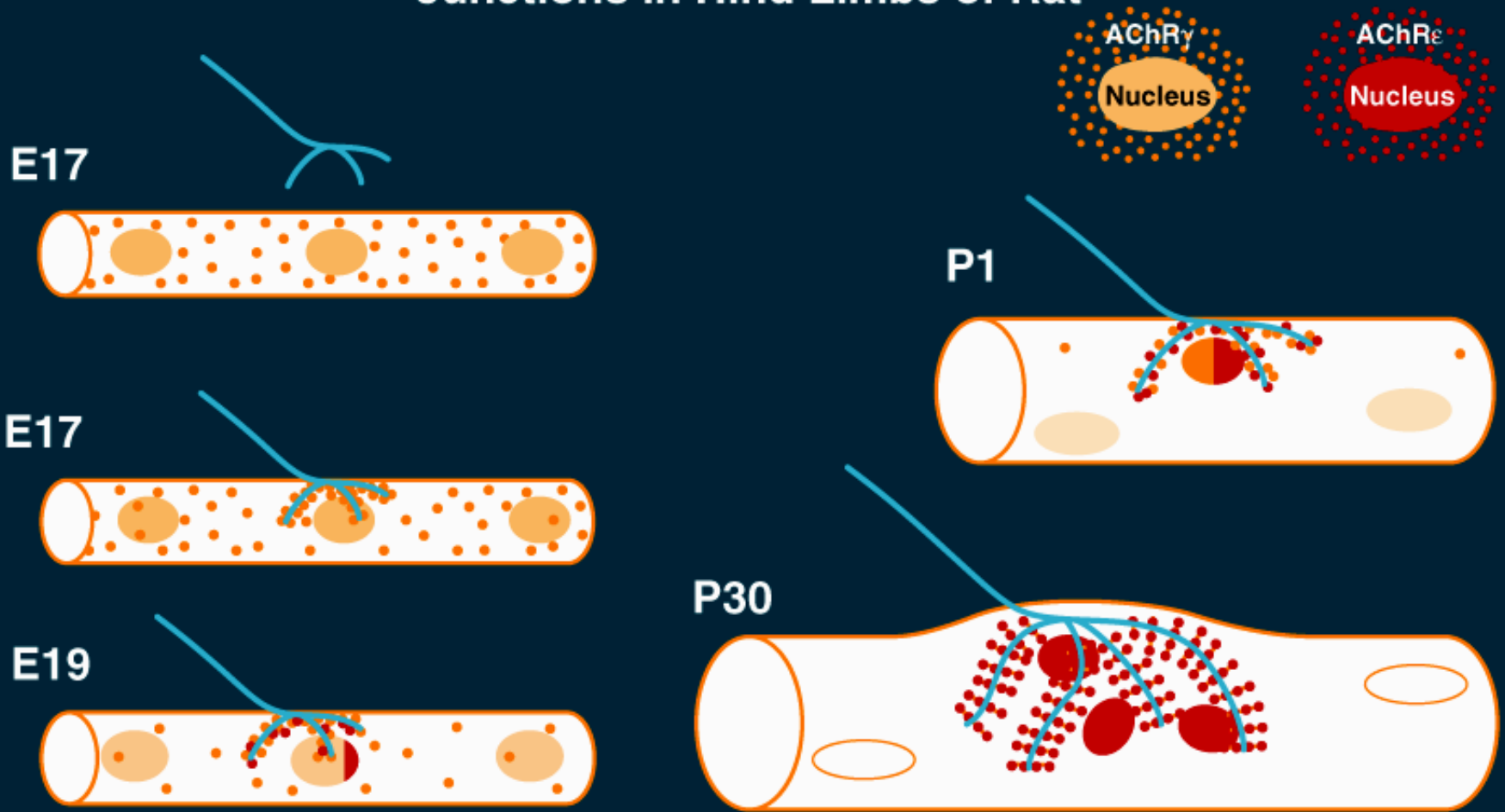
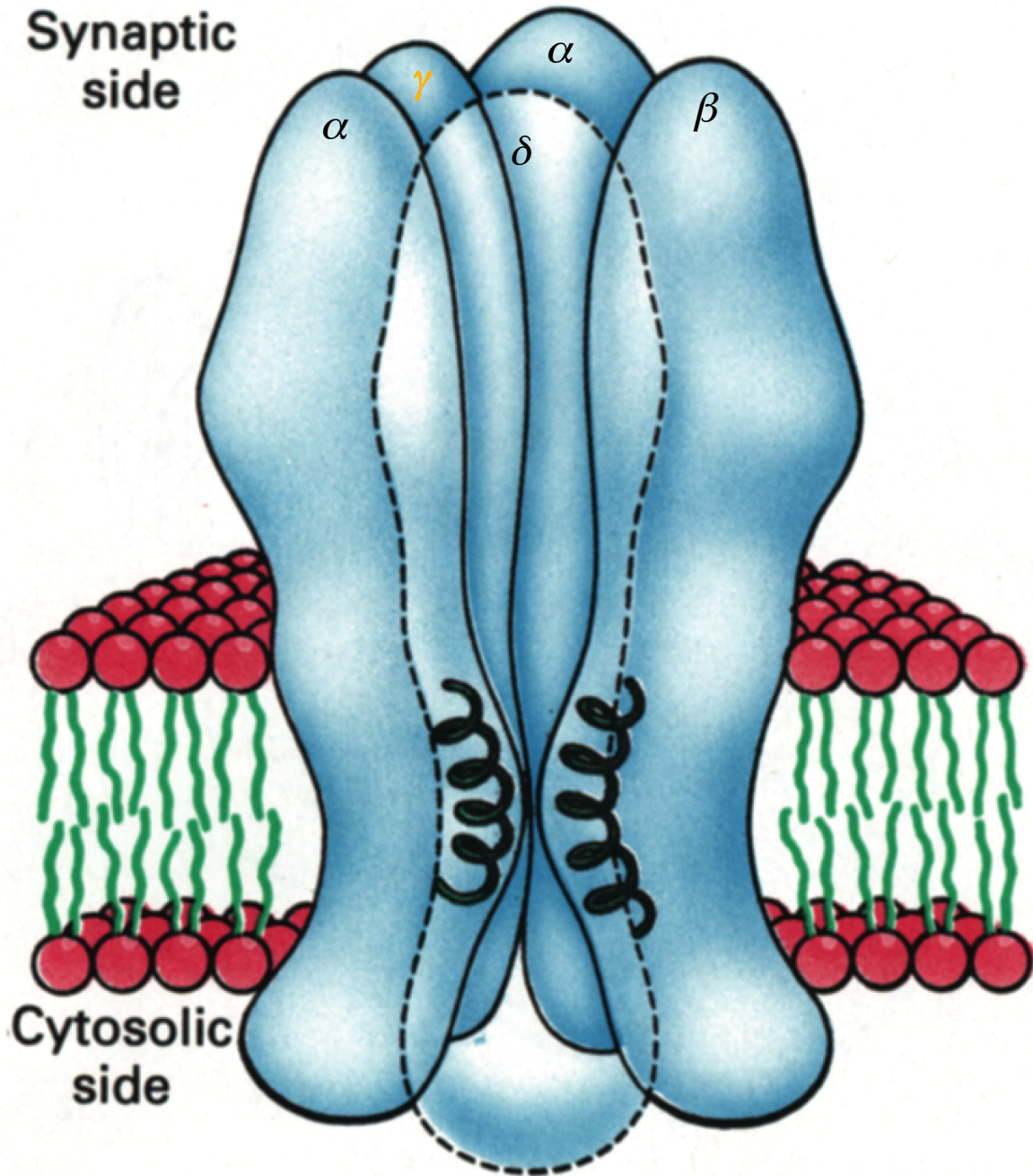


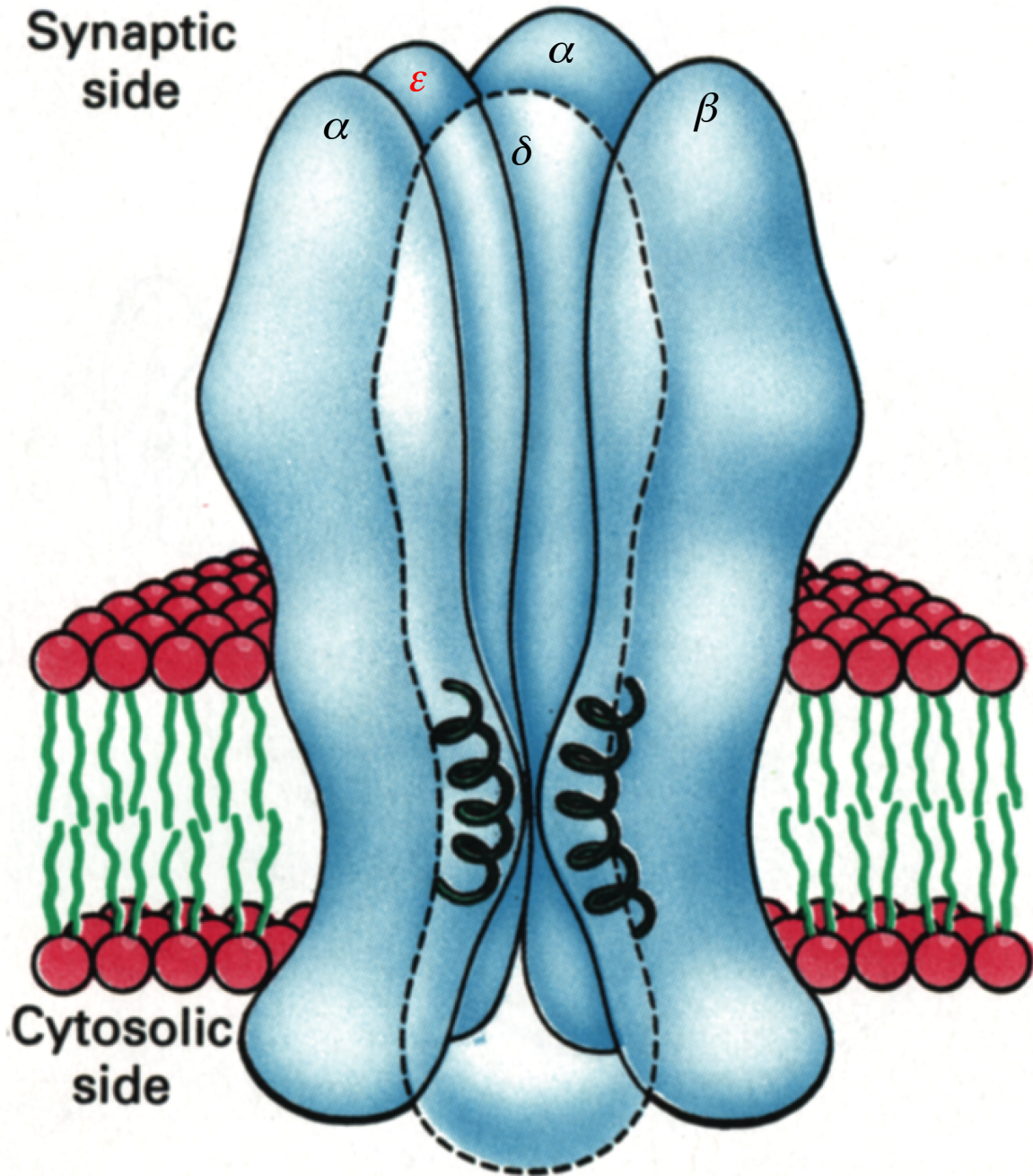
Timing of Formation of AChR Aggregates, Junctional Folds, & Accumulation of Myonuclei at Developing Neuromuscular Junctions in Hind Limbs of Rat



