



## Anatomy & Cell Biology

### Aims and Scope

*Anatomy & Cell Biology* (Anat Cell Biol, ACB, eISSN 2093-3673) is an international forum for multi-perspective discussion of all fields of anatomy, particularly the field of cell biology based on anatomy. The journal publishes papers from basic to applied fields, and covers studies of all levels of biological organizations in human and animal models. Studies with an integrative perspective of anatomical structures at several levels of organization from molecules to living organisms are particularly welcome. ACB's broad audience ranges from molecular biologists to clinicians. All manuscripts receive prompt editorial attention and rigorous peer review process under the supervision of the Editor-in-Chief and the Editorial Board. ACB features 1) original articles, 2) review articles, 3) case reports, and 4) Letters-to-editor.

ACB published the first issue as volume 43, number 1 in March, 2010 and is the official journal of Korean Association of Anatomists (KAA), succeeding *Korean Journal of Anatomy* (ISSN 1225-1305) that started in 1958. ACB is published quarterly on the last day of March, June, September, and December.

All materials published in ACB are copyrighted by KAA. Copyright assignment and duality of interest disclosure forms (found in the back of each issue) must be signed by all authors and returned to the editorial office before a manuscript is published. Requests for permission to use figures of tables or to adapt of reprint articles from this journal should be sent by letter or fax to the Editor-In-Chief. Manuscripts for submission to ACB should be prepared according to *Instructions for authors* which can be found at our website (<http://acbjournal.org/index.php?body=instructions>). All manuscripts must be submitted online (<http://www.acbjournal.com/submission/Login.html>). Copyright and duality of interest forms should be faxed to (82) 2-393-8076. Submission and publication do not incur any charge.

ACB is listed in Scopus, PubMed, PubMed Central (PMC), EBSCO, KoreaMed, Synapse, ESCI, KCI, Google Scholar, and WorldWideScience.

### Open Access

This is an Open Access journal distributed under the terms of the Creative Commons Attribution Non-Commercial License (<http://creativecommons.org/licenses/by-nc/4.0/>) which permits unrestricted noncommercial use, distribution, and reproduction in any medium, provided the original work is properly cited.

Subscription of the printed issue of the journal: Professional membership of KAA does include free subscription for ACB. Individual issues can be purchased for 40 USD, which covers postal charge. For more subscription information, please contact to the editorial office.

Anatomy & Cell Biology Volume 55 • Number 4 • December 2022  
© 2022 Anatomy & Cell Biology.

---

### Contact ACB

**Editor in Chief** Park, In-Sun

**Editorial Office**

Department of Anatomy, Inha University School of Medicine, 100 Inha-ro, Michuhol-gu, Incheon 22212, Korea  
Tel) +82-32-860-9891; Fax) +82-32-884-2105; E-mail) [sunpark@inha.ac.kr](mailto:sunpark@inha.ac.kr)

**Co-Editor in Chief** Hwang, YoungIl

**Editorial Office**

Department of Anatomy, Seoul National University College of Medicine, 103 Daehak-ro, Jongno-gu, Seoul 03080, Korea  
Tel) +82-740-8209; Fax) +82-2-745-9528; E-mail) [hyi830@snu.ac.kr](mailto:hyi830@snu.ac.kr)

**Co-Editor in Chief** Kim, Hee-Jin

**Editorial Office**

Department of Oral Biology, Yonsei University College of Dentistry, 50-1 Yonsei-ro, Seodaemun-gu, Seoul 03722, Korea  
Tel) +82-2-2228-3067; Fax) +82-2-393-8076; E-mail) [hjk776@yuhs.ac](mailto:hjk776@yuhs.ac)

**Executive Editor** Kang, Jae Seung

Department of Anatomy, Seoul National University College of Medicine, 103 Daehak-ro, Jongno-gu, Seoul 03080, Korea  
Tel) +82-2-740-8132; Fax) +82-2-741-8202; E-mail) [genius29@snu.ac.kr](mailto:genius29@snu.ac.kr)

**Co-Executive Editor** Gil, Young-Chun

Department of Anatomy, Chungbuk National University College of Medicine, 1 Chungdae-ro, Seowon-gu, Cheongju 28644, Korea  
Tel) +82-43-249-1784; Fax) +82-43-261-3178; E-mail) [gilyc@chungbuk.ac.kr](mailto:gilyc@chungbuk.ac.kr)

**Published by** Rhyu, Im-Joo

Department of Anatomy and Cell biology, Korea University College of Medicine, 73 Goryedae-ro, Seongbuk-gu, Seoul 02841, Korea  
Tel) +82-2-920-6149; E-mail) [irhyu@korea.ac.kr](mailto:irhyu@korea.ac.kr)

**Printed by** Medrang

2nd Floor, Hyoryeong Building, 32 Mugyo-ro, Jung-gu, Seoul 04521, Korea  
Tel) +82-2-325-2093~4; Fax) +82-2-325-2095; E-mail) [info@medrang.co.kr](mailto:info@medrang.co.kr)

**Manuscript Editing by** Medrang

2nd Floor, Hyoryeong Building, 32 Mugyo-ro, Jung-gu, Seoul 04521, Korea  
Tel) +82-2-325-2093~4; Fax) +82-2-325-2095; E-mail) [info@medrang.co.kr](mailto:info@medrang.co.kr)

Ⓒ This paper meets the requirements of KS X ISO 9706, ISO 9706-1994 and ANSI/NISO Z.39.48-1992 (Permanence of Paper).

This work was supported by the Korean Federation of Science and Technology Societies Grant funded by the Korean Government (Ministry of Education).