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author contribution form

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| Title | Circulating clonotypic B-cells in Multiple Myeloma and Monoclonal Gammopathy of Undetermined Significance |
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Specific contributions of each author are listed on page 2 of this document.

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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, collection of images, interpretation of data, preparation of the text, etc.)

LST performed experiments, analyzed data and contributed to the generation of figures, interpretation of data, and preparation of the text.

MPA performed flow cytometry experiments, analyzed data and contributed to the generation of figures, interpretation of data, and preparation of the text.

AB performed molecular biology experiments, analyzed data and contributed to the generation of figures and interpretation of data.

MAS performed molecular biology experiments and analyzed data.

BP performed and analyzed flow cytometry experiments and collected data from the patients.

MJA performed molecular biology experiments and analyzed data

PB and MLS performed sorting experiments and analyzed flow cytometry experiments data.

JA analyzed data and contributed to the interpretation of data.

MG, JSM and RG contributed to the design of research, interpretation of data and preparation of the text.

AO designed research, analyzed data and contributed to contributed to the generation of figures, interpretation of data, and preparation of the text.