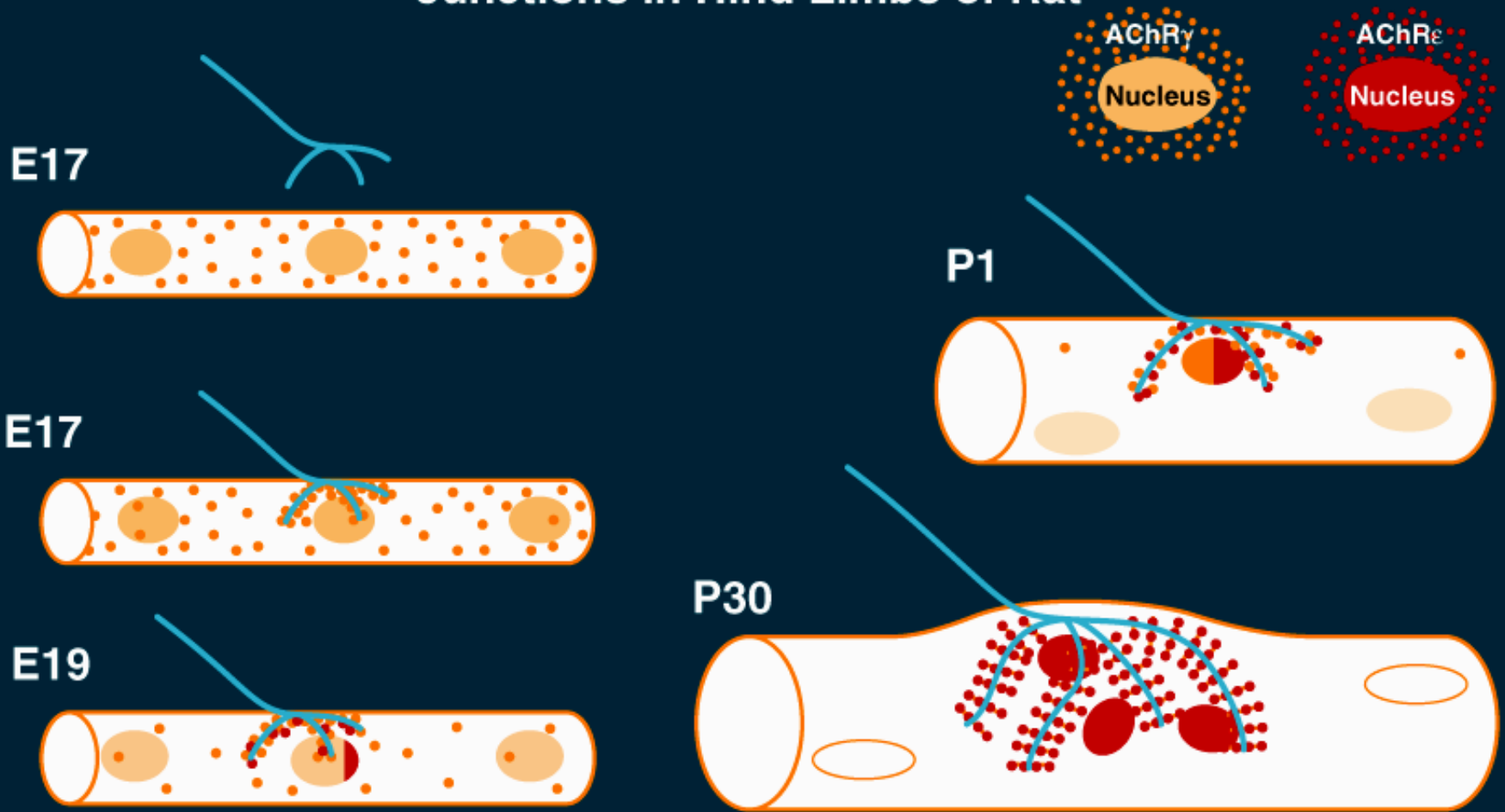
Immature AChR

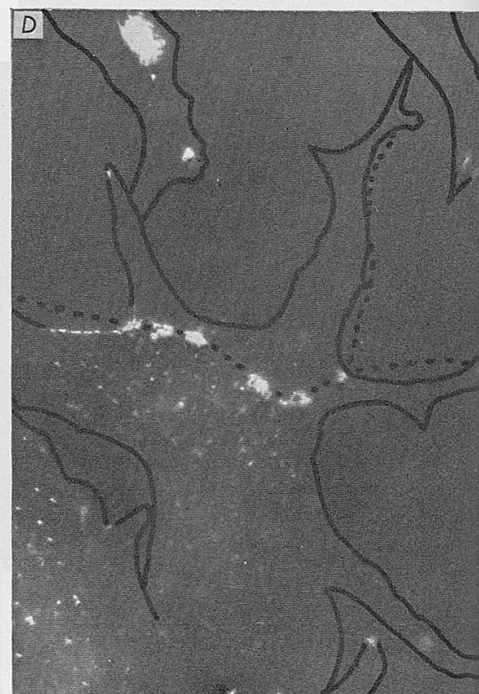
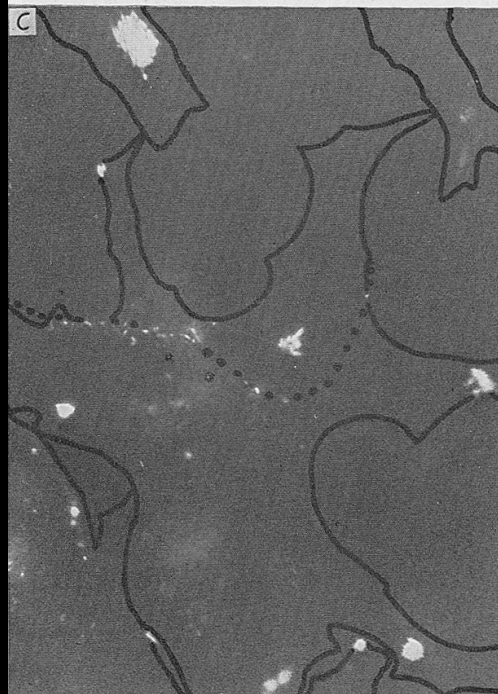


