



# The Multi-Channel Conduit

## Superior guidance for peripheral nerve repair

### Technology Highlights

Potential to significantly improve patient outcome & reduce recuperation times

Repairs nerve gaps of up to **5cm** in length

Biodegradation control

Capacity to link therapeutic agents

Granted patents



#### Market opportunity

An estimated 700,000 cases of peripheral nerve neurotrauma are reported in the U.S. each year, resulting in over 90,000 surgical procedures. Typical treatment options, namely autografting and allografting, tend to be invasive and subject to significant issues in terms of inadequate or unsuitable donor nerve, neuroma formation and donor site morbidity, not to mention nerve regeneration success. Nerve conduit technology does offer significant promise, but to date has been restricted by limitations in terms of the gap they can bridge and degradation control.

Professor Pandit and his team at NUIG have developed and optimised a multi-channel conduit solution, which enables **significantly improved guidance of nerve growth**, repairing nerve gaps of up to 5cm in length. Such performance, along with the flexibility to control the rate of biodegradation, distinguishes this Multi-channel Conduit from any other conduit or solution currently on the market.

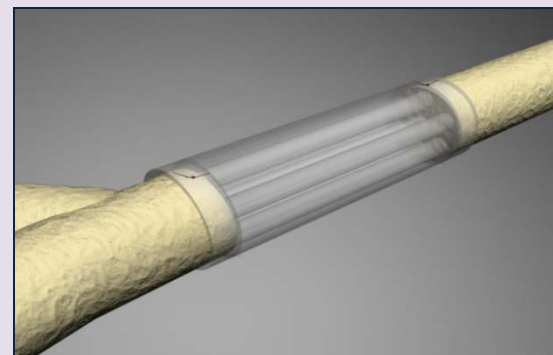
	Neurotube®	Neurolac®	NeuraGen™	NeuroMatrix™	Neuroflex™	NUIG's conduit
Bio-degrades in...	3 months	16 months	48 months	7 months	7 months	programmable
Gap repair of...	3cm	3cm	3cm	2.5cm	2.5cm	5cm

#### Stage of development

Proof of Concept has been demonstrated through significant preclinical studies.

#### Core Research team:

The Network of Excellence for Functional Biomaterials (**NFB**), led by **Professor Abhay Pandit** is an inter-disciplinary team with a world class track record in developing innovative functional biomaterial solutions to address current clinical challenges.



#### Objective

We are interested in engaging with potential investors and business partners with an interest in licensing or commercialising high potential technologies .

**If you are interested in learning more about this opportunity please contact:**

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