

Open Access Research Article

Title

[The title of the manuscript should be concise, specific, and relevant. It should clearly state the main result or conclusion of the manuscript, omitting implicit terms and avoiding abbreviations.]

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Abstract

[Suggestions: No more than 250 words. No citations. Define abbreviations at their first mention.]

Research articles require structured abstracts that briefly introduce the research area and problem, state the study's aims, summarize the design, methods, and analyses, present key findings with essential data, and conclude with the main implications and significance.

Keywords: Keyword 1, keyword 2, keyword 3

[Typically, 3-8 keywords should be provided which can be used for describing the content of the manuscript and will enable the full text of the manuscript to be searchable online.]

1. Introduction

The Introduction section should succinctly introduce the study's background and rationale, highlight the research question or objective, summarize relevant literature, and outline the study's aims and scope. It sets the context for the study and justifies its importance in the field. Avoid including any data or conclusions from the study being reported.

2. Methods

The Methods section should clearly describe the study design, participants, interventions or exposures, outcome measures, data collection procedures, and statistical analyses. Details such as study type, participant characteristics, instruments used, and analytical methods should be included to ensure clarity, reproducibility, and scientific rigor.

2.1 Level 2 heading

2.1.1 Level 3 heading

Tips:

- Include ethical approval and informed consent details, specifying the approving committee or IRB and compliance with guidelines.
- Describe how informed consent was obtained from participants or their representatives.
- For studies using AI, detail its use to allow replication, including the tool, version, and prompts if applicable.

3. Results

The Results section should clearly present study findings, summarizing participant characteristics if applicable and reporting key outcomes with appropriate statistical measures.

Tips:

- Use tables, figures, and graphs to present data and highlight key findings.
- Do not repeat all table or figure data in the text.
- Avoid ambiguous or nontechnical statistical terms.



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- Report results objectively without interpretation.
- Include supplementary materials or technical details in an appendix or electronic version.

Table 1 (other forms: Table 1 and Table 2), **Figure 1** (other forms: Figure 1A,B; Figure 2a,b,c; Figure 1 and Figure 2A) and **Equation (1)** [other forms: Equation (2) and Equation (3)] show the examples of diagrams. All the tables, figures and equations should be cited in sequence in the main content near to the first time they appear. For supplementary material, authors may cite table, equation and figure like **Table S1**, **Figure S1** and **Equation S(1)**.

Table 1. Prediction tools^[1].

Tools	Methods	ACC	PRE	REC	F1	MCC	AUC	AUPRC	Time
NP-HMMer	HMM	0.73	1.00	0.45	0.62	0.54	0.73	0.73	2.9
NeuroPP	SVM	0.84	0.82	0.87	0.84	0.68	0.84	0.78	-
NeuroPID	Ensemble	0.47	0.40	0.13	0.20	-0.09	0.47	0.49	152.92

This part is footer. ACC: accuracy; PRE: precision; REC: recall; F1: F1-score; MCC: matthews correlation coefficient; AUC: area under the curve; AUPRC: area under precision-recall curve.

Table notes:

- Tables should be cited in numeric order and placed after the paragraph where it is first cited;
- The table caption should be placed above the table and labeled sequentially (e.g., Table 1, Table 2);
- Tables should be provided in editable form like DOC or DOCX format (picture is not allowed);
- Abbreviations and symbols used in table should be explained in footnote;
- Explanatory matter should also be placed in footnotes;
- Non-English words should be avoided;
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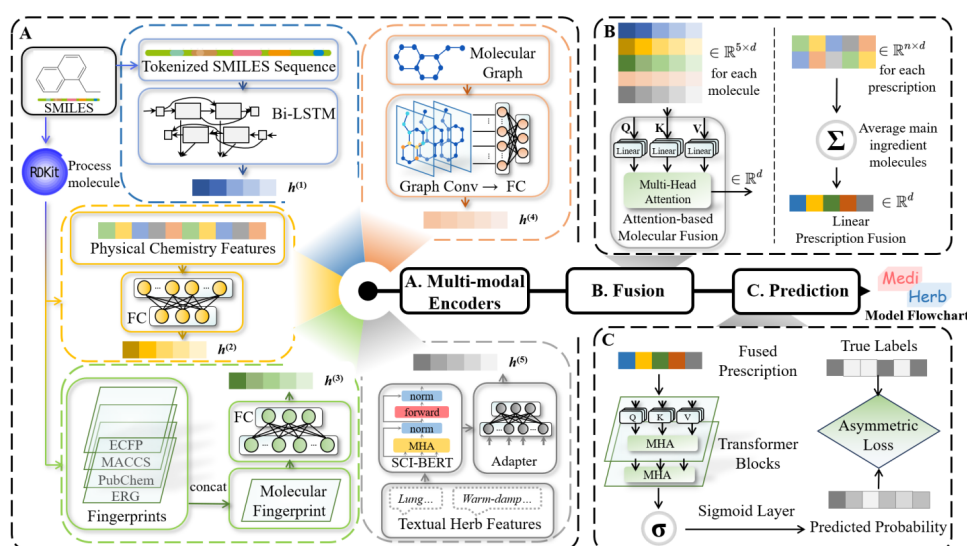


Figure 1. Flowchart of the MediHerb model. (A) Input stage: multi-modal encoders represent the main ingredient of each herb using chemical, structural, physiological, and textual features; (B) Fusion stage: five modalities are integrated via attention and aggregated across herbs in a prescription; (C) Prediction stage: fused features are processed by transformer blocks and a sigmoid layer to produce disease probabilities, optimized with an asymmetric loss for imbalanced multi-label data^[2]. SMILES: simplified molecular input line entry system; Bi-LSTM: bidirectional long short-term memory; FC: fully connected; ECFP: extended connectivity fingerprint; MACCS: molecular access system; ERG: extended reduced graph; MHA: multi-head attention.

Figure notes:

- Figures should be cited in numeric order (e.g., Figure 1, Figure 2) and placed after the paragraph where it is first cited;
- Figures can be submitted in format of tiff, psd, AI or jpeg, with resolution of 300-600 dpi;
- The figure caption should be positioned below the figure;

- Diagrams containing descriptive text (such as flow charts, coordinate diagrams, bar charts, line charts, and scatter plots) should be editable in Word, Excel, or PowerPoint formats. Non-English information should be avoided;
- Labels, numbers, letters, arrows, and symbols within figures should be clear, uniform in size, and contrast with the background;
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- All non-standard abbreviations should be explained in the legend;
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$$J = \frac{9}{8} \varepsilon_0 \varepsilon_r \mu \frac{E^2}{L}$$

Equation note:

- *Equations should be provided in editable form (image file format is not allowed).*

4. Discussion

The Discussion section should interpret results in the context of existing literature, addressing the study's implications, limitations, and potential mechanisms.

5. Conclusion

The Conclusion section should emphasize the study's contribution to the field, suggest future research directions, and highlight practical implications for clinical practice or public health policy.

Tips:

- *Be clear and concise, avoiding repetition of main text details.*
- *Avoid introducing new data or findings.*
- *Highlight potential future developments in the field.*

Declarations

Acknowledgments

Anyone who contributed towards the article but does not meet **the criteria** for authorship, including those who provided professional writing services or materials, should be acknowledged. Authors should obtain permission to acknowledge from all those mentioned in the Acknowledgments section. This section is not added if the author does not have anyone to acknowledge.

Authors contribution

Each author should have contributed significantly to the conception, design, acquisition, analysis, or interpretation of data, or the creation of new software used in the work, or substantively revised the manuscript. Contributions should be indicated using Surname and Initials of Forename.

For example:

Single author:

The author contributed solely to the article.

Two or more authors:

Pal U, Li M: Data analysis and interpretation.

Tian P, Bella F: Article conception and design.

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This section should mention that consent to participate was obtained from all participants or their legal representatives, ensuring that participants were fully informed about the study's purpose, procedures, risks, and benefits before consenting to participate.

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