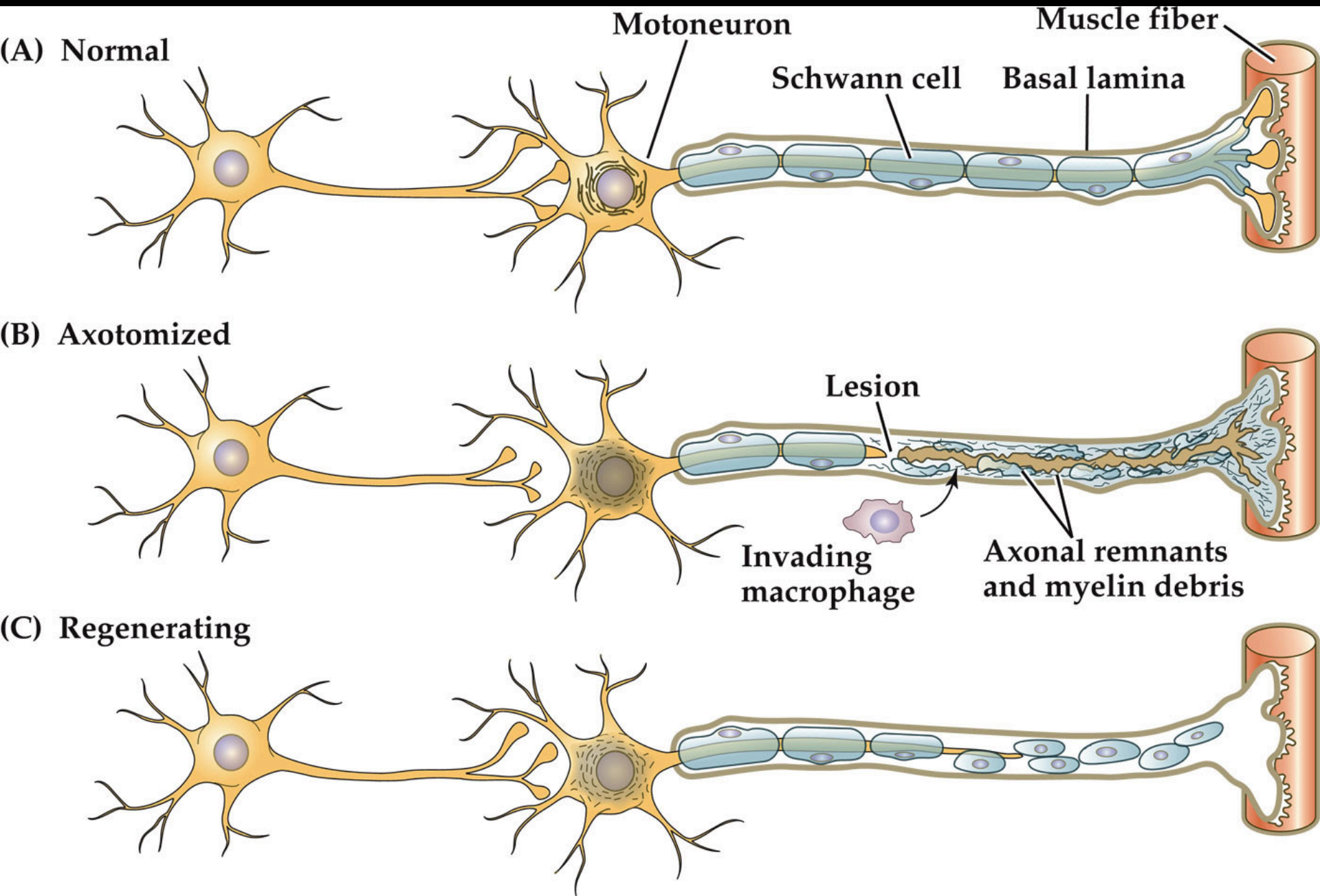
Mature AChR



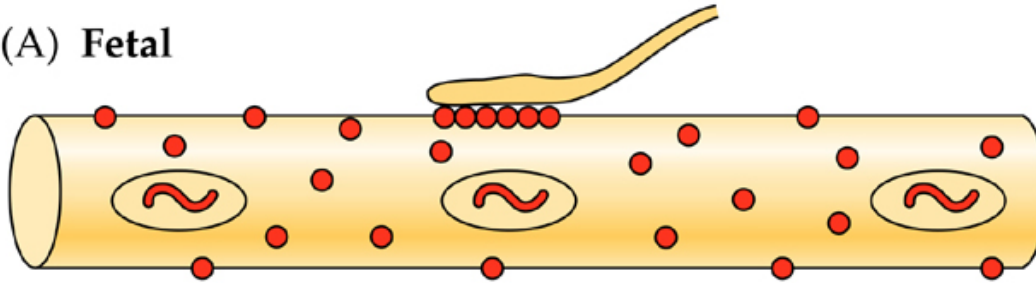
Timing of Formation of AChR Aggregates, Junctional Folds, & Accumulation of Myonuclei at Developing Neuromuscular Junctions in Hind Limbs of Rat



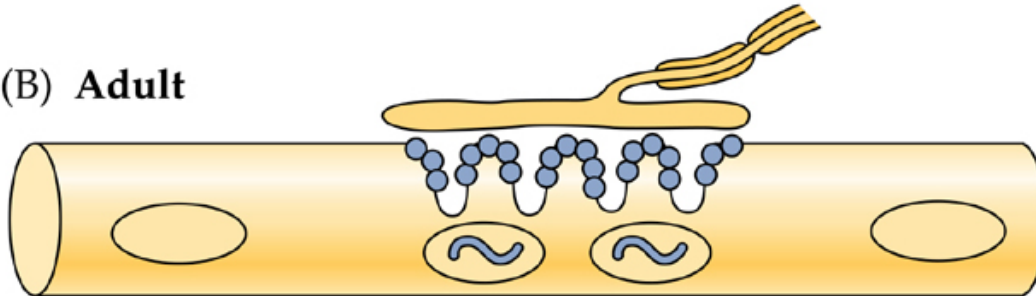




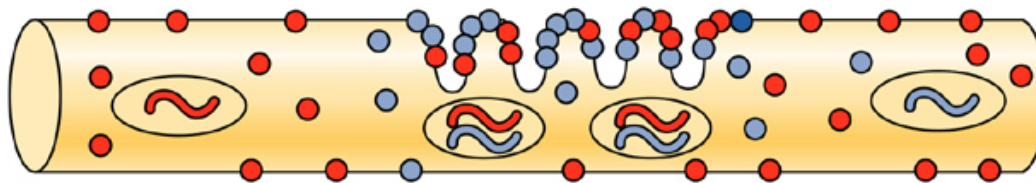
(A) Fetal



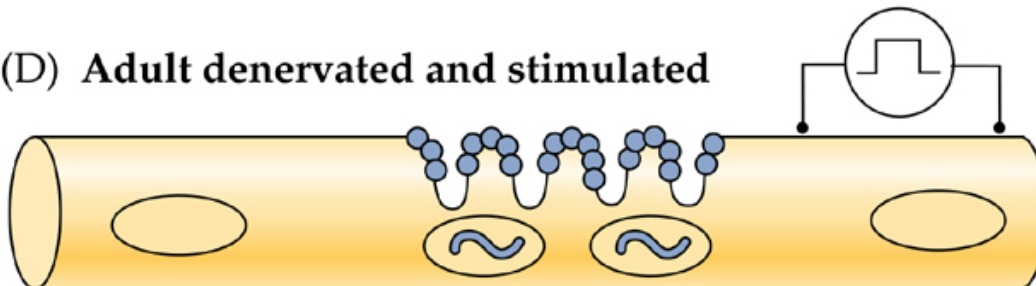
(B) Adult



(C) Adult denervated



(D) Adult denervated and stimulated



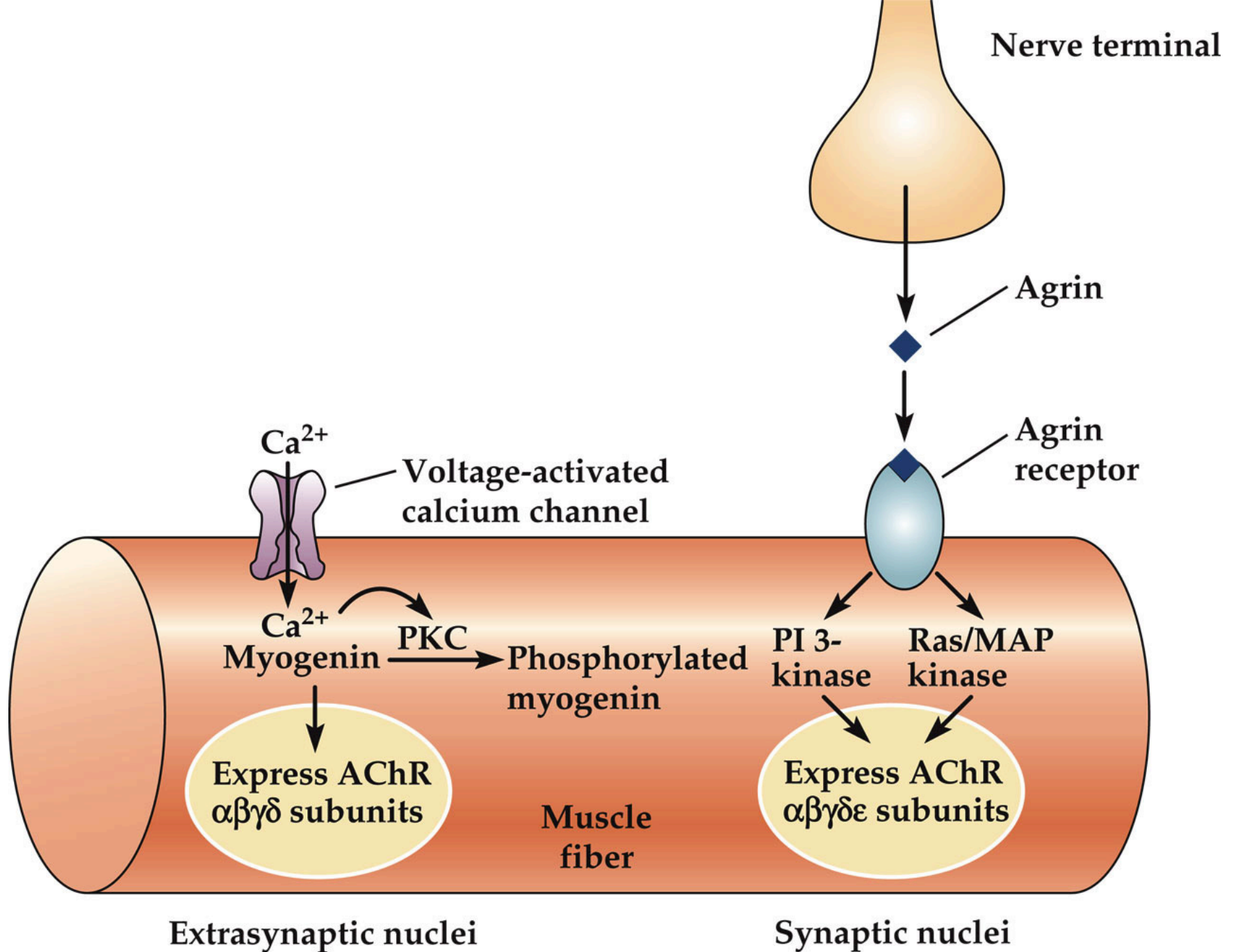
Key

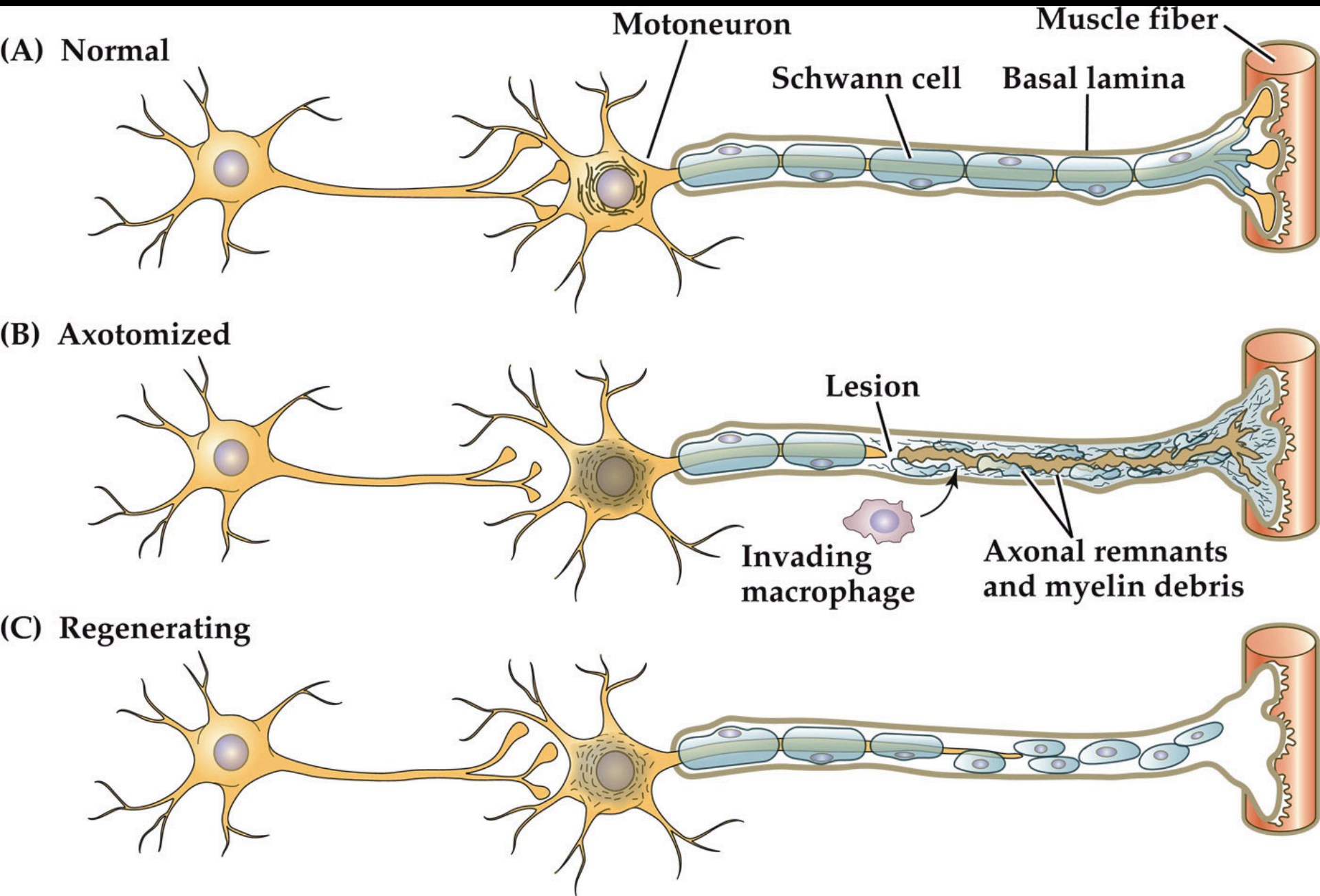
● Embryonic $\alpha_2\beta\gamma\delta$ AChR

