

Dr. Cunming Duan is a tenured full Professor and BSB Chair at the Department of MCDB (Molecular, Cellular and Developmental Biology), University of Michigan, Ann Arbor. He received his B.S. from Ocean University of China in 1982 and PhD from University of Tokyo in 1991. He was a postdoctoral fellow at University of Washington from 1991 to 1993 and at University of North Carolina at Chapel Hill from 1993 to 1996. He joined the University of Michigan faculty as an assistant professor in 1996. He was promoted to associate professor with tenure in 2002, and to full professor with tenure in 2008.

Dr. Duan's scientific expertise is in understanding the roles of peptide hormones and growth factors in regulating cell proliferation, differentiation, and apoptosis and in modulating growth and development in response to hypoxia and nutrient restriction. He has published over 110 scientific articles and 5 book chapters on these topics. His current H-index is 47 and i10 Index 89. He received the K.C. Wong Education Foundation Award and the Merck Senior Fellows Award from the USA Endocrine Society.

Dr. Duan is the Specialty Chief Editor in the journal *Frontiers in Experimental Endocrinology* and on the editorial board in 4 other journals. He is a council member of the International Society for IGF Research and the North America Society for Comparative Endocrinology. He has served on many grant review panels and organized a number of international meetings and workshops, including the 2017 IGF and Insulin System in Physiology and Disease Gordon Research Conference.

Selected recent publications:

Liu, C., Xin, Y., Bai, Y., Lewin, G., He, G., Mai, K., and Duan, C. (2018) Ca²⁺ concentration-dependent premature death of *igfbp5a* mutant zebrafish reveals a critical role of IGF signaling in adaptive epithelial growth and organismal calcium balance. *Science Signaling*. 11(548). pii: eaat2231.

Zhang, P., Bai, Y., Lu, L., Li, Y. and Duan, C. (2016) An oxygen-insensitive Hif-3 α isoform regulates left-right asymmetry by destabilizing nuclear β -catenin. *eLife*. pii: e08996;10.7554/eLife.08996.

Dai, W., Bai, Y., Zhong, X., Hebda, L., Liu, J., Kao, J., and Duan, C. (2014) Calcium deficiency-induced and TRP channel-regulated IGF1R-PI3K-Akt signaling regulates abnormal epithelial proliferation. *Cell Death and Differentiation*. 21:568-581.

Zhang, P., Yao, Q., Lu, L., Li, Y. and Duan, C. (2014) Hypoxia inducible factor-3 is an oxygen-dependent transcription activator and regulates a distinct transcriptional response to hypoxia. *Cell Reports*. 6: 1110-1121.

Zhou, J., Xiang, J., Zhang, S., and Duan, C. (2013) Structural and functional analysis of amphioxus IGFBP uncovers ancient origin of IGF-independent functions. *Endocrinology*, 154:3753-63.

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Kamei, H., Ding, Y., Kajimura, S., Wells, M., Chiang, P. and Duan, C. (2011) Role of IGF signaling in catch-up growth and accelerated temporal development in zebrafish embryos in response to oxygen availability. *Development*. 138: 777-786.

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