbacks in terms of down regulating T-cell response. Finally, a combined immuno and chemotherapy is illustrated by the efficacy of administering low dose cyclophosphamide with cytokine gene-modified tumour vaccine to treat murine tumour.

This book has comprehensively brought out the status of the field, the lacunae and the future directions. Data from clinical trials have been analysed, although many trials are still under progress. The book establishes the sound

scientific basis behind gene therapy and gives the feeling that it is a matter of time before consistent success with the cure of atleast some of the cancers becomes a reality. It is a bit surprising that a book of this high technical standard has many errors of language and spelling. I guess Queen's English is not needed to describe gene therapy! The book should be of significant use to researchers in the field of gene therapy.

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## Errata

### Probing fundamental problems with lasers and cold atoms: An Indo-French workshop

C. S. Unnikrishnan

[*Curr. Sci.*, 1999, 76, 1523–1526]

On page 1525, paragraph 1, in the line ... experiment on parity violation pioneered and pursued by Helene Bouchiat..., Helene Bouchiat should read as Madome Marie Anne Bouchiat.

### New elements discovered and the island of stability

K. R. Rao

[*Curr. Sci.*, 1999, 77, 328–330]

Ref (4b) should read: Ninov, V. *et al.*, *Phys. Rev. Lett.*, 1999, 83, 1104.

In addition, the following references pertain to recent work at Dubna:

- (i) Oganessian, Yu.Ts. *et al.*, *Phys. Rev. Lett.* (submitted).  
JINR preprint E7-99-53 (JINR, Dubna, 1999)
- (ii) Oganessian, Yu. Ts. *et al.*, *Nature*, 1999, 400, 242.

### Quantum signature of the classical chaos in the field-induced barrier crossing in a quartic potential

P. K. Chattaraj, S. Sengupta and A. Poddar

[*Curr. Sci.*, 1999, 76, 1371–1376]

Equations (1), (2) and (9) should read as

$$\mathcal{H} = \frac{p^2}{2m} + ax^4 - bx^2 + cx \cos(\omega_0 t). \quad (1)$$

$$\hat{\mathcal{H}}\psi(x, t) = \left[ -\frac{1}{2} \frac{d^2}{dx^2} + ax^4 - bx^2 + cx \cos(\omega_0 t) \right] \psi(x, t) = i \frac{\partial \psi(x, t)}{\partial t}. \quad (2)$$

and

$$V(x) = ax^4 - bx^2 + cx \cos(\omega_0 t), \quad (9)$$