

A comprehensive Structural, Lectin, and Immunohistochemical Characterization of the Zebrafish Olfactory System

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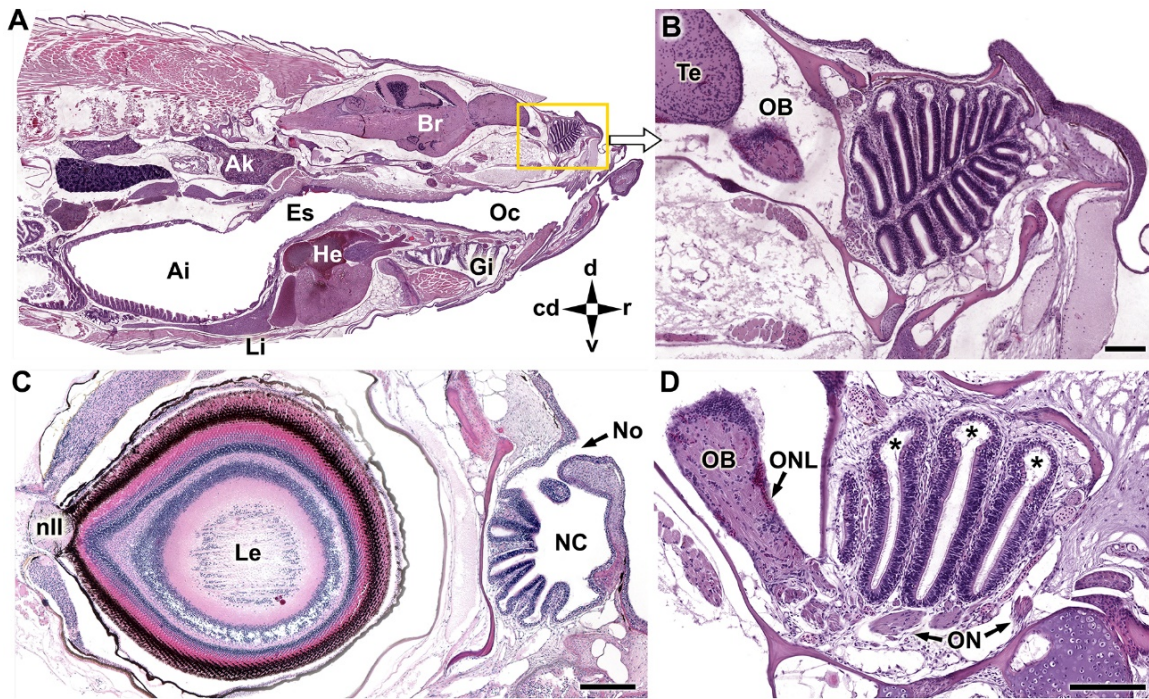
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Supplementary Fig. S1 Microscopic anatomy of the zebrafish olfactory system. (A) Low power sagittal section of the anterior zebrafish body showing its main morphological features. (B) Higher magnification of the inset in A showing a general view of the olfactory rosette and the olfactory bulb (OB). (C) Lateral sagittal section of the head showing the topographical relationships of the nasal cavity with the eyeball. The dorsal nostril (No) is also shown. (D) Medial sagittal section of the olfactory rosette showing its connection with the OB through the branches of the olfactory nerve (ON). The upper rims of the lamellae form a channel-like system (asterisks). Ai, anterior intestine; Ak, anterior kidney; Br, brain; Es, esophagus; Gi, gills; He, heart; Le, lens; Li, liver; nll, optical nerve; NC, nasal cavity; Oc, oral cavity; ONL, olfactory nerve layer; Te, telencephalon; cd, caudal; d, dorsal; r, rostral; v, ventral. Staining: Hematoxylin-eosin. Scale bars: 100 μ m.