CURRENT OPINION IN BIOMEDICAL ENGINEERING

TABLE OF CONTENTS

- Description p.1
- Editorial Board p.2
- Guide for Authors p.4

DESCRIPTION

Current Opinion in Biomedical Engineering provides systematic and focused reviews of the latest developments in different areas of the field of biomedical engineering. The Journal editors invite experts to evaluate the most innovative and interdisciplinary advances published in the previous 3-5 years. In addition to describing recent trends, authors will provide their subjective opinion on the topics discussed.

Themed Sections:
Each issue will review up to two of the major themes of biomedical engineering outlined below. In doing so, the Journal will serve as an invaluable resource to help bridge knowledge gaps amongst the researchers, academics, clinicians, professionals, and students with specializations in the various sub-disciplines of this field.

Biomaterials Biomechanics and mechanobiology Biomedical imaging Future of biomedical engineering Molecular and cellular engineering Neural engineering Novel biomedical technologies Tissue engineering and regenerative medicine

Selection of the topics to be reviewed:
Section Editors, who are major authorities in the field, are appointed by the Editor-in-Chief of the journal. They divide their section into a number of topics representing key subfields of the discipline, ensuring that the field is comprehensively covered and that all issues of current importance are emphasized. Section Editors, together with specialist Guest Editors, commission reviews from authorities on each topic that they have selected with the aim to stimulate exchange of ideas amongst experts. Editorial Board members are experts in the various subfields of the discipline, and support the Section Editors in the identification of important topical areas, Guest Editors, and prospective authors.

Invited review articles:
Authors write short review articles (about 2500 words or 5-10 printed pages with figures) in which they present most recent developments in their subject, emphasizing the aspects that, in their opinion, are most important. In addition, they provide short annotations to the papers that they consider to be most interesting from all those published in their topic over the previous three to four years. The review articles undergo internal review by the Guest Editors, Section Editors and Editorial Board members.

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Section Editors, together with the Guest Editors, will write a short overview at the beginning of the section to introduce the reviews and to draw the reader's attention to any particularly interesting developments.

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INTRODUCTION

The Current Opinion journals were developed out of the recognition that it is increasingly difficult for specialists to keep up to date with the expanding volume of information published in their subject. In the Current Opinion journals, we help the reader by providing in a systematic manner: (1) The views of experts on current advances in the field in a clear and readable form. (2) Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

The aim of the manuscript is to review recent articles, with particular emphasis on those articles published in the past two years. In addition to describing recent trends, you are encouraged to give your subjective opinion of the topics discussed, although you should not concentrate unduly on your own research. Your review should be approximately 2000 words (not including references or reference notes), with approximately 50 references and, as such, the review is intended to be a concise view of the field as it is at the moment, rather than a comprehensive overview. Our audience ranges from student to professor, so articles must be accessible to a wide readership. Please avoid jargon, but do not oversimplify: be accurate and precise throughout. Occasionally, unpublished data can be referred to, but only when essential and should never be used to substantiate any significant point.

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