

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 33233

Manuscript Type: Original Article

#### Observational Study

High frequency of CD34+CD38-/low immature leukemia cells is correlated with unfavorable prognosis in acute myeloid leukemia

Adriana Plesa, Charles Dumontet, Eve Mattei, Ines Tagoug, Sandrine Hayette, Pierre Sujobert, Isabelle Tigaud, Marie Pierre Pages, Youcef Chelghoum, Fiorenza Baracco, Helene Labussierre, Sophie Ducastelle, Etienne Paubelle, Franck Emmanuel Nicolini, Mohamed Elhamri, Lydia Campos, Claudiu Plesa, Stéphane Morisset, Gilles Salles, Yves Bertrand, Mauricette Michallet, Xavier Thomas

#### Abstract

AIM: The goal of our study was to evaluate the importance of the CD34+CD38- cell

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8 Jan 2011 - In **acute myeloid leukemia** (AML), the **leukemia-initiating cell** is found ... **immature cells** (CD34<sup>+</sup>/CD38<sup>-</sup>/CD45<sup>-</sup>/low) enriched for LSCs in many cases of AML. ... at diagnosis **correlates** with **unfavorable prognosis** in childhood AML. ... Thus the initial **frequency** of CD34<sup>+</sup>/CD38<sup>-</sup>/CD45<sup>-</sup>/low cells may ...

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In **acute myeloid leukemia** (AML), the **leukemia-initiating cell** is found within the CD34<sup>+</sup>/CD38<sup>-</sup> cell compartment. ... of **immature** CD34<sup>+</sup>/CD38<sup>-</sup>/CD45<sup>-</sup>/low blasts at diagnosis **correlates** with **unfavorable prognosis** in childhood AML. ... Thus the initial **frequency** of CD34<sup>+</sup>/CD38<sup>-</sup>/CD45<sup>-</sup>/low cells may serve as a ...

[High Proportion of Leukemic Stem Cells at Diagnosis Is Correlated ...](#)[www.tandfonline.com/doi/full/10.3109/08880018.2010.528171?src=recsys](http://www.tandfonline.com/doi/full/10.3109/08880018.2010.528171?src=recsys)

7 Feb 2011 - Conceivably, these most **immature leukemia cells** are more resistant to therapy and ... blasts at diagnosis **correlates** with **unfavorable prognosis** in childhood AML. ... Keywords : childhood **acute myeloid leukemia**, **leukemic stem cell**, ... CD34<sup>+</sup>/CD38<sup>-</sup>/CD45<sup>-</sup>/low—at diagnosis was **correlated** with **high** MRD ...

[CD34 and CD38 are prognostic biomarkers for acute B lymphoblastic ...](#)<https://biomarkerres.biomedcentral.com/articles/10.1186/s40364-016-0080-5>

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16 Dec 2016 - Lack of CD34 or **high** CD38 expression is associated with favorable ... CD34<sup>+</sup>CD38<sup>-</sup> cells have been shown to be able to initiate **acute myeloid leukemia** (AML) [9]. ... patients with acute myeloid leukemia ...



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### High proportion of leukemic stem cells at diagnosis is correlated with ...

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作者: KE Witte - 2011 - 被引用次数: 35 - [相关文章](#)

2011年1月8日 - In **acute myeloid leukemia** (AML), the **leukemia-initiating cell** is found ... **immature cells** (CD34(+)/CD38(-)/CD45(-/low)) enriched for LSCs in many cases of AML ... at diagnosis **correlates** with **unfavorable prognosis** in childhood AML ... Thus the initial **frequency of CD34(+)/CD38(-)/CD45(-/low) cells** may ...

### High levels of CD34+CD38low/-CD123+ blasts are predictive of an ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者: F Vergez - 2011 - 被引用次数: 60 - [相关文章](#)

**Correlations** with complete response, disease-free **survival** and overall **survival** ... 15% at diagnosis and an **unfavorable** karyotype were significantly **correlated** with a lack of ... The percentage of CD34+CD38low/-CD123+ **leukemic cells** at diagnosis was ... Keywords: **leukemic stem cells**, **prognosis**, **acute myeloid leukemia**, ...

### High proportion of CD34+/CD38-cells is positively correlated with poor ...

[https://www.unboundmedicine.com/.../High...CD34+/CD38\\_cells\\_is\\_positive...](https://www.unboundmedicine.com/.../High...CD34+/CD38_cells_is_positive...) - [翻译此页](#)

High proportion of CD34+/CD38-cells is positively **correlated** with **poor prognosis** in newly diagnosed childhood **acute lymphoblastic leukemia**. ... burden and **lower** survival rate were observed in mice injected with CD34+/CD38- cells, ... **High frequency of immature cells** at diagnosis predicts high minimal residual disease ...

### PHENOTYPE IN THE DIAGNOSIS AND PROGNOSIS OF ACUTE ...

[www.mjhid.org/article/view/2013.023/666](http://www.mjhid.org/article/view/2013.023/666) ▼ [翻译此页](#)

作者: D Sawadogo - 2013 - [相关文章](#)

**Leukemia stem cells** are thought to reside within the CD34+ CD38- population. .... Vergez[8] in AML, found that a proportion of CD34+ CD38-/low CD123+ cells ... R. **High frequency of immature cells** at diagnosis predicts high minimal residual ... is **correlated with unfavorable prognosis** in childhood ac

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## Acute myeloid leukemia stem cells and CD33-targeted immunotherapy

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3383202/> - 翻译此页

作者: RB Walter - 2012 - 被引用次数: 157 - 相关文章

Herein, we review studies on the nature of stem cells in AML, discuss clinical data on ... immature CD34<sup>+</sup>/CD38<sup>-</sup> cells initiated and sustained leukemia growth in all ... patients with worse-prognosis AML (eg, those with unfavorable cytogenetics or .... at a low frequency, in various clonogenic progenitors in many patients with ...

## Identification and targeting leukemia stem cells: The path to the cure ...

[https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMed Central \(PMC\)](https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMedCentral(PMC)) - 翻译此页

作者: J Zhou - 2014 - 被引用次数: 30 - 相关文章

2014年9月26日 - Keywords: Acute myeloid leukemia, Leukemia stem cell, ... similar cell surface marker as normal immature hematopoietic cells. ... that high frequency of CD34+CD38- cells, but not total CD34+ cells, amongst blast cells at diagnosis correlates with poor survival in both adult and pediatric AML patients[6,7].

## CD34 and CD38 are prognostic biomarkers for acute B lymphoblastic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5159997/> - 翻译此页

作者: Z Jiang - 2016 - 被引用次数: 2 - 相关文章

2016年12月16日 - Lack of CD34 or high CD38 expression is associated with favorable prognosis. ... The leukemic stem cell (LSC) hypothesis postulates that leukemia .... In a study of 304 AML and 138 ALL patients, Ph<sup>+</sup> ALL patients showed lower CD38 .... of CD34+/CD38-cells is positively correlated with poor prognosis in ...

## Interest in Determining the CD34+ CD38- Phenotype in the Diagnosis ...

[https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMed Central \(PMC\)](https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMedCentral(PMC)) - 翻译此页

作者: D Sawadogo - 2013 - 相关文章