



EXPERIMENTAL EYE RESEARCH

The official journal of the [International Society for Eye Research](#)

AUTHOR INFORMATION PACK

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DESCRIPTION

The primary goal of *Experimental Eye Research* is to publish original research papers on all aspects of **experimental biology** of the **eye** and **ocular tissues** that seek to define the mechanisms of normal function and/or disease. Studies of ocular tissues that encompass the disciplines of **cell biology, developmental biology, genetics, molecular biology, physiology, biochemistry, biophysics, immunology** or **microbiology** are most welcomed. Manuscripts that are purely clinical or in a surgical area of ophthalmology are not appropriate for submission to *Experimental Eye Research* and if received will be returned without review.

Most manuscripts published are original articles describing new research findings. For review purposes the journal is divided into four sections: **Aqueous Humor** and **Blood Flow; Cornea** and **Ocular Surface; Lens**; and **Retina** and **Choroid**, each with their own section [editors](#) and a roster of Executive Editors that have expertise in these specialized areas.

The Journal also publishes review articles, short communications, letters-to-the-editor, and methods papers. Full descriptions of each of these types of articles are detailed in the [Guide for Authors](#).

Research areas include:

Production and circulation of ocular fluids and the dysfunction of these pathways underlying ocular disease

Angiogenesis, neovascularization and regulation of blood flow in the eye in health and disease

Cell biology, molecular biology, biochemistry, and biophysics of the eye or eye tissue

Developmental and regenerative biology of the eye

Human and molecular genetics studies of inherited eye diseases

Gene therapy and neuroprotection targeted at preventing inherited ocular diseases

Neural and general physiology of the visual process

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GUIDE FOR AUTHORS

INTRODUCTION

The goal of *Experimental Eye Research* is to publish original research papers on all aspects of the cell biology, physiology, genetics, biochemistry, biophysics, molecular biology, pharmacology, developmental biology, microbiology, and immunology of the eye. The journal is subdivided into four sections; Aqueous Humor and Blood Flow, Cornea and Ocular Surface, Lens and Retina and Choroid, each with their own section editors. Short Communications, Letters to the Editor, Methods in Eye Research; individual Review Articles or collections of Review Articles specifically commissioned by the Journal are also published.

Research areas include:

Production and circulation of ocular fluids and the dysfunction of these pathways underlying ocular disease
Angiogenesis, neovascularization and regulation of blood flow in the eye in health and disease
Cell biology, molecular biology, biochemistry, and biophysics of the eye or eye tissue
Developmental and regenerative biology of the eye
Human and molecular genetics studies of inherited eye diseases
Gene therapy and neuroprotection targeted at preventing inherited ocular diseases
Neural and general physiology of the visual process

Types of communications

1. **Research Articles** :Original Research Articles describing the results of experimental studies that address fundamental biological issues on vision, the eye, or specific ocular tissues constitutes the majority of communications published in *Experimental Eye Research*. Detailed instructions for formatting regular research articles are provided below under the subheading "**Preparation**".

2. **Letters to the Editor**:Letters to the Editor should provide substantive comment(s) on a publication in this Journal or an eye research article published elsewhere; or on issues of broad interest to the eye and vision research community. A Letter should be concise, to the point (generally no more than 750 words), contain only text (no abstract, figures, tables, acknowledgments, or reference list), and be written in continuous narrative style (no headings/subheadings). The Editor-in-Chief or a designated member of the Editorial Board will be responsible for reviewing Letters. Receipt of a Letter does not guarantee that it will be accepted for publication. In the event that the Letter challenges some aspect of a prior publication, a complete citation of the publication in question should be fully spelled out in the body of the text. The authors of the publication in question will be given the opportunity to respond to the comments made, and the two Letters (if accepted) will be published sequentially in the same issue of the Journal.

3. **Short Communications**: Short Communications are intended for preliminary reports of original, significant research results that are limited in scope and, thus, do not warrant publication in the form of a regular Research Article. Communications should be no longer than 4,500 words (generally not to exceed 4 printed pages in the Journal), inclusive of all literature citations, and should contain no more than two Figures (which may be multi-panel) and/or Tables;"Supplementary Data" is not permitted. The word count pertains only to the main body of text, excluding the title, author/institution details, abstract, figures/tables, figure legends, and acknowledgments; the Abstract should not exceed 250 words. Communications should not contain headings/subheadings (*i.e.*,Introduction, Materials and Methods, Results, Discussion), other than References, but otherwise should follow the rules pertaining to the preparation, text-formatting and submission of Research Articles for this Journal.

4. **Focus on Molecules**:Focus on Molecules articles are no longer accepted by Experimental Eye Research.

5. **Methods in Eye Research**:These feature articles provide a detailed overview of a specific method or technique used in experimental research of the visual system. This contribution should contain sufficient information to allow successful reproduction of the experimental method/technique in another laboratory. Each article should contain the following headings (the first four being numbered):IntroductionMaterials and SuppliesDetailed MethodsPotential Pitfalls and Trouble ShootingReferences
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The article should not exceed 12 published pages in length including equivalent space for figures. For members of ISER, colour figures will be printed without charge. Include enough detailed information to allow researchers in independent laboratories to successfully reproduce this method

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6. Special Issues: Periodically, Experimental Eye Research will publish a special issue containing review articles that cover selected topics in depth relevant to eye research. While the breadth and scope of these special issues can vary widely, they are intended to contain in a single issue the state of the art in specific areas of eye research. Up to four color plates will be published free of charge in each review articles commissioned by the journal. If you are interested in developing a special issue, please contact the Editor-in-Chief, or the *Special Issues and Review Articles Editor*, Dr. Steven J. Fliesler, at: fliesler@buffalo.edu. Each review included in a special issue will undergo peer review before being accepted for publication.

7. Review Articles: Single review articles are periodically published in Experimental Eye Research. Most published review articles are solicited, but the Editor-in-Chief is always willing to consider new topics for a review. Prior to preparing a review article it is important to first contact the Editor-in-Chief, or Dr. Steven J. Fliesler, *Special Issues and Review Articles Editor*, (fliesler@buffalo.edu) as to whether such a review would be appropriate for publication consideration. No reviews will be published without full peer review. We want all reviews to be succinct and pithy. While the length of a review will be governed by the scope of the topic covered, we suggest to authors that the length be approximately 6000 words, including space for tables, figures and references. Up to four color plates will be published free of charge in each review articles commissioned by the journal.

Contact details for submission

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