

Publications

Recent Publications (#:Co-first, *:Corresponding, H-index: 9)

C Lim & AS Mathuru

Modeling Alzheimer's and Other Age Related Human Diseases in Embryonic Systems.

Journal of Developmental Biology, 6(1), 1–6. <http://doi.org/10.3390/jdb6010001>

AS Mathuru

A little rein on addiction (2017).

DOI: <https://doi.org/10.1016/j.semcdb.2017.09.030>

AS Mathuru

Conspecific injury raises an alarm in medaka (2016).

DOI: <http://dx.doi.org/10.1038/srep36615>

S Krishnan#, AS Mathuru# et al.

The right dorsal habenula limits attraction to specific odors.

Current Biology 2014,

DOI: <http://dx.doi.org/10.1016/j.cub.2014.03.073>

SJ Tan, M Kee, AS Mathuru et al.

A microfluidic device to sort cells based on dynamic response to a stimulus,

PLOS One, 2013,

DOI: <http://dx.doi.org/10.1371/journal.pone.0078261>

A Schirmer, S Jesuthasan and AS Mathuru* Tactile stimuli reduce fear in fish,

Front. of Behav. Neurosci., 2013,

DOI: <http://dx.doi.org/10.3389/fnbeh.2013.00167>

AS Mathuru and S Jesuthasan

The medial habenula as a regulator of anxiety in adult zebrafish. *Front.*

Neural Circuits 2013,

DOI: <http://dx.doi.org/10.3389/fncir.2013.00099>

AS Mathuru et. al.,

Chondroitin Fragments Are Odorants that trigger fear behavior in fish.

Current Biology, 2012

DOI: <http://dx.doi.org/10.1016/j.cub.2012.01.061>

A Lee, AS Mathuru, et. al.,

The habenula prevents helpless behavior in larval zebrafish.

Current Biology, 2010

DOI: <http://dx.doi.org/10.1016/j.cub.2010.11.025>

AS Mathuru and S Jesuthasan,

Alarm Response in Zebrafish: Innate Fear in a Vertebrate Genetic Model.

Journal of Neurogenetics, 2008

DOI: <http://dx.doi.org/10.1080/01677060802298475>

M Hendricks, AS Mathuru et al.

Disruption of Esrom and Ryk identifies the roof plate boundary as an intermediate target for commissure formation.

Molecular and Cellular Neuroscience, 2008,

DOI: <http://dx.doi.org/10.1016/j.mcn.2007.10.002>

AS Mathuru and US Bhalla,

A propagating ERKII switch forms zones of elevated dendritic activation correlated with plasticity.

HFSP J, 2006,

DOI: <http://dx.doi.org/10.2976/1.2721383>

AS Mathuru and US Bhalla,

Synaptic plasticity – in vitro and in silico : Insights into an intracellular signaling maze.

Physiology, 2006

DOI: 10.1152/physiol.00009.2006

AS Mathuru and US Bhalla,

A role for ERKII in synaptic pattern selectivity on the time-scale of minutes.

E. J. Neurosci., 2004

DOI: <http://dx.doi.org/10.1111/j.1460-9568.2004.03725.x>

SJ Vayttaden, Mathuru AS and US Bhalla,

A spectrum of models of signaling pathways.

Chembiochem, 2004,

DOI: <http://dx.doi.org.10.1002/cbic.200400127>