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Function and dynamics of Lmo4-containing complexes during erythropoiesis

Fact Sheet

Project Information

LMOFUNDYN

Grant agreement ID: 220936

Project closed

Start date

1 April 2008

End date

31 March 2010

Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 165 996,12

EU contribution

€ 165 996,12

Coordinated by

ERASMUS UNIVERSITAIR
MEDISCH CENTRUM
ROTTERDAM
 Netherlands

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Objective

Anemias and erythroid malignancies caused by impaired formation of erythrocytes (red blood cells) are common disorders. These diseases have a severe impact on the quality of life of the patients. It is essential to unravel the molecular mechanisms underlying erythropoiesis (the development of red blood cells) to be able to fully understand the etiology of these diseases and to devise novel treatments. The most important part of understanding the molecular mechanisms of erythropoiesis is the unraveling of its transcription factor network and studying how this network responds to outside signals. I propose to analyze the function and dynamics of this network through a study of the factors that are part of the Ldb1/Gata1 complex, and in particular the function of the LMO4 protein.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > [biochemistry](#) > [biomolecules](#) > **[proteins](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[hematology](#)**



Keywords

Development

Haematopoiesis

Haematopoietic stem cells

Health sciences

LMO4

Transcription factor complexes

Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\).](#)

Topic(s)

[PEOPLE-2007-2-1-IEF - Marie Curie Action: "Intra-European Fellowships for Career Development"](#)

Call for proposal

FP7-PEOPLE-2007-2-1-IEF
[See other projects for this call](#)

Funding Scheme

[MC-IEF - Intra-European Fellowships \(IEF\).](#)

Coordinator



ERASMUS UNIVERSITAIR MEDISCH CENTRUM ROTTERDAM

EU contribution

€ 165 996,12

Total cost

No data

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Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

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