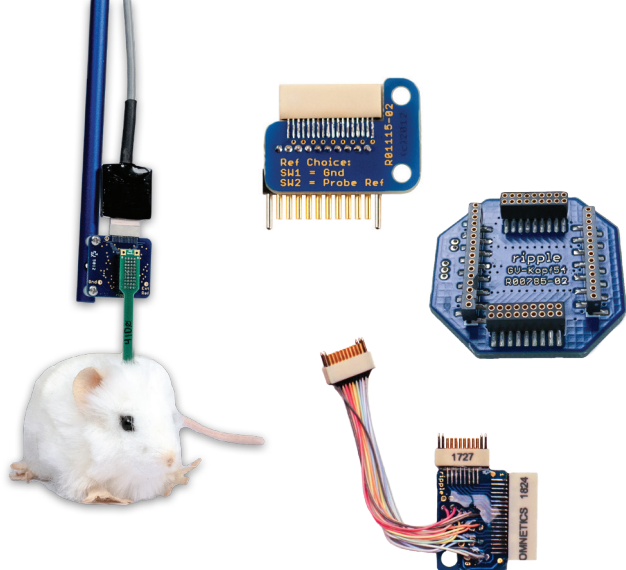## *HIGH THROUGHPUT RODENT ELECTROPHYSIOLOGY*
Rapid, High Quality Data Collection

With the ability to record from multiple subjects at the same time, the Grapevine Neural Interface System is ideal for rapidly collecting high quality data from a large number of subjects, providing maximum statistical power. Notable features include:

- Isolated grounds and independent references on each port: This eliminates the possibility of ground loops, and provides a separate reference for each animal, resulting in low-noise data whether recording from a single subject or multiple subjects simultaneously.

- Onboard processing for maximum flexibility and automation: Rather than simply streaming data to a computer, the Grapevine system processes data on-the-fly, providing a high level of automation, and the ability to create dynamic experiments that vary based on the animals behavior or physiological responses. Our advanced APIs give you complete control for cutting edge experiments.

- Stimulation and recording on one board: Our proprietary ASIC technology allows for stimulation and recording on a single Front End, greatly simplifying connections and reducing setup time. Our fast settle technology removes stimulation artifacts and provides the cleanest recordings possible.

SOLUTIONS FOR ANY EXPERIMENTAL SETUP

Ripple Neuro designs and builds all equipment in-house, and has developed a wide array to fit almost any experimental need. We are also no strangers to custom engineering, and can create custom adapters for any connector, as well as provide support for custom devices and applications. Grapevine processors have a wide a large number of digital and analog I/O, enabling them to control or interface with most behavioral system or third party device.

	Scout	NIP	Dual NIPs
Subjects	Up to 2	Up to 4	Up to 8
Channels	Up to 128	Up to 512	Up to 1024

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