

Dylan Lawless@kispi.uzh.ch
Department of Intensive
Care and Neonatology,
University Children's
Hospital Zürich,
University of Zürich.

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Dear Editors,

Accurate and systematic analysis of genomic data often relies on curated disease gene panels, yet these remain **fragmented** and **difficult to integrate** into clinical workflows. Our manuscript, "*PanelAppRex aggregates disease gene panels and facilitates sophisticated search*", introduces the first **openly available** harmonised platform of over **58,000 expert-curated** gene-disease associations, including all NHS-approved panels, consolidated into a **machine learning-ready** dataset with a **natural language search** interface. To date, we have had over 300 users downloading the from the pre-print alone.

Our results demonstrate validation and benchmarking with:

- **Standardised** gene identifiers (HGNC, Ensembl, OMIM).
- Structured **annotations** for inheritance, disease terms, and literature.
- **Machine-readable** exports in TSV, CSV, and R.
- Interactive, intuitive **search** and **filtering**.
- Fully **open-source** and **freely accessible** for immediate clinical and research use.
- Import-ready **complete database**.

PanelAppRex serves both technical and clinical users. Bioinformaticians can integrate it into variant prioritisation, modelling, and machine learning workflows. Clinicians and laboratory scientists can rapidly identify gene panels from partial clinical descriptions. In tests on published inborn errors of immunity cases, PanelAppRex retrieved the correct panels in all scenarios, even when gene names were absent.

We believe it suits an *Application Note* in *Bioinformatics Advances*, contributing to precision medicine and genomic interpretation for both academic and industrial researchers

Yours sincerely,

Dylan Lawless, PhD
on behalf of all co-authors