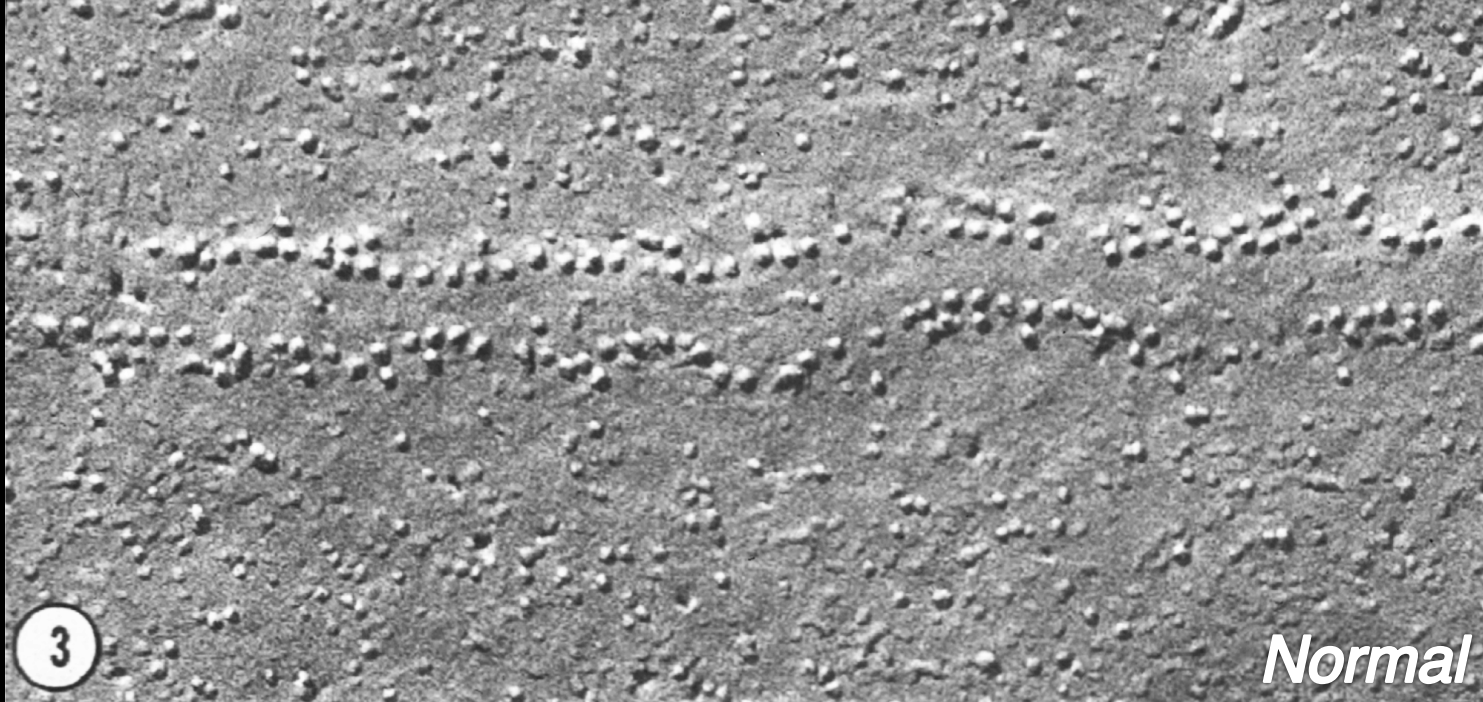
~ mRNA for $\alpha, \beta, \gamma, \delta$ subunits

● Adult $\alpha_2\beta\delta\epsilon$ AChR

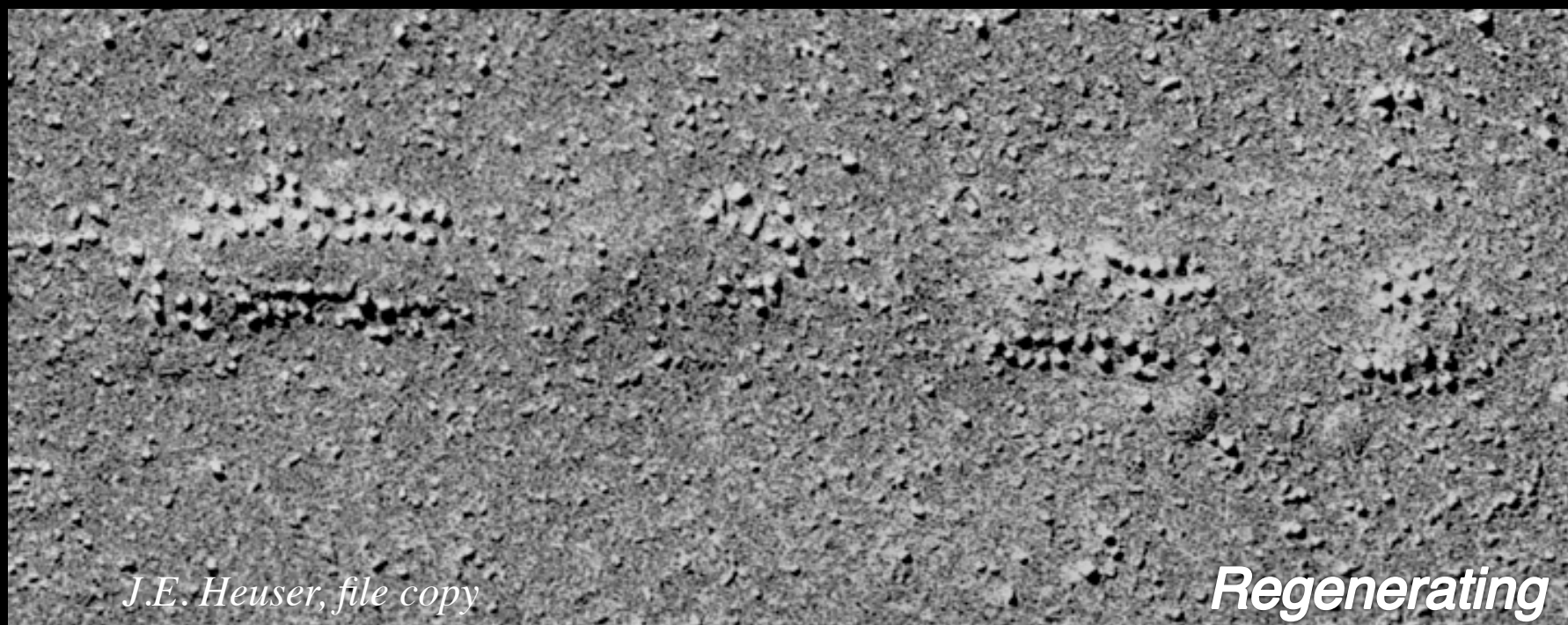
~ mRNA for $\alpha, \beta, \delta, \epsilon$ subunits





