



EUROPEAN
HEMATOLOGY
ASSOCIATION

 **haematologica**

Journal of the European Hematology Association
Owned & published by the Ferrata Storti Foundation

AUTHOR CONTRIBUTION FORM

Title	Extending the clinical and immunological phenotype of human Interleukin-21 receptor deficiency
First author	<i>Polina Stepensky and Baerbel Keller</i>

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Responsible author (<i>author responsible for the integrity of the work as a whole</i>)
Name: Klaus Warnatz
Institute: University Medical Center Freiburg, Freiburg, Germany
e-mail: Klaus.warnatz@uniklinik-freiburg.de

Author contributions

Please describe the contributions of each author, indicating who was responsible for each part of the study and the preparation of the manuscript (collection of data, experiments, data analysis, generation of figures, interpretation of data, preparation of the text, etc.) :

PS, BK, OE and KW are the principal investigators and take primary responsibility for the paper; PS, OA and MW recruited and treated the patient; BY and OE performed whole exome sequencing and OE performed bioinformatic analysis of exome data; BK, AS and SU performed the laboratory work; BK, SU, MR and AS analyzed data; MS performed the (immune-) histological evaluation and description of the bone marrow; PS, BK, and KW co-ordinated the research and PS, BK, OE and KW wrote the manuscript; all authors revised the manuscript.