

Curriculum Vitae

Shuning He was born on September 11th, 1980 in Nanjing (Jiangsu Province), China. In 1998 she completed her high-school education in Jinling High School, Nanjing, China. At the same year, she started her bachelor study at the Biology Department of Nanjing University, China. During her studies she was involved as research trainee in ongoing projects in the Laboratory of Zoology under the supervision of Cheng Huang and Prof. Jianxiu Chen. After her graduation in 2002, she started her MSc internship with the research topic “*Toll-like receptors: in human and zebrafish*” at Prof. Dr. Herman P. Spaink’s group in the Molecular and Cell Biology department of the Institute of Biology (IBL), Leiden University, Leiden, the Netherlands. She obtained her MSc degree in 2004 (*cum laude*). From September 2004, she started a PhD project under supervision of Dr. B. Ewa Snaar-Jagalska and Prof. Dr. Herman P. Spaink. The topic of the project was “*Cancer and inflammation studies using zebrafish cell lines*”. Since September 2008 she is working as a post-doc fellow in the same group, in the ZF-Cancer project coordinated by Dr. B. Ewa Snaar-Jagalska and funded by the European Commission as part of its Seventh Framework Programme. The aim of the project is to develop clinically relevant high-throughput bioassays for human cancer progression in zebrafish.

Publications

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S.F. Gabby Krens, **Shuning He**, Gerda E.M. Lamers, Annemarie H. Meijer, Jeroen Bakkens, Thomas Schmidt, Herman P. Spaink, B. Ewa Snaar-Jagalska. Distinct functions for ERK1 and ERK2 in cell migration processes during zebrafish gastrulation. *Developmental Biology*. 2008 Jul 15;319(2):370-83

Samira Kabli, **Shuning He**, Herman P. Spaink, Adam Hurlstone, B. Ewa Snaar-Jagalska, Huub J.M. de Groot, A. Alia. In vivo magnetic resonance imaging to detect malignant melanoma in adult zebrafish. *Zebrafish*. 2010 (in press)

Shuning He, S. F. Gabby Krens, Huiqing Zhan, Zhiyuan Gong, Herman P. Spaink, B. Ewa Snaar-Jagalska. An inducible oncogenic zebrafish liver cell model to study hepatocellular carcinoma. (submitted)

Paul Walker*, **Shuning He***, Mary Jones, Christina Michailidou, Noemie Haud, B. Ewa Snaar-Jagalska, Herman P. Spaink, Adam Hurlstone. Combined targeting of MEK and SGK1 inhibits melanoma in a preclinical zebrafish model. (submitted)

Conference Presentations

Characterization of zebrafish cell lines as model for immunological studies. The 4th European Zebrafish Genetics and Development Meeting at Dresden, Germany, 2005 (poster)

Zebrafish liver cells as a model for innate immunity studies. The 5th European Zebrafish Genetics and Development Meeting at Amsterdam, the Netherlands, 2007 (poster)

Human Raf-1 activates MAPK, promotes cell growth and induces oncogenic transcriptional reprogramming in zebrafish liver cells. The 8th International Conference on Zebrafish Development and Genetics at Madison, US, 2008 (poster)

A tamoxifen-inducible oncogenic system based on human Δ RafER fusion in zebrafish. ALW Platform Molecular Genetics Annual Meeting at Lunteren, the Netherlands, 2008 (oral)

An inducible oncogenic zebrafish liver cell model to study hepatocellular carcinoma. Disease Modeling in Zebrafish Cancer and Immune Responses at Spoleto, Italy, 2009 (oral)

VEGF signaling and tumor-associated leukocytes control tumor vascularization and micrometastasis formation in a novel zebrafish xenograft model. The 9th International Conference on Zebrafish Development and Genetics at Madison, US, 2010 (submitted)

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I came to the Molecular Cell Biology section of Institute Biology of Leiden University when Prof. Herman Spaink's group just switched direction and started to set up the research line of using zebrafish as a model organism for biomedical related fundamental studies. This brought me the unusual valuable experience of watching and participating in the development of the section.

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回想起大约八年以前离开南京初到莱顿的时候，对于未来一无所知，刚进实验室的时候也是全然外行。这样一路走下来，到今天能够完成这篇论文，并且继续将生命科学研究作为兴趣和职业，这与周围许多人的帮助和推动是分不开的。

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何舒宁