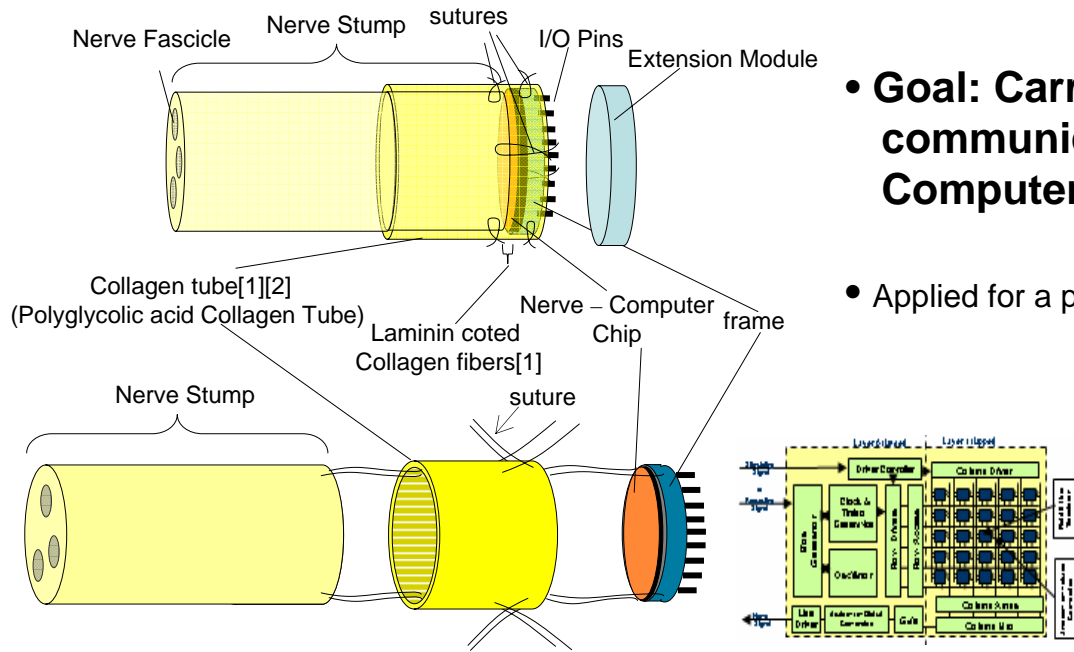


Field Effect Transistor Nerve-Computer Interface

An, Byoungkwon



- **Goal: Carrying out ultra-high resolutional communication between Nervous System and Computer.**

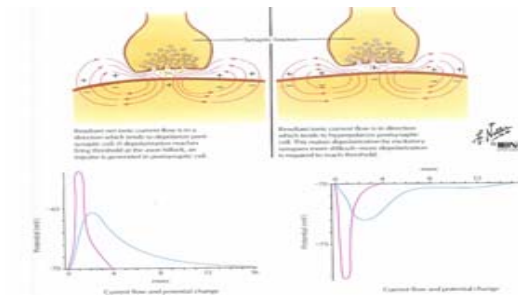
- Applied for a patent (B.K.An,10-2006-0078155,KR)



Photograph of a nerve being secured in the polyglycolic acid conduit. [fig 1, Plast Reconstr Surg 106:1036-1048]



Regeneration of Nerve fibers [S.E. Mackinnon, A. L. Dellon, Surgery of the peripheral nerve, Fig1-17, p21-23]



Potentials in neurons [D.L.Felten, Netter's Atlas of Human Neuroscience, p17]

[1] K. Matsumoto, et al., Brain Res 868:315-328, 2000.
 [2] Yuji I, et al., Neurosurgery 55:640-648, 2004