



DIFFERENTIATION

Published on behalf of the [International Society of Differentiation](#).

AUTHOR INFORMATION PACK

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DESCRIPTION

Differentiation is a multidisciplinary journal dealing with topics relating to cell differentiation, development, cellular structure and function, and cancer. Differentiation of eukaryotes at the molecular level and the use of transgenic and targeted mutagenesis approaches to problems of differentiation are of particular interest to the journal.

The journal will publish full-length articles containing original work in any of these areas. We will also publish reviews and commentaries on topics of current interest.

The principal subject areas the journal covers are:

- embryonic patterning and organogenesis
- human development and congenital malformation
- mechanisms of cell lineage commitment
- tissue homeostasis and oncogenic transformation
- establishment of cellular polarity
- stem cell differentiation
- cell reprogramming mechanisms
- stability of the differentiated state
- cell and tissue interactions in vivo and in vitro
- signal transduction pathways in development and differentiation
- carcinogenesis and cancer
- mechanisms involved in cell growth and division especially relating to cancer
- differentiation in regeneration and ageing
- therapeutic applications of differentiation processes

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INTRODUCTION

Differentiation is a multidisciplinary journal that broadly covers the fields of cell differentiation and developmental biology. The journal provides insight into mechanisms of animal and plant development and cancer biology, covering all aspects from molecular and cellular to tissue and organismal level. Focusing in the functional mechanisms of development, cell differentiation, plasticity and dedifferentiation, *Differentiation* prioritizes experimental studies. High quality manuscripts of a descriptive nature and those describing novel techniques are also encouraged. The Journal also publishes review articles of current interest.

Types of paper

Differentiation will consider original manuscripts in any area of cell biology, developmental biology and cancer biology, including:

- Cell differentiation, functional specialization
- Dedifferentiation, transdifferentiation, plasticity
- Embryonic patterning, organogenesis
- Carcinogenesis, cancer
- Cell proliferation, especially relating to cancer
- Cell and tissue interactions, epigenetic regulation
- Signal transduction in development and differentiation
- Transgenic and targeted mutagenesis models of differentiation
- Plant cell differentiation
- Stem cell biology
- Evolutionary aspects of cell differentiation

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Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999)... Or, as demonstrated (Jones, 1999; Allan, 2000)... Kramer et al. (2010) have recently shown ...'

List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

Examples:

Reference to a journal publication:

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

Reference to a journal publication with an article number:

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

Reference to a book:

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

Reference to a chapter in an edited book:

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

Reference to a website:

Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13 March 2003).

Reference to a dataset:

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

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