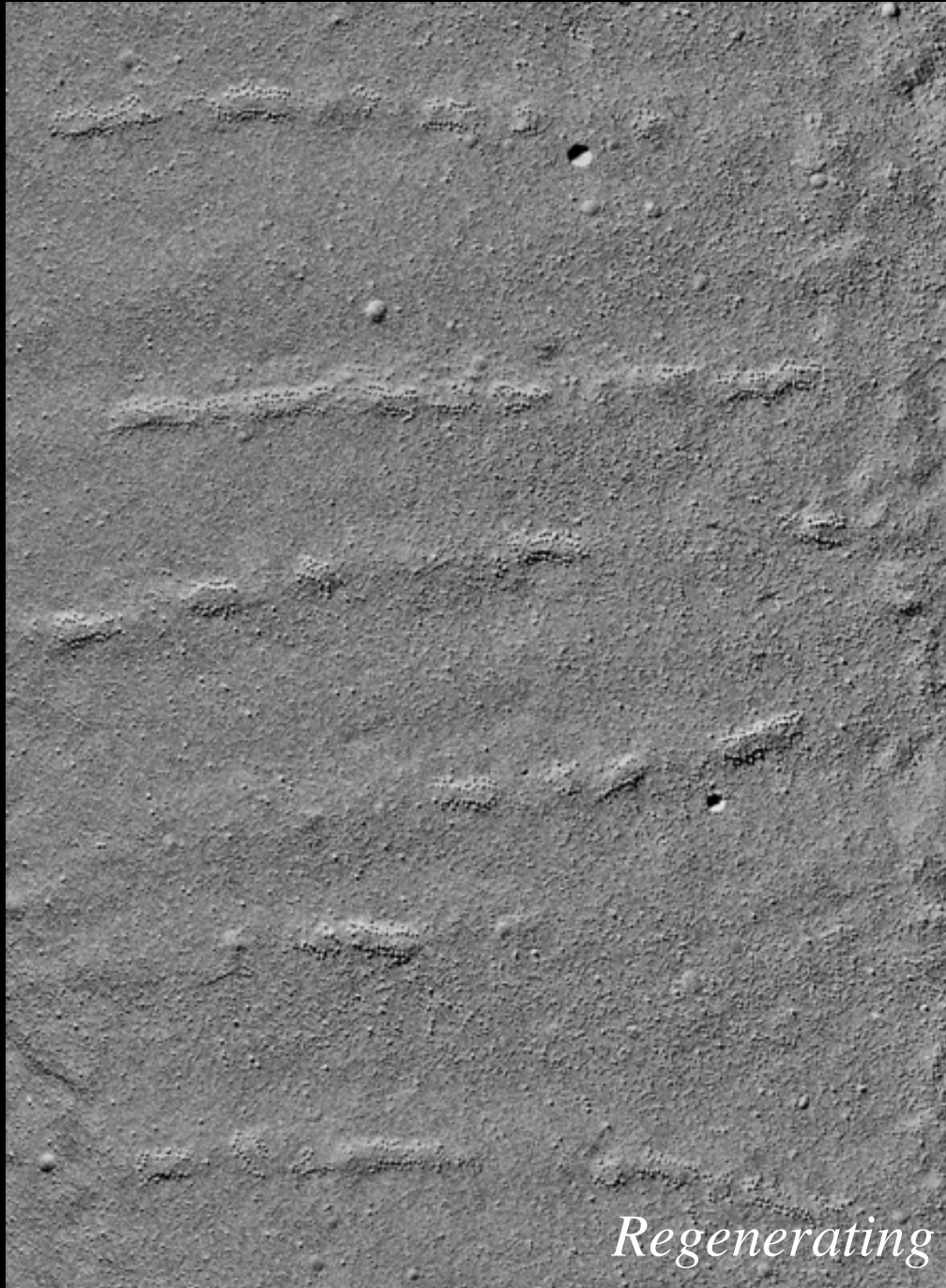


Normal

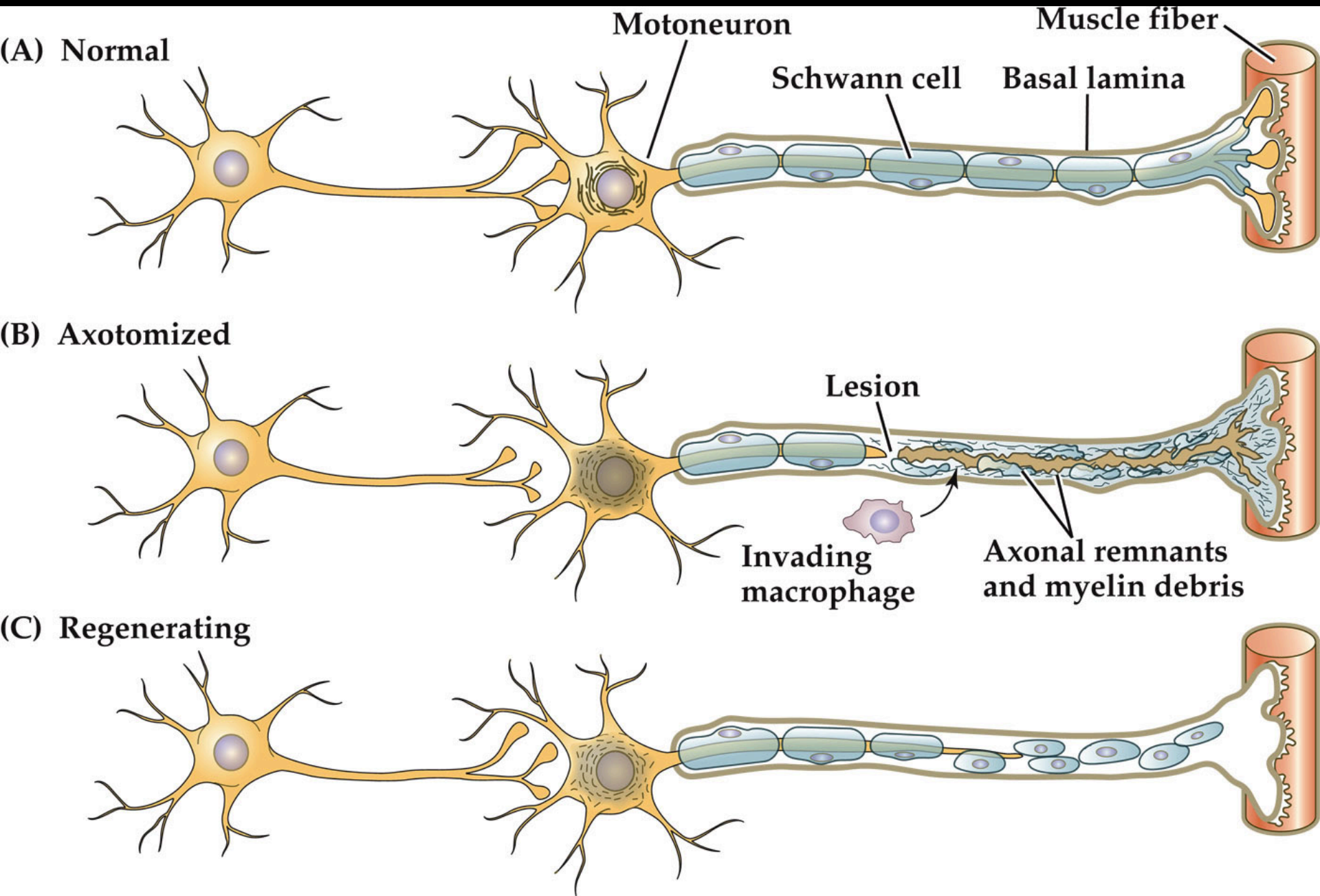


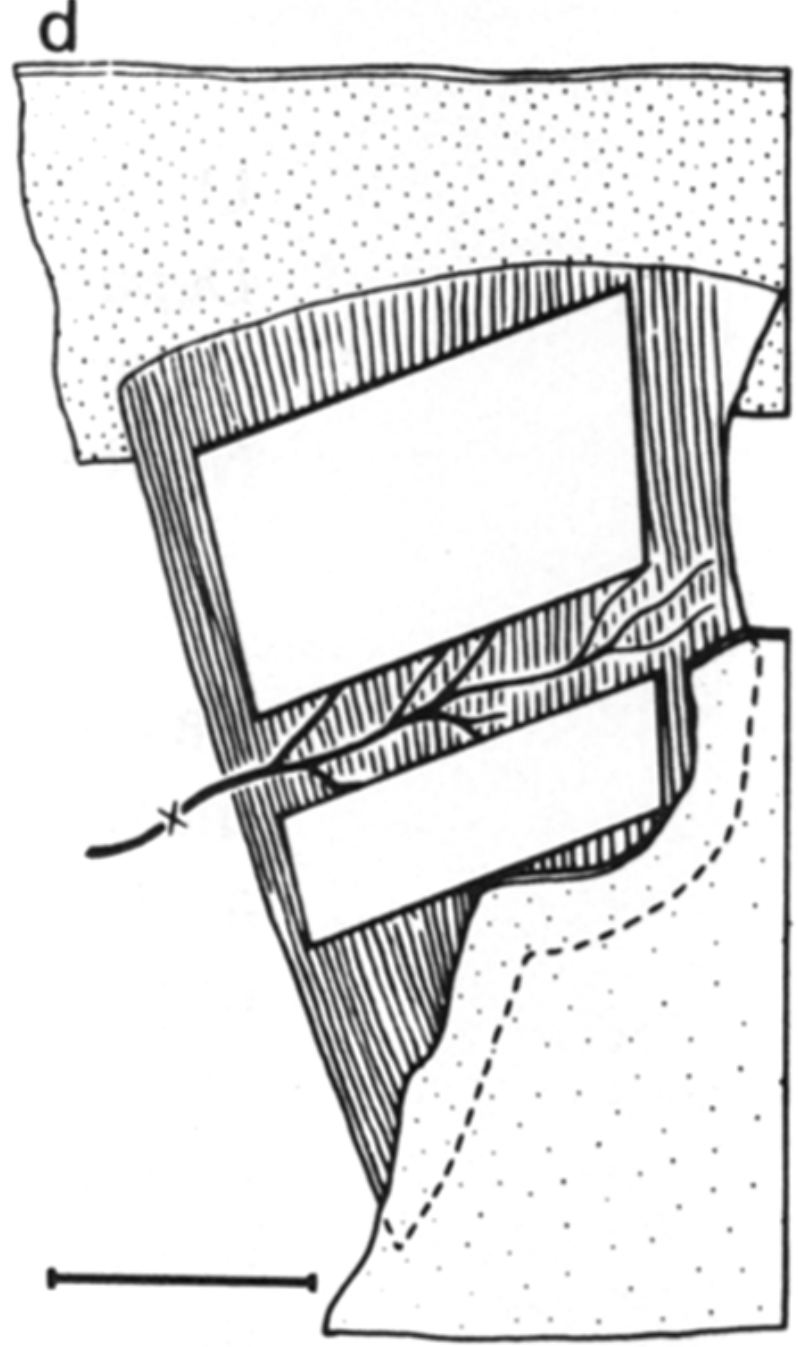
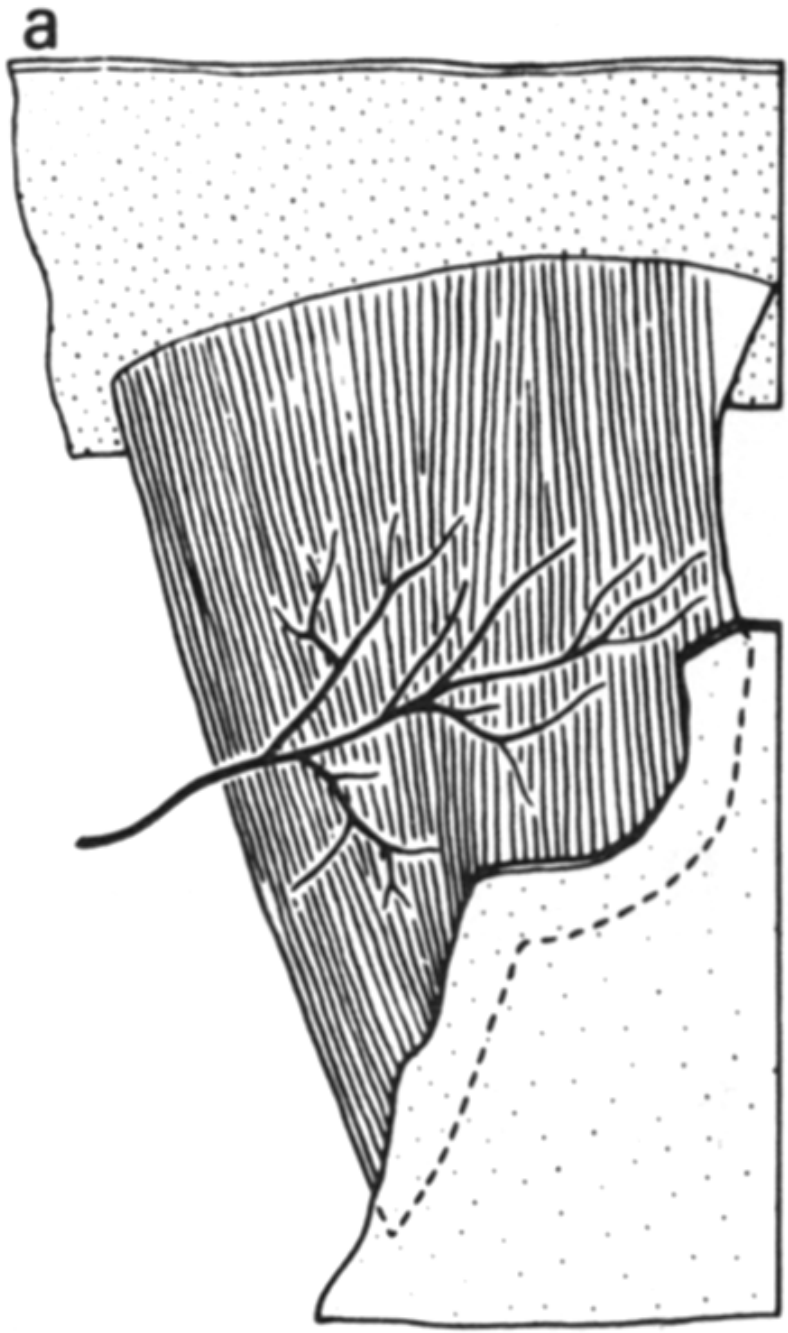
J.E. Heuser, file copy

