



HUMAN IMMUNOLOGY

Official Journal of the American Society for Histocompatibility and Immunogenetics

AUTHOR INFORMATION PACK

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DESCRIPTION

Human Immunology publishes full-length, original, hypothesis-driven basic and clinical research articles as well as brief communications, reviews and editorials covering immunogenetics, transplantation immunology, autoimmunity, and immunity to infectious diseases in humans. It also publishes short population reports, which are tied to the <http://allelefrequencies.net> database, describing allele frequencies of specific immune-related genes.

Immune-related genes include those encoding classical and non-classical HLA, KIR, MIC, minor histocompatibility antigens (mHAg), immunoglobulins, TCR, BCR, proteins involved in antigen processing and presentation, complement, Fc receptors, chemokines and cytokines. Other immune-related genes may be considered.

The journal's scope includes understanding the genetic and functional mechanisms that distinguish human individuals in their immune responses to allografts, pregnancy, infections or vaccines as well as the immune responses that lead to autoimmunity, allergy or drug hypersensitivity. It also includes examining the distribution of the genes controlling these responses in populations.

Research areas include:

Studies of the genetics, genomics, polymorphism, evolution, and population distribution of immune-related genes

Studies of the expression, structure and function of the products of immune-related genes

Immunogenetics of susceptibility to infectious and autoimmune disease, and allergy

The role of the immune-related genes in hematopoietic stem cell, solid organ, vascularized composite allograft and tissue transplants

Histocompatibility studies including alloantibodies, epitope definition, and T cell alloreactivity

Studies of immunologic tolerance and pregnancy

T cell, B cell, NK and regulatory cell functions, particularly related to subjects within the journal's scope

Pharmacogenomics and vaccine development in the context of immune-related genes

Human Immunology is also interested in bioinformatics of immune-related genes and organizational topics impacting laboratory processes, organ allocation, clinical strategies, and registries related to autoimmunity and transplantation.

Original papers with new data will be given preference over uninvited reviews and meta- analyses.

As the flagship scientific publication of the American Society for Histocompatibility and Immunogenetics (ASHI), *Human Immunology* is primarily directed to readers with an interest in histocompatibility, immunogenetics, transplantation, anthropology/population studies, HLA disease association and pharmacogenomics. These include basic and clinical scientists as well as histocompatibility laboratory professionals.

AUDIENCE

Immunologists, Geneticists, Pathologists, Biochemists, Histocompatibility Technologists.

IMPACT FACTOR

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GUIDE FOR AUTHORS

INTRODUCTION

Human Immunology publishes full-length, original, hypothesis-driven basic and clinical research articles as well as brief communications, reviews and editorials covering immunogenetics, transplantation immunology, autoimmunity, and immunity to infectious diseases in humans. It publishes short population reports, which are linked to the <http://www.allelefrequencies.net/> database, describing the allele and haplotype frequencies of specific immune-related genes.

A complete description of the journal's aims, scope and research areas can be found on the [home page](#).

TYPES OF PAPERS

Research papers

A full-length report of original, hypothesis-driven basic or clinical research, with new data, investigated using the scientific method, may be submitted as a research paper.

Limit- 4000 words excluding references, tables, and figures

Abstract- 200 words maximum

References- up to 75

Brief communications

A short report of a distinct novel observation arising from hypothesis-driven basic or clinical research, investigated using the scientific method, may be submitted as a brief communication.

Limit- 2500 words

Abstract- 150 words maximum

References- up to 30

Research papers and brief communications should include the following sections: Title Page (including an abbreviated title of not more than 45 characters and spaces) Abstract (number of words specified above) Keywords (up to 5) Abbreviations (list of abbreviations used) Introduction Materials and Methods Results Discussion Acknowledgements References Tables, Figure Legends, and Figures

Review Articles

Review articles should focus on areas in which there has been recent significant progress by a number of laboratories and investigators. No previously unpublished results should be included. Invited review articles will get priority over uninvited submissions.

Limit- 5000 words, excluding references, tables, and figures

Abstract- 200 words maximum

References- up to 80

Review articles should include the following sections: Title Page (including an abbreviated title of not more than 45 characters and spaces), Abstract (number of words specified above), Keywords (up to 5), Abbreviations (list of abbreviations used), Introduction, Discussion, Conclusions, Acknowledgements, References, Tables, Figure Legends, and Figures.

Short Population Reports

Structured descriptions of reference populations, populations of anthropological interest, and control populations for disease studies, with associated genetic data and minimal analysis, can be published in *Human Immunology* as peer-reviewed Short Population Reports.

