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## author contribution form

Title	Targeting the phosphoinositide 3-kinase pathway in hematologic malignancies
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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.)

Elias Jabbour designed and performed research, analyzed and interpreted data; and all authors drafted and approved the manuscript.