Publications

Recent Publications

Chia, J. S. M. et al.
Bacteria evoke alarm behaviour in zebrafish.

Jesuthasan, S.
The thalamo-habenula projection revisited.

Mohamed, G. A. et al.
Optical inhibition of larval zebrafish behaviour with anion channelrhodopsins.
*BMC Biology* 15, 103 (2017).

Cheng, R.-K., Krishnan, S., Lin, Q., Kibat, C. & Jesuthasan, S.
Characterization of a thalamic nucleus mediating habenula responses to changes in ambient illumination.

Lin, Q. & Jesuthasan, S.
Masking of a circadian behavior in larval zebrafish involves the thalamo-habenula pathway.

Lupton, C. et al.
Loss of the Habenula Intrinsic Neuromodulator Kisspeptin1 Affects Learning in Larval Zebrafish.

Kibat, C., Krishnan, S., Ramaswamy, M., Baker, B. J. & Jesuthasan, S.
Imaging voltage in zebrafish as a route to characterizing a vertebrate functional connectome: promises and pitfalls of genetically encoded indicators.

Cheng, R.-K., Krishnan, S. & Jesuthasan, S.
Activation and inhibition of tph2 serotonergic neurons operate in tandem to influence larval zebrafish preference for light over darkness.

Krishnan, S. et al.
The right dorsal habenula limits attraction to an odor in zebrafish.

A microfluidic device to sort cells based on dynamic response to a stimulus.
*PLos ONE* 8, e78261 (2013).
Mathuru, A. S. & Jesuthasan, S.  
The medial habenula as a regulator of anxiety in adult zebrafish.  
Front Neural Circuits 7, 99 (2013).

Mathuru, A. S. et al.  
Chondroitin Fragments Are Odorants that Trigger Fear Behavior in Fish.  

Lee, A. et al.  
The habenula prevents helpless behavior in larval zebrafish.  

Hendricks, M. & Jesuthasan, S. PHR regulates growth cone pausing at intermediate targets through microtubule disassembly.  

Reviews  
S. Jesuthasan (2012)  
Fear, anxiety and control in the zebrafish.  
Dev. Neuro, 72, 395 - 403.

Time for Zebrafish.  
Frontiers in Integrative Neuroscience, 5, 40.

S. Jesuthasan and A. Mathuru (2008)  
The alarm response in zebrafish: innate fear in a vertebrate genetic model.  
J. Neurogenetics, 22, 1-18