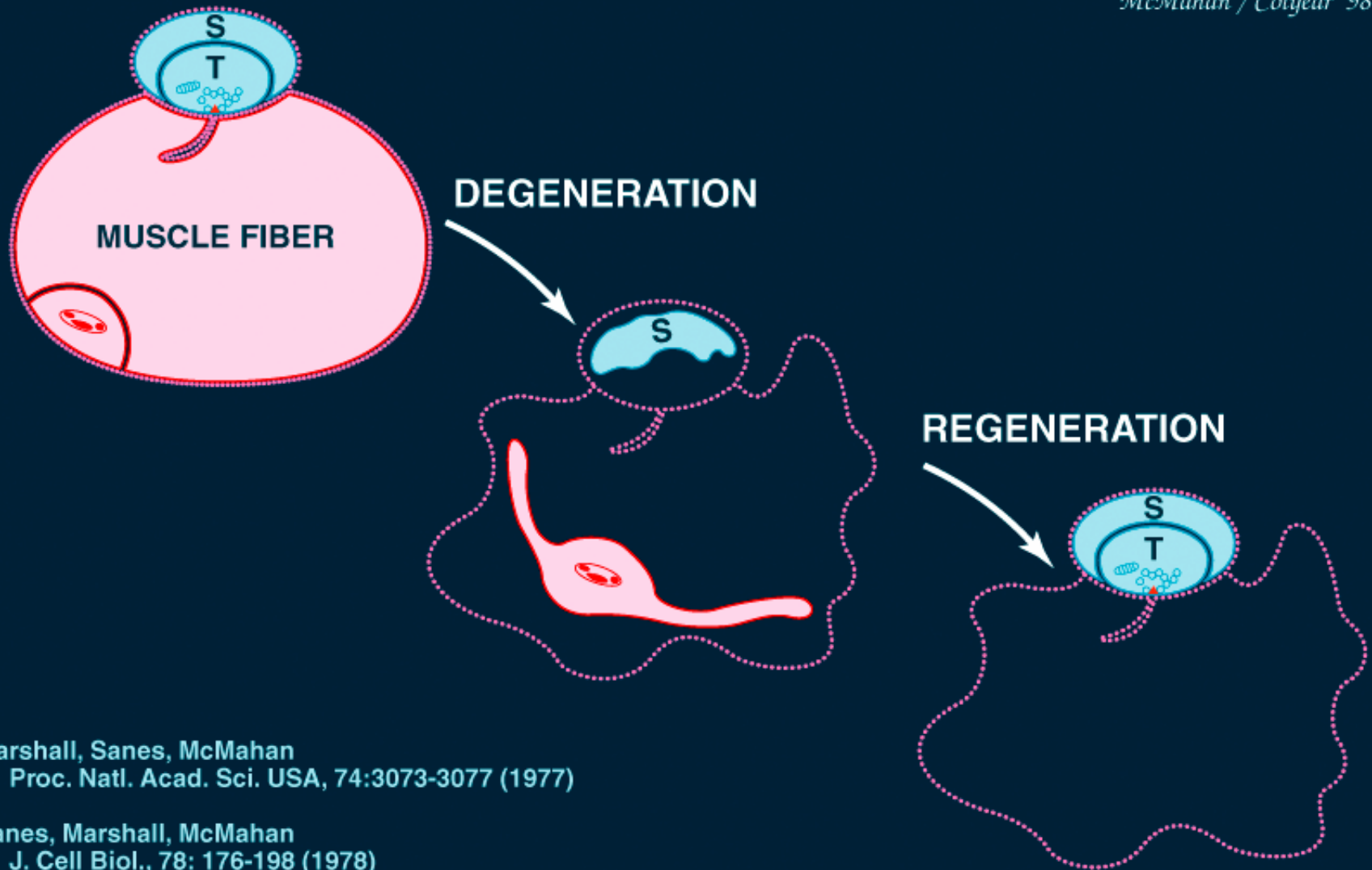
Regenerating



J.E. Heuser, file copy

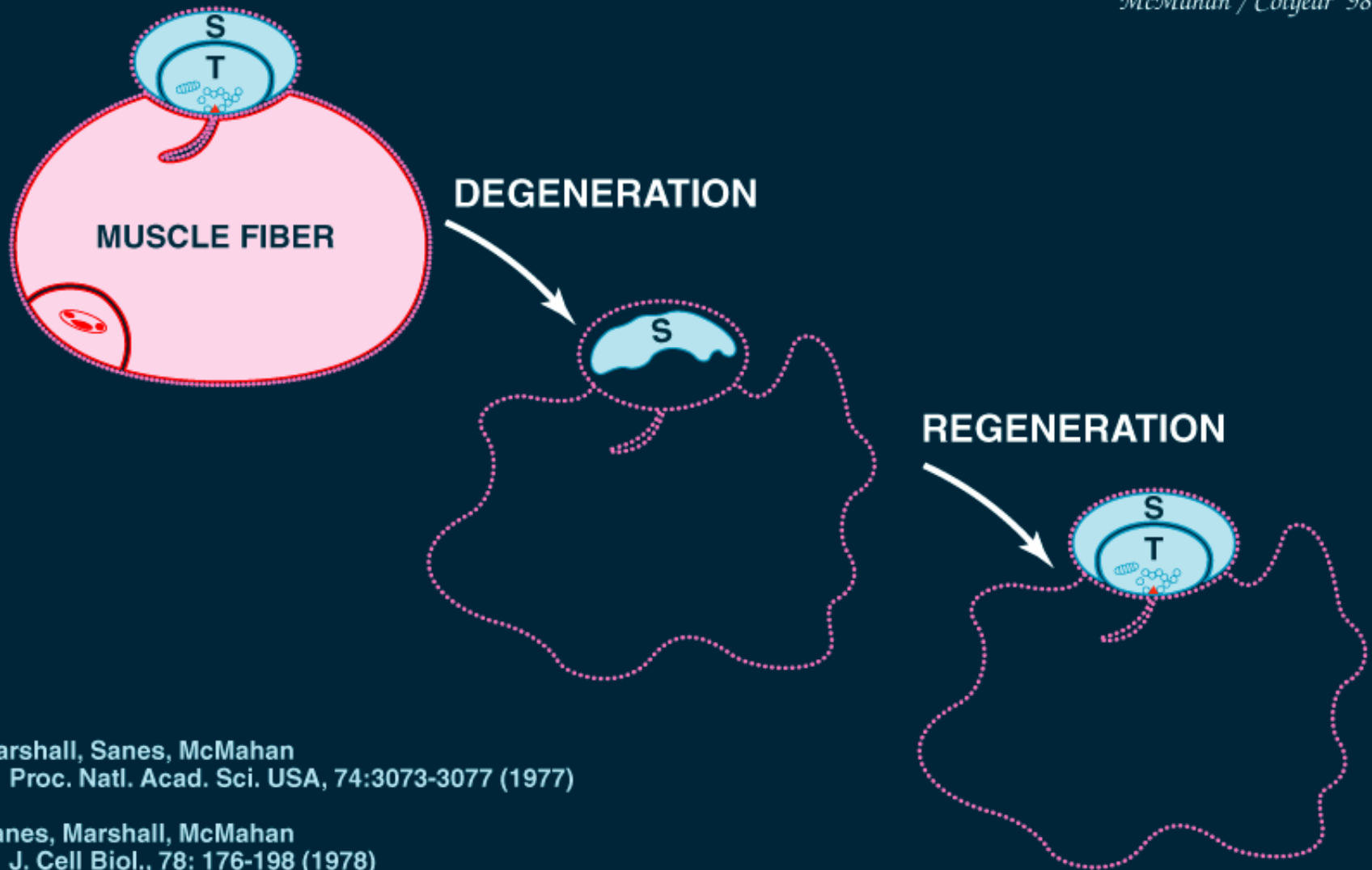






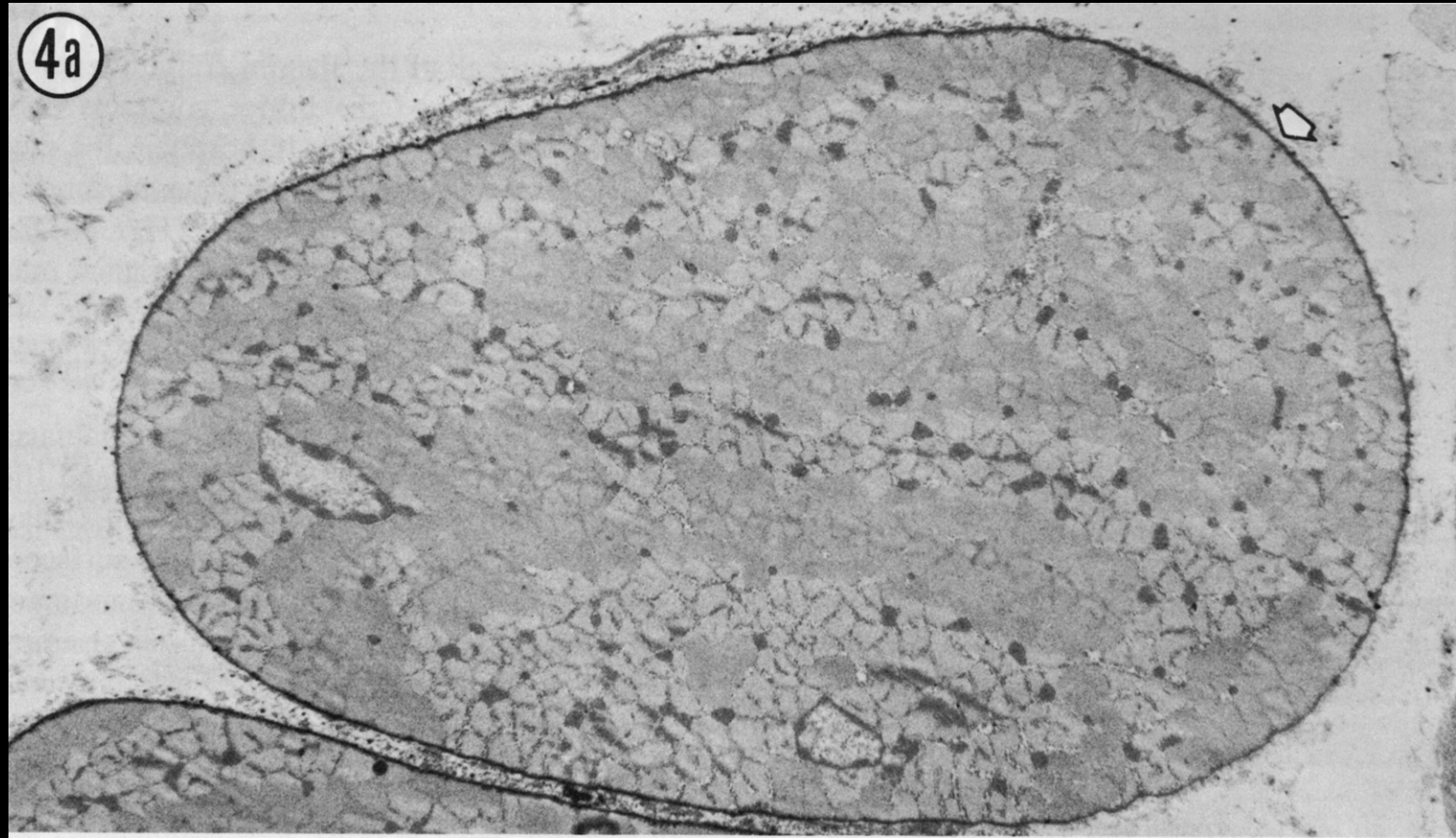
Marshall, Sanes, McMahan
Proc. Natl. Acad. Sci. USA, 74:3073-3077 (1977)

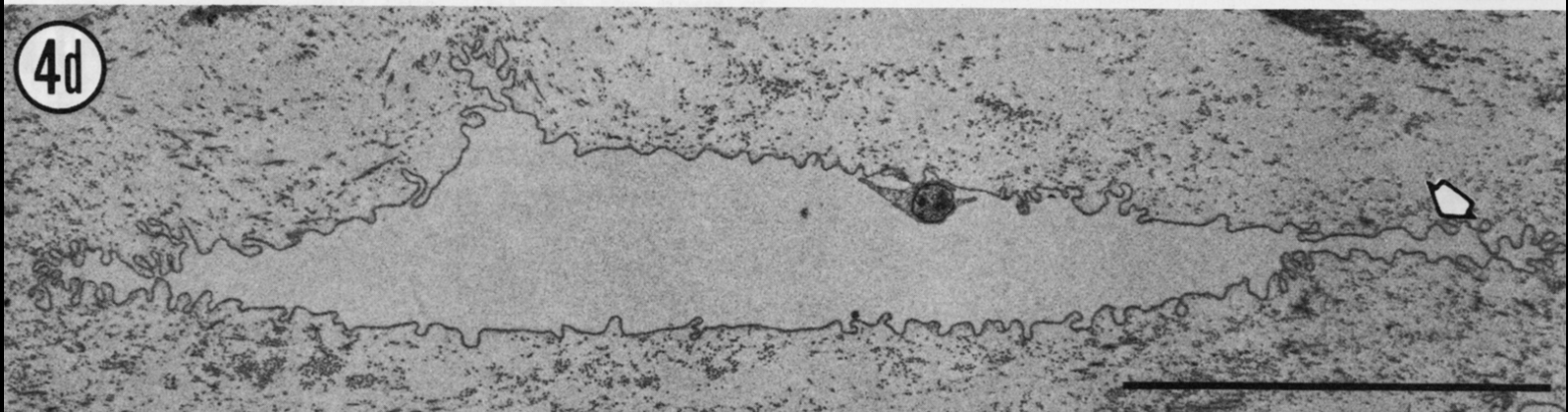
