# Author Contribution Form

## Title

Molecular and cytogenetic characterization of expanded B-cell clones from multiclonal versus monoclonal B-cell chronic lymphoproliferative disorders.

## First Author

Henriques A*, Rodriguez-Caballero A*

Both authors contributed equally to this manuscript and they both should be considered as first author.

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Specific contributions of each author are listed on page 2 of this document.

## Responsible Author(s):

**author(s) responsible for the integrity of the work as a whole**

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Author contributions (maximum 1 page):

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.)

1) Ana Henriques: collection of data, experiments, data analysis, interpretation of data, preparation of the text.
2) Arancha Rodríguez-Caballero: collection of data, experiments, data analysis, generation of figures, interpretation of data, preparation of text.
3) Ignacio Criado: experiments, data analysis.
4) Anton W Langerak: data analysis, validation of data.
5) Wendy G Nieto: collection of data, data analysis.
6) Quentin Lécrevisse: generation of figures, manuscript preparation
7) Marcos González: compilation patient samples, provided clinical data
8) Emilia Cortesao: provided clinical data
9) Artur Paiva: retrieved relevant clinical information from patient records
10) Julia Almeida: supervised research, interpretation of data, preparation of the text.
11) Alberto Orfao: supervised research, interpretation of data, preparation of the text.