

Genetics Navigator Study Authorship Guidelines

General Authorship Guidelines

There are many individuals involved in our project, whose collaboration we are grateful for and make our research possible. Our intention with this document is clarify what efforts and roles on the project constitute authorship vs. other types of recognition on a paper.

For all papers we will follow the ICMJE guidelines to determine authorship. The ICMJE recommendations advise that authorship should be based on:

- 1) Substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data.
- 2) Drafting the article or revising it critically for important intellectual content.
- 3) Final approval of the version to be published.
- 4) Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

And:

- Authors should meet all conditions (1, 2, 3 and 4). All persons designated as authors should qualify for authorship, and all those who qualify should be listed.
- Acquisition of funding, collection of data, or general supervision of the research group alone does not constitute authorship on a publication. Each author should have participated sufficiently in the work and take public responsibility for appropriate portions of the content.

More information on the recommendations: <http://www.icmje.org/recommendations/>

What constitutes a publication?

Publications refer to any form of public presentation of study data in print (e.g. meeting abstract, manuscript, etc) that were enabled by funding for the Genetics Navigator Study. All publications must be reviewed and approved by the Genetics Navigator PI(s).

Who is an author and how do we determine manuscript author order?

Authorship and author order of a publication depends on the subject focus and will be determined on a paper-by-paper basis. Every author listed should meet all 4 ICMJE conditions outlined above. The PIs will consider each individual author's contribution to the study activities and the manuscript when determining author order. For each manuscript, decisions about who will take on the role of lead author and who will be listed as the senior/corresponding author will be made by the study PIs in consultation with Genetics Navigator Study Team members. First and senior authorship positions apply to the originator and leader(s) of the concept and writers of the manuscript. In general, the lead author of the paper will be an individual who makes a substantial contribution to the project and takes on the responsibility of coordinating the conceptualization, writing and submission of the manuscript along with being a significant contributor to the writing of the manuscript. Co-first authorship is generally discouraged, however in cases where it is

determined appropriate, the co-first authors and the PIs will work together to decide on who of the co-first authors will be listed first on a manuscript and what specific duties that individual will take on as a result.

Clinical Partners and authorship

Authorship for our clinical partners (excluding centre PIs) will be coordinated through the centre's lead contact. One person from each centre will be listed as an author on papers dealing with primary study data. The lead contact at the site will work with the PIs and the Research Program Manager to determine whom from the centre team will be included as an author on each paper. Authors from the centres must meet all 4 ICMJE authorship conditions. All other personnel at each centre involved in the study will be included in the acknowledgements. The need for additional authors from a centre will be determined on a case-by-case basis and will be at the discretion of the PI(s).

Patient Partners and Authorship

We see including patient partners as authors as important to the overall goals of the research. Patient partners will work with the study team to proactively define the type and extent of their contributions to various project tasks. Their level of involvement will inform authorship in line with the ICMJE authorship guidelines, which will be applied to patient partners in the following ways:

Table 1 ICMJE authorship criteria explained from a patient engagement and patient-oriented research perspective. These examples are not inclusive and are meant to be demonstrative

Criterion	Application to Patient Engagement and Patient-Oriented Research
1. <i>Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work.</i>	This might be the case if a patient partner is involved in the project from its start as a research idea, contributed to its design and execution plan, and contributes throughout the project. There are ways for patient partners to make substantial contributions even when they are not involved in all aspects of the research process from the outset. Patient partners may still contribute substantially to a project's overall execution, including, but not limited to, development or selection of methods, recruitment, interpreting results, sharing results, etc. Patient partners may make substantial contributions without being trained in the scientific methodology, data analysis or interpretation. They may make these contributions through their conversations with team members about how they view the results or why they feel the results are important to patients, etc.
2. <i>Drafting the work or revising it critically for important intellectual content.</i>	Patient partners may physically contribute to writing or revising the work, or may otherwise provide intellectual content through critical and constructive comments or commentary in writing or in conversation on manuscript drafts. Drafting some of the manuscript is not necessary for making an intellectual contribution to the content.
3. <i>Final approval of the version to be published.</i>	Patient partners, as part of the authorship team, need to have reviewed and approved the manuscript for submission to be published.
4. <i>Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.</i>	Patient partners do not need to be experts in the work that was carried out (for example, statistical methods), but they do need to be accountable to the work that they did to contribute to the project as presented in the manuscript.

Source: Richards et al. Research Involvement and Engagement (2020); <https://doi.org/10.1186/s40900-020-00213-6>

Genetics Navigator Study Team and group authorship

The Genetics Navigator Study Team represents those individuals who have had a significant role in the conceptualization, development and oversight of the Genetics Navigator study. All members of the Genetics Navigator Team that do not meet ICMJE authorship recommendations (outlined above) will be

included in a manuscript using a group authorship model (i.e. “on behalf of the Genetics Navigator Study Team”).

Acknowledgements

Any individual who played a contributing role to the study, including recruitment, sample collection and analysis but who does not satisfy the ICMJE recommendations for authorship and are not a member of the Genetics Navigator Study Team will be included in the acknowledgements section. All research platforms and funding agencies will be acknowledged including grant # when possible.

Questions about these Guidelines or a Publication?

If you have any questions about our approach to authorship or about a particular publication, please feel free to speak with the study PIs, Dr. Yvonne Bombard or Dr. Robin Hayeems, or the study Research Program Manager, Marc Clausen. This is intended to be a living document and we welcome any feedback that will help make these guideline work for all involved in this project.

Got an Idea for a Paper?

Please contact us! We welcome all of your great ideas on how to best share the learnings from our research.