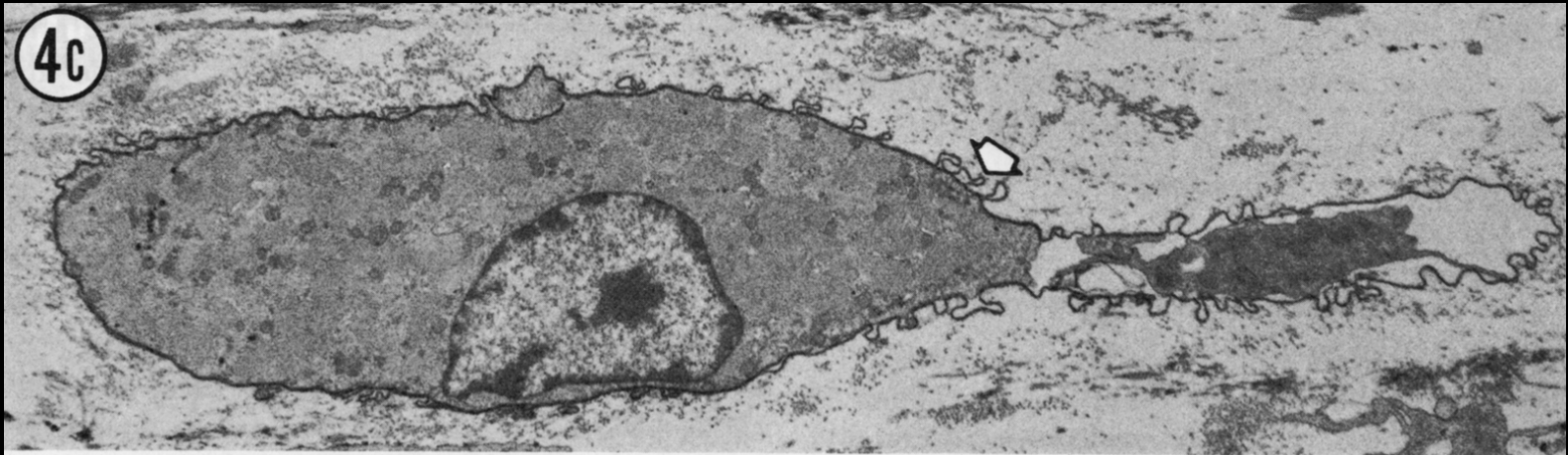
Sanes, Marshall, McMahan
J. Cell Biol., 78: 176-198 (1978)



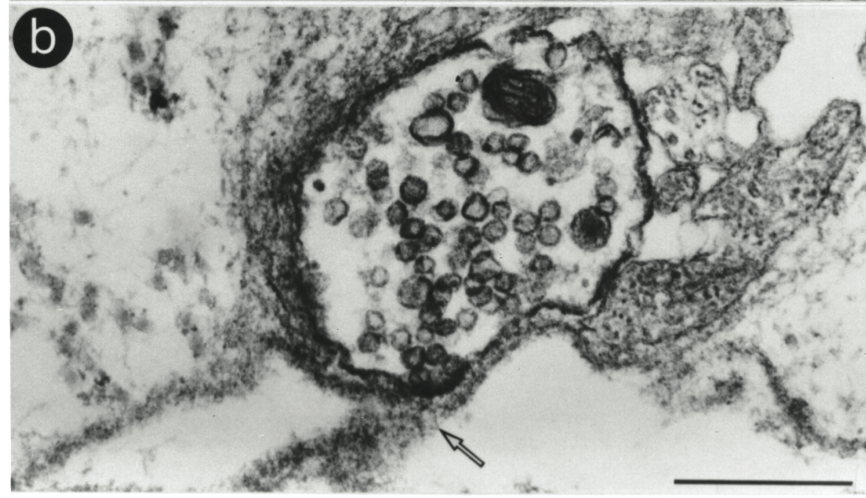
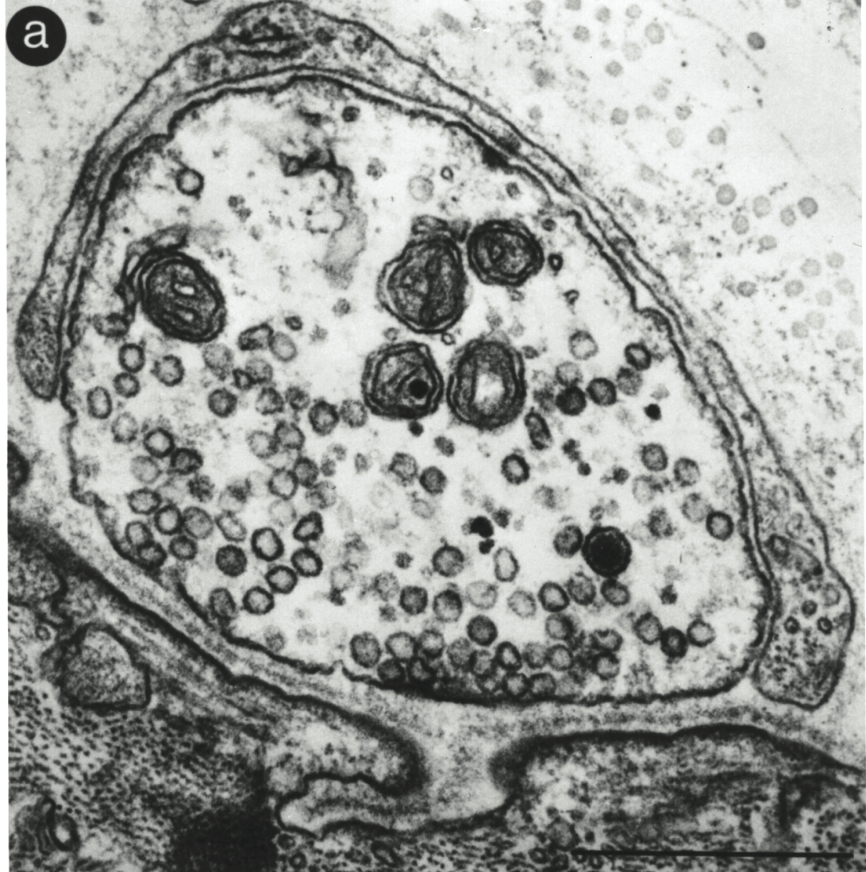
Marshall, Sanes, McMahan
Proc. Natl. Acad. Sci. USA, 74:3073-3077 (1977)

