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DESCRIPTION

Cellular Immunology publishes original investigations concerned with the immunological activities of cells in experimental or clinical situations. The scope of the journal encompasses the broad area of in vitro and in vivo studies of cellular immune responses. Purely clinical descriptive studies are not considered.

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INTRODUCTION

Cellular Immunology provides an international medium devoted exclusively to publication of original investigations concerned with the immunological activities of cells in experimental or clinical situations. The scope of the journal encompasses the broad area of in vitro and in vivo studies of cellular immune responses. These include, for example, delayed-type hypersensitivity or cellular immunity; immunologic surveillance and tumor immunity; transplantation immunology; autoimmunity; resistance to intracellular microbial and viral infection; immunologic deficiency states and their reconstitution; antigen receptor sites; thymus and lymphocyte immunobiology, etc. The chief criteria for acceptance of papers submitted for publication are the originality, clarity, and quality of the work reported.

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[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

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[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon.* 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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