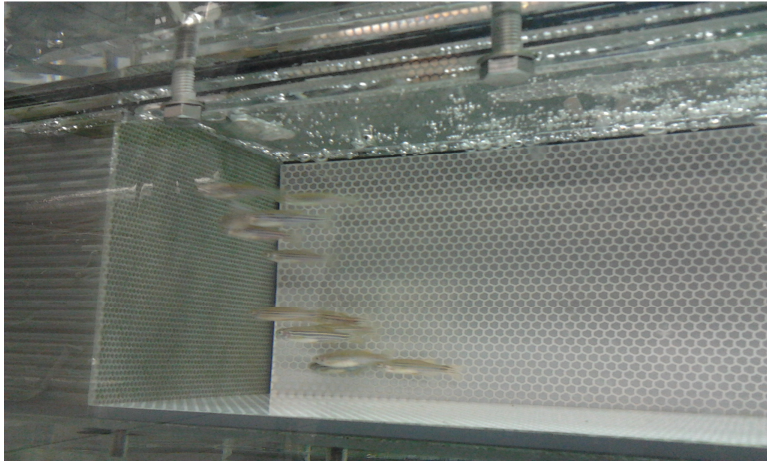


<b>SCIENTIFIC REPORT</b>	
<b>Reference</b>	COST-STSM-FA1304-27685
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<b>STSM Reference Code</b>	COST-STSM - FA1304-27685
<b>STSM Title</b>	Assessing the influence of individual variation in coping styles on swimming performance in zebrafish ( <i>Danio rerio</i> )

### Summary

The main aim of this experiment was to investigate the influence of coping styles on swimming performance in fish. Using the zebrafish, *Danio rerio*, as the experimental model species, we tested the hypothesis that reactive and proactive coping styles have different metabolic rates and different responses to swimming-induced activity. The study was developed between September and October 2015 at University of Barcelona, Spain and supervised by Dr. Josep Planas. A group of 300 zebrafish were held in the facilities of the University of Barcelona and they were screened for personalities. After the screening a group of 10 individuals from each personality group were submitted to a swimming performance test in order to evaluate their responses. First results confirm that different personalities have different swimming performances and so underlying different metabolic needs. This study successfully contribute to the establishment of a relationship between behaviour and swimming performance.



**Figure 1.** Swimming tunnel with proactive zebrafish being tested.