Chi-Chung Wu, Ph.D.

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Education

Sep 2016	**Institute of Biochemistry and Molecular Biology, Ulm University, Germany** Dr. rer. nat. (summa cum laude)
Sep 2012	**International Max Planck Research School for Cell, Developmental and Systems Biology, Dresden, Germany** Ph.D. student
Aug 2010	**The Chinese University of Hong Kong, Hong Kong** M. Phil in Molecular Biotechnology
May 2008	**The Chinese University of Hong Kong, Hong Kong** BSc in Molecular Biotechnology

Current position

2022 - Present	**European Center for Angioscience, Medical Faculty Mannheim, Heidelberg University, Germany** Junior Group Leader

Previous position

2016 - 2022	**Max Planck Institute for Heart and Lung Research, Germany** Postdoctoral fellow (Supervisor: Prof. Didier Stainier)

Awards

2018 - 2020	Fellowship for Postdoctoral Research, Croucher Foundation HK
2019	Weinstein Cardiovascular Conference Travel Award
2018	Weinstein Cardiovascular Conference Travel Award
2015	Keystone Symposia Scholarship
2014	Weinstein Cardiovascular Conference Travel Award
2014	Short term Fellowship, EuFishBioMed
2011	Poster Award, Biotechnology Center Symposium, Dresden

Publications

1. Bertozzi, A., **Wu, C.C.**, Hans, S., Brand, M. and Weidinger, G. Wnt/β-catenin signaling acts cell-autonomously to promote cardiomyocyte regeneration in the zebrafish heart (2022). ***Developmental Biology*** 481, 226-237.
2. **Wu, C.C.**[*], Bertozzi, A.[*], Dalvoy, M., Nguyen, P., Koopman, C., de Boer, T., Bakkers, J. and Weidinger, G. (2021) Is zebrafish heart regeneration 'complete'? Lineage-restricted cardiomyocytes proliferate to pre-injury numbers but some fail to differentiate in fibrotic hearts. ***Developmental Biology*** 471, 106-118. [*] *Equal contribution*
3. **Wu, C.C.**[#], Jeratsch, S., Graumann, J. and Stainier, D.Y.R.[#] (2020) Modulation of mammalian cardiomyocyte cytokinesis by the extracellular matrix. ***Circulation***

Research 127:896-907. [#] *Corresponding authors*

4. Beisaw, A., Kuenne, C., Günther, S., Dallmann, S., **Wu, C.C.**, Bentsen, M., Looso, B. and Stainier, D.Y.R. (2020) AP-1 contributes to chromatin accessibility to promote sarcomere disassembly and cardiomyocyte protrusion during zebrafish heart regeneration. ***Circulation Research*** 126:1760–1778.
5. **Wu, C.C.**[*], Kruse, F.[*], Dalvoy, M, Junker, J.P., Zebrowski, D.C., Fischer, K., Noël, E.S., Grün, D., Berezikov, E., Engel, F.B., van Oudenaarden, A., Weidinger, G. and Bakkers, J. (2016) Spatially-resolved genome–wide transcriptional profiling identifies BMP signaling as essential regulator of zebrafish cardiomyocyte regeneration. ***Developmental Cell*** 36, 36-49. [*] *Equal contribution*
6. **Wu, C.C.** and Weidinger, G. (2016). Cardiac Regeneration in Zebrafish. ***Regenerative Medicine-from Protocol to Patient****, 3rd edition 2016*, p 307-337, Springer International Publishing.
7. Zebrowski, D.C., Vergarajauregui, S., **Wu, C.C.**, Piatkowski, T., Becker, R., Leone, M., Hirth, S., Ricciardi, F., Falk, N., Giessl, A., Just, S., Braun, T., Weidinger, G., Engel, F.B. (2015) Developmental alterations in centrosome integrity contribute to the post-mitotic state of mammalian cardiomyocytes. ***eLife*** 2015;10.7554/eLife.05563
8. **Wu, C.C.**, Weidinger, G. (2014) Zebrafish as a model for studying cardiac regeneration. ***Current Pathobiology Reports*** 10.1007/s40139-014-0042-2
9. **Wu, C.C.**[*], Schnabel, K.[*], Kurth, T., Weidinger, G. (2011) Regeneration of cryoinjury induced necrotic heart lesions in zebrafish is associated with epicardial activation and cardiomyocyte proliferation. ***PLoS One***. 6(4), e18503. [*] *Equal contribution*
10. Chan W.M., Tsoi H., **Wu C.C.**, Wong C.H., Cheng T.C., Li H.Y., Lau K.F., Shaw P.C., Perrimon N., Chan H.Y.E. (2011) Expanded polyglutamine domain possesses nuclear export activity which modulates subcellular localization and toxicity of polyQ disease protein via exportin-1. ***Human Molecular Genetics****.* 20 (9):1738-1750*.*
11. Lam, W., Chan, W.M., Lo, T.W., Wong, A.K.Y., **Wu, C.C.** and Chan, H.Y.E. (2008) Human receptor for activated protein kinase C1 associates with polyglutamine aggregates and modulates polyglutamine toxicity. ***Biochemical and Biophysical Research Communications.*** 377:714-9.

Selected Presentations

2021	Ethel Browne Harvey Postdoctoral Seminar Series, Society for Developmental Biology (Abstract Talk)
2021	Weinstein Cardiovascular Development and Regeneration Webinars (Abstract Talk)
2021	EMBO Workshop: Cardiomyocyte Biology (Abstract Talk)
2021	JLU/KHFI Cardiology Seminar, Germany (Invited speaker)
2020	Spring of Cardiology Fundamental & Clinical Research, France (Invited speaker)
2020	School of Biomedical Science Seminar, The University of Hong Kong (Invited speaker)
2019	Max Planck Institute for Heart and Lung Research Winter Symposium, Germany (Invited speaker)
2019	Weinstein Cardiovascular Development and Regeneration Conference, USA (Abstract Talk)
2018	Heart Institute Retreat, Children's Hospital Pittsburgh, USA (Invited speaker)
2015	Keystone Symposia 'Heart Diseases and Regeneration: Insights from Development', USA (Abstract Talk)
2014	Weinstein Cardiovascular Development and Regeneration Conference, Spain (Abstract Talk)
2012	3rd EACTS Meeting on Cardiac and Pulmonary Regeneration, Germany (Invited keynote speaker on behalf of Prof. Gilbert Weidinger)