

Guide for Potential Authors

Types of Articles Accepted by Neyroelm

Describe each category with limits:

- **Research Articles**
 - Full-length original studies
 - Typical word count (e.g., 2000-3500 words)
- **Review Articles**
 - Critical and comprehensive summaries
 - Should include recent advances and future perspectives
- **Short Communications / Letters**
 - Brief, novel findings
- **Perspectives / Opinions (optional)**
 - Forward-looking or conceptual discussions

General Formatting

- Language: Azerbaijani/English
- Font: e.g., Times New Roman, 12 pt
- Line spacing: 1.5 or double
- Page numbering required

General Guidelines

- The paper should be submitted in a combined format in one single word & PDF format
- No fabrication or manipulation of data
- Raw data may be requested
- Manuscripts must be original
- Similarity checks will be performed
- The manuscript must be written and edited in clear language
- Files (images, videos etc.) that you wish to publish with the manuscript must be sent at the same time as the manuscript in full quality
- For translation manuscripts, the source must be mentioned clearly
- The translation tool must be indicated

Draft Writing Guidelines**Title ((Capitalized; Should Be Succinct, Descriptive, and Accurate))**Author^a

- [a] Title(s), Initial(s), Surname(s) of Author(s) including Corresponding Author(s)
Department
Institution
Address 1

Abstract: Insert abstract text here. ((Maximum 200 words in length. Please ensure your abstract is written so that it can be understood on its own – Please do not use any abbreviation in the abstract.

Keywords: (keywords should be concise, maximum 5.) keyword 1 • keyword 2 • keyword 3 • keyword 4 • keyword 5

1. Heading – All headings need to be Capitalized

Main text paragraph.

Please write all the abbreviations once and use them later for the work.

1.1. Sub-Heading (Sub-headings need to be written like this)

Main text paragraph.

Figure 1. Figure caption. ((Do not capitalize or use bold font for the caption. Check that all parts, insets, and footnotes of Figures are mentioned in the caption.

- Each paper should have at least 2 figures, one serves as graphical abstract, and one should be in the main text.
- High resolution (≥ 300 dpi)
- Accepted formats: TIFF, PNG, JPEG
- Each figure must have a caption
- Tables should be editable (not images)

Main text paragraph.

References:

- All references should be cited in APA style
- All references should be cited in the end of the sentence.
- If there are more 1 reference to cite, make sure to rearrange them alphabetically
- 65% of references should be of recent past 5 years.
- There should be no reference citation in abstract and conclusion.
- Use DOI where possible

Peer Review Process

- Type: Single-blind / Double-blind
- Typical review time (e.g., 2–4 weeks)
- Decision categories:
 - Accept
 - Minor revision
 - Major revision
 - Reject

NEUROELM

Low concentration Na⁺/K⁺-ATPase inhibitors reduce ----- the mRNA expression.

Abdul Etibaroghlu¹, Jeng Haur Chen^{1, *}

* - To whom correspondence may be addressed: jeng-haur-chen@zjnu.edu.cn, +86-000-0000-00

¹College of Chemistry and Life Sciences, Zhejiang Normal University, 688 Yingbin Rd, Jinhua, Zhejiang Province, 321004 China.

Abstract

Transepithelial ion transport of epithelia is crucial for maintaining airway epithelial function. The epithelial ion transport is controlled by a number of channels and Na⁺/K⁺-ATPase, which imports 3 Na⁺ ions, and exports 2 K⁺ ions during each cycle. This study aims to understand the function of Na⁺/K⁺-ATPase on regulating transepithelial ion transport by key transporters including, the epithelial Na⁺ channel and cystic fibrosis transmembrane conductance regulator.

Keywords: Na⁺/K⁺-ATPase inhibition, epithelial ion transport, ouabain, bufalin, oleandrin, gene expression

1. Introduction

Epithelial cells play an important role in ion and water exchange from outside and protect us from bacteria with lumen and mucosal layer that locates on them. The epithelial layer contains ciliated cells, undifferentiated basal cells, Clara cells and Goblet cells. In different organs expression of these cells vary. For example, in mouse trachea Ciliated cells and Clara cells expression are high, but number of basal cells are low. Each cell type has a different function, thereby ion transporters expression varies from one cell type to another. Ciliated cells and Clara cells preserve thickness of PLC by outflow of ions, basal cells are stem cells for other types of cells (Abdul Etibarughlu *et. al* 2025, Neyroelm *et. al* 2026).

2. Results

Our idea was that inhibition of XXXX subunit may result in regulation of both ion transport and activity of YYYYYY.

3. Discussion

Na⁺/K⁺-ATPase inhibitors have been used for a long time for the treatment of cardiac diseases^[33].

4. Experimental Procedures

5. Cell seeding

Epithelial cells that had been detached were gathered, and the cell pellets were re-suspended and filtered through a nylon cell strainer to eliminate larger tissue clusters.

6. Conclusion

7. References

- Kia'i, N., & Bajaj, T. (2023). Histology, Respiratory Epithelium.
- Blanco, G., & Mercer, R. W. (1998). Isozymes of the Na-K-ATPase: heterogeneity in structure, diversity in function. *American Journal of Physiology-Renal Physiology*, 275(5), F633–F650.

Legends to Figures

Figure 1. Effects of 4hr treatment with Na⁺/K⁺-ATPase inhibitors on the I_{sc} timecourse of cultured pig tracheal epithelia.

Figure 2. Effect of membrane transporter inhibitors and stimulators on the electric properties.