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- 1-2** Taking advantage of malnourished mice: An animal model for evaluating the immunostimulatory potential of mushroom-derived food and pharmacological products. H. J. MORRIS, O. V. CARRILLO, G. LLAURADÓ AND R. C. BERMÚDEZ

The human immune system is amazing and complex. In this invited editorial, the authors propose an interesting approach for evaluating pharmacological mushroom-derived products through immune deficient animal models based on malnourished mice by food deprivation.

- 3-12** Photoprotective effect of fungal melanins against UVB in human skin cells. C. OLAIZOLA, Z. A. ABRAMOWSKI AND E. M. JOVEL AYALA

Fungal melanins from *Agaricus bisporus* and *Grosmannia clavigera* were characterized. The bioactivity of *A. bisporus* melanin enhanced significantly cell viability of human dermal fibroblasts irradiated with a high dose of ultraviolet B, and reduced reactive oxygen species induced by ultraviolet B.

- 13** List reviewers. THE EDITORS

Our reviewers for 2012.