

Complete publications [to July, 2011] for Thurston C. Lacalli

I. Bilaterian body plan, chordate brains, and related evolutionary issues

- Rieger, V., Perez, Y., Muller, C.H.G., Lacalli, T.C., Hansson, W.S. and Harzsch, S., 2011. Development of the nervous system in hatchlings of *Spadella cephaloptera* (Chaetognatha), and implications for nervous system evolution in Bilateria. *Dev. Growth Diff.* **53**: 740-759.
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- Lacalli, T.C., 2002. Vetulicolians – are they deuterostomes? chordates? *BioEssays* **24**: 208-211.
- Lacalli, T.C., 2001. New perspectives on the evolution of protochordate sensory and locomotory systems, and the origin of brains and heads. *Phil. Trans. Roy. Soc. Lond.* **B356**: 1565-1572.
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II. Protochordate brains: the amphioxus project

- Candiani, S., Lacalli, T.C., Parodi, M., Oliveri, D. and Pestario, M., 2008. The cholinergic gene locus in amphioxus: molecular characterization and developmental expression patterns. *Dev. Dynam.* **237**: 1399-1411.
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- Lacalli, T.C., 2008. Basic features of the ancestral chordate brain: a protochordate perspective. *Brain Res. Bull.* **75**: 319-323.
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- Lacalli, T.C., 2006. Prospective protochordate homologs of the midbrain and MHB, with some thoughts on MHB origins. *Int. J. Biol. Sci.* **4**: 104-109.
- Wicht, H. and Lacalli, T.C., 2005. The nervous system of amphioxus: structure, development, and evolutionary significance. *Can. J. Zool.* **83**: 122-150.
- Lacalli, T.C., 2004. Sensory systems in amphioxus: a window on the ancestral chordate condition. *Brain Behav. Evol.* **64**: 148-162.
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III. Marine invertebrate larvae and larval nervous systems

- Lacalli, T.C., 2009. Serial EM analysis of a copepod larval nervous system: naupliar eye, optic circuitry, and prospects for full CNS reconstruction. *Arthr. Struct. Devel.* **38**: 361-375.
- Lacalli, T.C. and Kelly, S.J., 2002. Anterior neural centres in echinoderm bipinnaria and auricularia larvae. *Acta Zoologica* **83**: 99-110
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IV. Pattern formation

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