



WHITE PAPER // VERSION 1.3

Seasquirt

A 177-neuron meme experiment built around the published connectome of a Ciona larva.

REAL CONNECTOMICS. EXTREMELY UN-SERIOUS COMMANDERS.

THE PREMISE	A real biological wiring diagram becomes the transparent behavioral engine for a character people can watch, steer, and understand.
THE MEME	A microscopic digital defense army commanded by a tiny chordate. The military language is satire; the safe real-world theme is authorized model evaluation and transparency.
THE BOUNDARY	No uploaded animal mind, autonomous wallet, unauthorized access, decryption, private-profile scraping, or promise of financial return.

seasquirt.info

Where the 177 neurons came from.

The source is a peer-reviewed electron-microscopy reconstruction of the central nervous system of a *Ciona intestinalis* tadpole larva.

OBSERVE	Researchers examined ultrathin serial sections of a single larva using electron microscopy.
RECONSTRUCT	Neuronal profiles, cell bodies, axons, terminals, synapses, and partners were traced and classified.
MEASURE	Figure 16 represents connection strength as cumulative depth of presynaptic contact across sections.
PUBLISH	The complete chemical-synapse matrix was released as Figure 16 source data 1 in an Excel workbook.
TRANSFORM	Seasquirt reads non-zero cells as directed weighted edges and retains the published neuron identifiers.

Scientific limitation

A connectivity matrix is not a complete nervous-system model. Synaptic sign, neurotransmitters, membrane dynamics, sensory calibration, biological variability, and many cellular properties are incomplete or absent. Seasquirt is therefore an exploratory visualization, not an emulation of cognition.

Primary source

Ryan K, Lu Z, Meinertzhagen IA (2016). The CNS connectome of a tadpole larva of *Ciona intestinalis* (L.) highlights sidedness in the brain of a chordate sibling. *eLife* 5:e16962. DOI: 10.7554/eLife.16962. Figure 16 source data 1 DOI: 10.7554/eLife.16962.040.

From matrix to motion.

The browser runs a deliberately compact point-neuron model so its assumptions remain visible.

GRAPH	Every named source and target becomes a node. Every positive matrix value becomes a directed edge.
WEIGHT	Published cumulative contact depth supplies relative edge weight; large values are capped in the display model.
INPUT	The sandbox screen creates a visual target and light field. Target direction and brightness stimulate alternating photoreceptor groups.
UPDATE	Prior activity decays, weighted incoming activity propagates, sensory input is added, and a small noise term keeps the visualization moving.
OUTPUT	Named left and right motor neurons are averaged. Their asymmetry turns the sandbox cursor; combined activity controls forward drive.
CHOICE	The audience chooses the visible target. The connectome calculation produces the motor response and cursor path.

Reproducibility

The site links both the exact processed JSON used by the visualization and the original Excel matrix, allowing visitors to inspect the transformation or build another model.

Isolated computer boundary

The connectome controls only a simulated cursor inside the page. It cannot leave the sandbox, open the public web, store a private key, connect a wallet, request a signature, or broadcast a transaction.

The coin is the artifact, not the science.

SEASQUIRT gives the experiment a public identity and community surface. It does not confer ownership of the underlying research.

IDENTITY	Name: Seasquirt. Ticker: SEASQUIRT. Launched on Solana through Pump.fun. Official mint: 2nqUToeiy31HpM6qrZNwgCDQfxNrTpuKCJprzqkKpump.
PARTICIPATION	Visual-target choices, cursor experiments, community art, and reactions to verified on-chain events.
DISCOVERY	A memorable path from a meme character to peer-reviewed connectomics data.
TELEMETRY	Potential display of verified buys, sells, volume, holder count, and creator-fee activity when reliable public data is available.

No promises

SEASQUIRT is a highly speculative meme token. This paper makes no promise of price appreciation, liquidity, utility, revenue, governance rights, ownership, or future development. Buyers can lose all funds committed to the token. Nothing here is financial, legal, scientific, or cybersecurity advice.

Transparency charter

Primary data stays linked. Synthetic content stays labeled. Security stays defensive and authorized. Live market data identifies its source. Humans control wallet signatures and every irreversible action.

References

Project: <https://seasquirt.info>

Official Pump.fun market: <https://pump.fun/coin/2nqUToeiy31HpM6qrZNwgCDQfxNrTpuKCJprzqkKpump>

Study: <https://doi.org/10.7554/eLife.16962>

Figure 16 source data: <https://doi.org/10.7554/eLife.16962.040>

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