GENERAL AND COMPARATIVE ENDOCRINOLOGY

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DESCRIPTION

General and Comparative Endocrinology publishes articles concerned with the many complexities of vertebrate and invertebrate endocrine systems at the sub-molecular, molecular, cellular and organismal levels of analysis. Although by no means comprehensive, submission of manuscripts in the following areas of endocrine science are encouraged:

- endocrine regulation and interactions in physiological processes ("systems" biology - reproduction, body fluid homeostasis, skeletal and calcium homeostasis; gastrointestinal function; integumentary function; neurophysiology; cardiovascular function etc);
- endocrine pharmacology;
- the role of gene expression in endocrine systems;
- behavioral endocrinology;
- developmental endocrinology;
- growth factors;
- endocrine-environmental interactions;
- immuno-endocrine interactions;
- neuroendocrinology, neuropeptides, neurotransmitters;
- hormonal receptors;
- molecular evolution of hormones and gene families.
- Comparative Molecular Analyses
  - Genomics
  - Proteomics
  - Transcriptomics
  - Metabolomics

Manuscripts that advance understanding within and between these broad disciplines are especially encouraged.

All articles published in General and Comparative Endocrinology will be immediately assigned to an issue upon acceptance, without having to wait in press. This will mean immediate publication for all authors, upon completion of post-acceptance publishing processes.

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GUIDE FOR AUTHORS

INTRODUCTION

*General and Comparative Endocrinology* publishes articles concerned with the many complexities of vertebrate and invertebrate endocrine systems at the sub-molecular, molecular, cellular and organismal levels of analysis. Although by no means comprehensive, submission of manuscripts in the following areas of endocrine science are encouraged:

- endocrine regulation and interactions in physiological processes ("systems" biology - reproduction, body fluid homeostasis, skeletal and calcium homeostasis; gastrointestinal function; integumentary function; neurophysiology; cardiovascular function etc);
- endocrine pharmacology;
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- growth factors;
- endocrine- environmental interactions;
- immuno-endocrine interactions;
- neuroendocrinology, neuropeptides, neurotransmitters;
- hormonal receptors;
- molecular evolution of hormones and gene families.

Comparative Molecular Analyses
- Genomics
- Proteomics
- Transcriptomics
- Metabolomics

Manuscripts that advance understanding within and between these broad disciplines are especially encouraged.

*General and Comparative Endocrinology* will consider for publication of research articles that address endocrinology in its widest sense, i.e. both among, and within, living organisms - vertebrate, invertebrate and plant - including their evolutionary antecedents. Original and novel information in acute, and in the longer term, evolutionary adaptive homeostasis are of especial interest to the journal.

The European Society for Comparative Endocrinology, North American Society for Comparative Endocrinology, The Division of Comparative Endocrinology of the Society for Integrative and Comparative Biology, the Asia and Oceania Society for Comparative Endocrinology and the Japan Society for Comparative Endocrinology are affiliated to *General and Comparative Endocrinology*.

**Types of article**

**Regular article** - Full-length original research papers, reporting novel findings in all endocrinology related fields.

**Short Communications** – these are articles that present a new technique, idea or concept and are typically 10 double spaced pages in length.

**Communications in Comparative Molecular Analyses** - these are original research manuscripts ranging from 10 to 24 double spaced pages which report studies deploying any kind of "omics" technologies, which are relevant to the endocrine literature (i.e., results of small to high throughput studies). Manuscripts can report the analysis of primary data or in silico analysis or meta-analysis of data deposited in databases and should frame the significance of the data in light of comparative endocrinology and endocrine function.

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- **Reviewer interacts with:** Editor
- **Review information published:** None
- **Post publication commenting:** None

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**Introduction**

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**Material and methods**

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**Material and methods Guidelines for Immunohistochemistry & RTqPCR assays**

1. **Immunohistochemistry**
In the Methods section, for antibodies it is important to indicate the origin (eg. human, rat, fish) and sequence of the immunogen against which the animal was immunized. If using commercially generated antisera provide the name of company that made the antisera, the species that was immunized and whether the reagent is a monoclonal or polyclonal antibody. It is important to provide characterization information which can include Western blot analysis, radioimmunoassay or ELISA. Reference to previous publications is acceptable as long as the above characterizations have been performed in those publications. Controls may include pre-adsorption with the original antigen if the antigen is available and/or incubation with secondary antibody only. For analyses that involve transfected cells, the controls should include: incubation of the non-transfected cell line with primary and secondary antibody, and incubation of the transfected cells with secondary antibody only.

2. What to look for when evaluating reviewers comments about real time quantitative PCR (RTqPCR) assays
There is considerable debate and an ever growing literature about the "best way" to perform real time quantitative PCR (RTqPCR). One publication which gives extensive and helpful guidelines about RTqPCR is Nolan et al., 2006 Nature protocols 1; 1559 and if you are looking for formal guidelines and recommendations consult Clinical Chemistry (Bustin et al., 2009 55, 611). Some simple guidelines:
1. The Dnase treatment and protocol should be indicated.
2. The primers chosen for reverse transcription should be indicated.
3. The RTqPCR primers and probe sequence (if used), the amplicon size along with the mix and supplier should be indicated.
4. The sequence accession number should be provided.
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Results should be clear and concise.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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**Electronic artwork**

**General points**
- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the published version.
- Submit each illustration as a separate file.
- Ensure that color images are accessible to all, including those with impaired color vision.

A detailed [guide on electronic artwork](#) is available.

**You are urged to visit this site; some excerpts from the detailed information are given here.**

**Formats**

If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.

Regardless of the application used other than Microsoft Office, when your electronic artwork is finalized, please 'Save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):

- EPS (or PDF): Vector drawings, embed all used fonts.
- TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.
- TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.
- TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

**Please do not:**
- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
- Supply files that are too low in resolution;
- Submit graphics that are disproportionately large for the content.

**Color artwork**

Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF) or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then Elsevier will ensure, at no additional charge, that these figures will appear in color online (e.g., ScienceDirect and other sites) in addition to color reproduction in print. [Further information on the preparation of electronic artwork.](#)

**Figure captions**

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

**Tables**

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.

**References**

**Citation in text**

Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the
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Citations may be made directly (or parenthetically). Groups of references can be listed either first alphabetically, then chronologically, or vice versa.

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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.

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