

CBC SEMINAR ANNOUNCEMENT



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Zebrafish as an *in vivo* tool for toxicology: Déjà vu

The increasing number and diversity of compounds in combination with high-throughput *in vitro* assays generates a lot of potential drugs that require additional validation prior to their use in humans. Additional screening should be done in animal models *in vivo*. Given some limitations of existent animal models the new species of vertebrates should be introduced for this purpose. Initially, the zebrafish (*Danio rerio*) has become a popular model system for the study of vertebrate development, since the embryos and larvae of this species are small, transparent and undergo rapid development outside of maternal organism, allowing *in vivo* analysis of their development. More recently, the zebrafish emerged as a promising model animal for analysis of toxicity of candidate drugs. This presentation will illustrate some recent developments in usage of zebrafish for studies in toxicology and biophysics.

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| Date: | 20th April 2012 (Friday) |
| Time: | 11am – 12:30pm |
| Venue: | NTU SPMS CBC Building Level 2, Conference Room |
| Host: | Asst Professor Zhao Yanli |