Human Immunology has partnered with the Allele Frequencies Net Database (AFND) to archive and make publically accessible the primary genotype, allele frequency and haplotype frequency data for the HLA, KIR, cytokine and MIC genes from these population studies, along with demographic data for each population. Both unambiguous and ambiguous genotype data, with information on how the ambiguities were resolved, are requested.

Details of the AFND data-submission process can be found at www.allelefrequencies.net/submit.

The subsequent instructions for submitting Short Population Reports must be followed exactly:

Demographic data must first be submitted to [AFND](#).

If the data is HLA, the type of each individual must be added to [AFND](#).

If the data is cytokines or KIR, a file containing each individual type must be sent to Derek.middleton@rlbuht.nhs.uk

Following checking and ratification of the data at AFND, authors will be informed that they may now submit the Short Population Report to *Human Immunology*.

The title of a Short Population Report should include the name of the population and its geographic region of origin in no more than 150 characters.

The body of a Short Population Report should include the following in no more than 1000 words: A description of the geographic origin of the population, indicating the general region where the samples were collected, and the region to which the population is indigenous if these locations differ. A brief anthropological and demographic overview of each population's history, including information regarding potential ancestral populations, the history of migrations and any changes in the historical range of the population, and the degree and extent of contact with neighbors or other populations. A summary of the languages spoken by the members of the population, along with any pertinent historical linguistic information. A summary of any relevant cultural or ethnographic information for the population (e.g., ethnic distinctions, marriage patterns, caste structures). A description of the methodology employed in obtaining samples, including: the rationale for collecting the population sample, the rationale for selecting the sites from which the samples were obtained, information regarding the degree of relatedness among individuals, and information on whether or not data was collected in a disease study. A summary of the typing methods used to generate the genotype data for this population. Up to 10 citations of previous genetic studies on the population, for both immunogenetic and non-immunogenetic markers. The following three types of analyses of the genotype data: tests of deviation from Hardy-Weinberg expectations, calculation of allele frequencies, and when multi-locus data are presented, estimation of haplotype frequencies (or calculation of haplotype frequencies if phase is known).

Allele and haplotype frequency tables should be included as supplemental data.

Authors are encouraged to submit reports that describe all commonly typed loci of a specific gene family (e.g. all commonly typed HLA genes, or all commonly typed KIR genes) for a population in a single report. Multiple short populations reports which add only incremental information for the same population will not be accepted. New short population report manuscript submissions should describe a population or gene family that the author(s) has not described before.

For example: Acceptable - descriptions of KIR loci in a population for which HLA genes have previously been described. Not acceptable - a new report describing HLA-B in a population for which an HLA-A report has been published. Not acceptable - a new report describing additional KIR genes for a population in which other KIR genes have already been described in a short population report.

Any additional work deemed insufficient to warrant publication as a new short population report can still be submitted to AFND.

FOR ALL TYPES OF PAPERS

The topics of all papers submitted to *Human Immunology* should fall within the [aims and scope](#) of the journal.

The title page should include the names and affiliations of the authors, the complete address, e-mail address, and telephone number of the corresponding author.

Papers should be divided into clearly defined, labeled and numbered sections.

Writing should be clear and concise. English should be easily understandable with proper grammar and spelling.

All submissions should include a cover letter including the following: A statement that the manuscript is being submitted to *Human Immunology*. Those aspects of the journal's aims and scope to which the manuscript pertains. That the manuscript has not been published and is not currently under consideration by any other journal. That all authors have contributed to the submitted work, and approve the manuscript and its submission to the journal. That any novel HLA sequences have already been checked and named at [IPD-IMGT/HLA](#).

COMPLIANCE WITH REPORTING GUIDELINES

As applicable, manuscripts must be in compliance with the following guidelines for reporting: Strengthening the Reporting of Observational Studies in Epidemiology ([STROBE](#)), Strengthening the Reporting of Genetic Association studies ([STREGA](#)), Strengthening the Reporting of Immunogenomic Studies ([STREIS](#)), Preferred Reporting Items for Systematic Reviews and Meta-Analyses ([PRISMA](#)), Meta-analysis Of Observational Studies in Epidemiology ([MOOSE](#))

A statement that the authors have followed the applicable reporting guidelines and their associated checklists (specify which guidelines were followed) should be included in the methods section of the manuscript.

Contact details for submission

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Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Material and methods

Provide sufficient detail to allow the work to be reproduced, with details of supplier and catalogue number when appropriate. Methods already published should be indicated by a reference: only relevant modifications should be described.

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Results should be clear and concise.

Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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Abstract

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords

Immediately after the abstract, provide a maximum of 5 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, "and", "of"). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

Abbreviations

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

Acknowledgements

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

Formatting of funding sources

List funding sources in this standard way to facilitate compliance to funder's requirements:

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

Reference to a chapter in an edited book:

[3] 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:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13.03.03).

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