Zebrafish embryos and larvae as a complementary model for behavioural research
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Curriculum Vitae
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In 2008, he was awarded an ‘Master of Science leading to PhD scholarship’ by The Higher Education Commission, Pakistan. He joined The Netherlands Institute of Ecology, Utrecht University and obtained his second M.Sc in Environmental Biology in November 2009 under the supervision of Marcel Klaassen. In January 2010, he joined Department of Integrative Zoology, Institute of Biology, Leiden University, The Netherlands to pursue his PhD under the supervision of Michael K. Richardson. He studied the zebrafish as an animal model to understand the behavioural repertoire of larval zebrafish. He also studied effects of biocides, nanoparticles and neurotoxicants on the development and locomotor activity of zebrafish. Many of the key research results from this work are presented in this thesis. In future, he intends to continue working as a researcher in behavioural neurosciences and toxicology.
Publications and Manuscripts
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- **Ahmad, F** and Richardson MK. Effet of lighting conditions on locomotor activity of zebrafish. Submitted to *Plos One*

- **Ahmad F**, Richardson MK and Tudorache, C. Adaptation patterns of zebrafish larvae in response to light and dark transitions. Submitted

- **Ahmad F**, Richardson MK and Tudorache, C. Effects of biocides and metals on zebrafish development and locomotor activity. Submitted to *Plos One*

- **Ahmad F**, Richardson MK. Effects of lighting conditions and anxiolytic on colour preference and avoidance patterns. Submitted to *Behavioural Processes*
• Akram MN, Ahmad F, Richardson MK and Choi YH. Effects of neurotoxicants on locomotor activity and development of zebrafish larvae. *Manuscript in preparation*

• Ahmad F and Richardson MK. Effect of *lilium candidum* on zebrafish pigmentation. *Manuscript in preparation*