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## Chemokine signaling in innate immunity of zebrafish embryos

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**Author:** Cui, Chao

**Title:** Chemokine signaling in innate immunity of zebrafish embryos

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## ***Curriculum vitae***

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Chao Cui was born on the 22<sup>nd</sup> of October 1982 in Tianjin, China. In September 2001, he entered the College of Life Sciences at Nankai University in China for his bachelor study. In 2003, he started his research training at the Medical Molecular Biology Laboratory under the supervision of Chunyu Wang and Prof. Dr. Ju Zhang with a project on expression of co-regulators of estrogen receptors in prostate tissue and cell lines. He obtained his Bachelor Degree in June 2005 and started his master study program of Molecular and Cellular Biology at Leiden University, The Netherlands. From December 2005 to December 2007, he did his master internships in the Molecular Cell Biology Department of the Institute of Biology, Leiden University. During this period he worked on the functional analysis of a zebrafish Rho GTPase gene and on neutrophilic inflammation in zebrafish embryos under the supervision of Dr. Enrique Salas-Vidal and Dr. Annemarie H. Meijer, respectively. He received his degree of Master of Science at Leiden University in December 2007. From February 2008 to June 2012, he worked at the Molecular Cell Biology Department of the Institute of Biology, Leiden University on a Ph.D project supported by the SmartMix program of the Netherlands Ministry of Economic Affairs and the Netherlands Ministry of Education, Culture and Science. In his PhD research he used zebrafish embryo infection models to explore the role of chemokine signaling in the innate immune system, under the supervision of Dr. Annemarie H. Meijer. Currently, he is employed by ZF-Screens B.V. for a short term project on high-throughput cancer screening in zebrafish.



## **List of Publications**

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Zakrzewska, A.\*; **Cui, C.\***; Stockhammer, O. W.; Benard, E. L.; Spaink, H. P.; Meijer, A. H., Macrophage-specific gene functions in Spi1-directed innate immunity. *Blood* **2010**, *116* (3), e1-11. (equal contribution)

Peng, K.; **Cui, C.**; Tomatsu, I.; Porta, F.; Meijer, A. H.; Spaink, H. P.; Kros, A., Cyclodextrin/dextran based drug carriers for a controlled release of hydrophobic drugs in zebrafish embryos. *Soft Matter* **2010**, *6* (16), 3778-3783.

**Cui, C.**; Benard, E. L.; Kanwal, Z.; Stockhammer, O. W.; van der Vaart, M.; Zakrzewska, A.; Spaink, H. P.; Meijer, A. H., Infectious disease modeling and innate immune function in zebrafish embryos. *Methods Cell Biol* **2011**, *105*, 273-308.

Peng, K.; Tomatsu, I.; van den Broek, B.; **Cui, C.**; Korobko, A. V.; van Noort, J.; Meijer, A. H.; Spaink, H. P.; Kros, A., Dextran based photodegradable hydrogels formed via a Michael addition. *Soft Matter* **2011**, *7* (10), 4881-4887.

He, S.; Lamers, G. E.; Beenakker, J. W.; **Cui, C.**; Ghotra, V. P.; Danen, E. H.; Meijer, A. H.; Spaink, H. P.; Snaar-Jagalska, B. E., Neutrophil-mediated experimental metastasis is enhanced by VEGFR inhibition in a zebrafish xenograft model. *J Pathol* **2012**, *227* (4), 431-45.