Sanes, Marshall, McMahan
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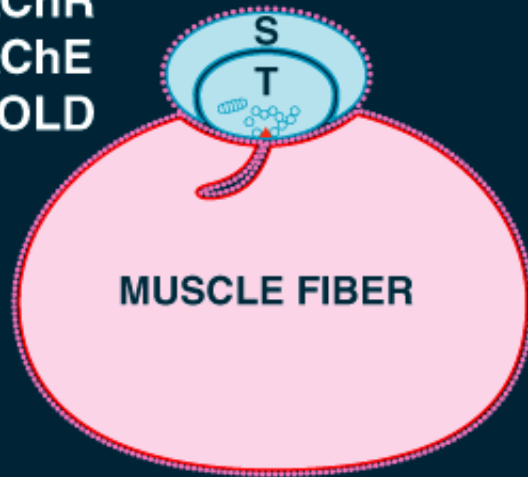




Sanes, Marshall, & McMahan. *J. Cell Biol.* 78:176-198, 1978.



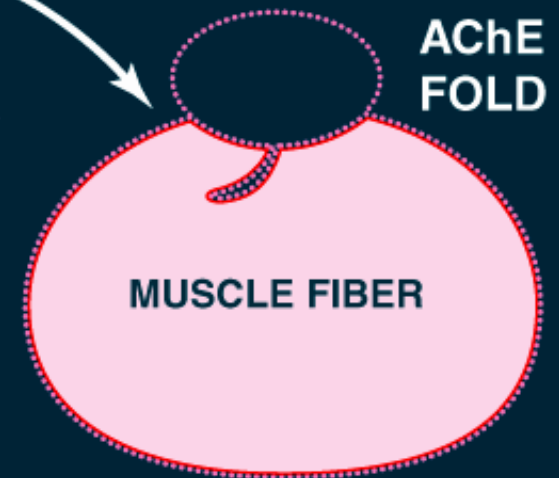
AChR
AChE
FOLD



DEGENERATION



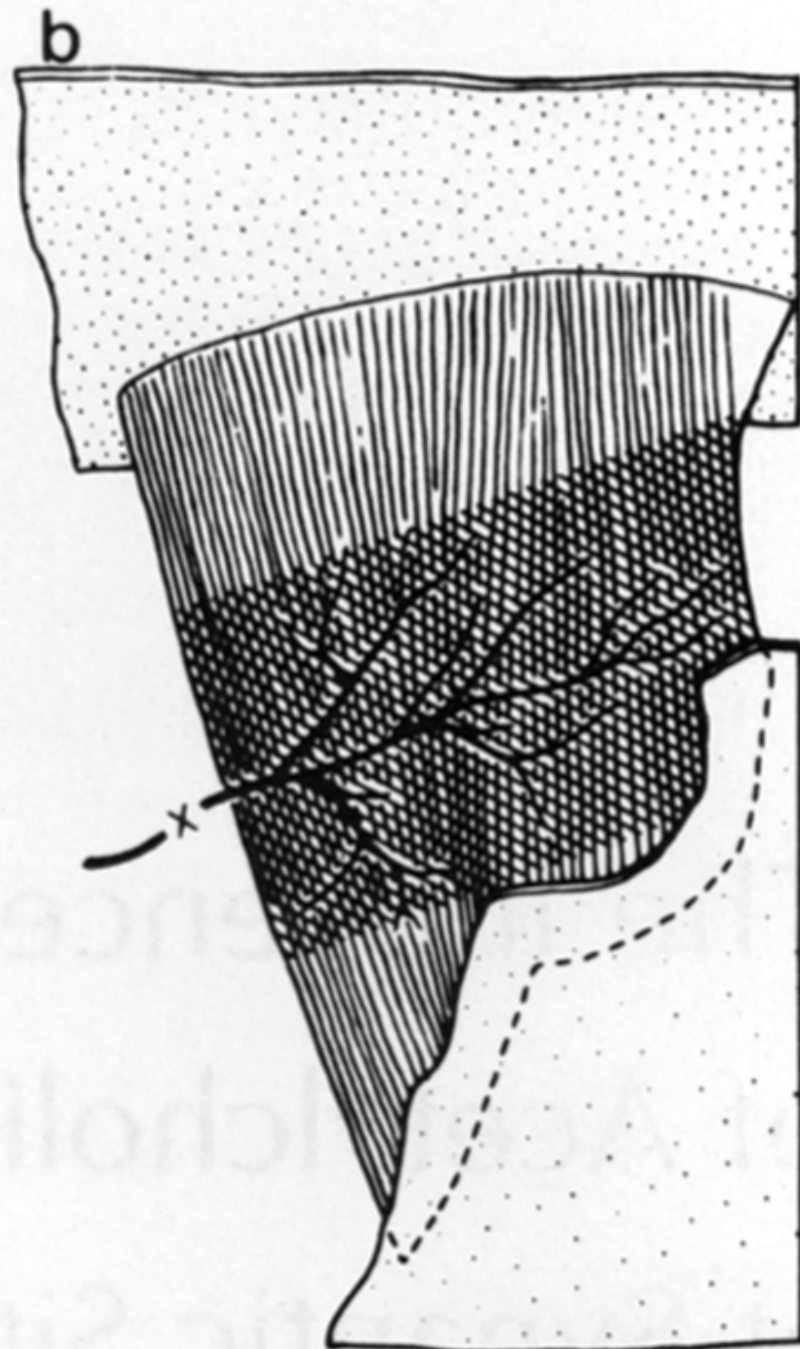
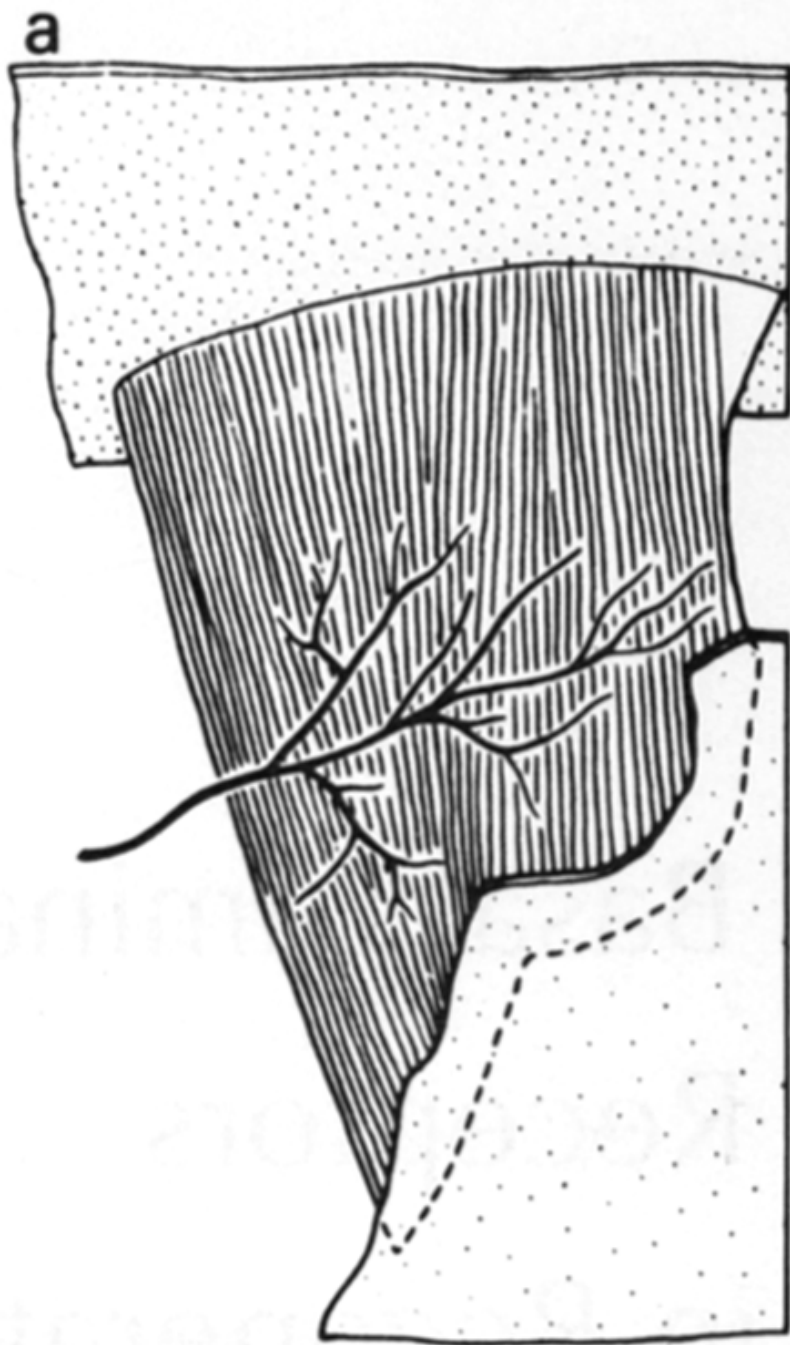
REGENERATION



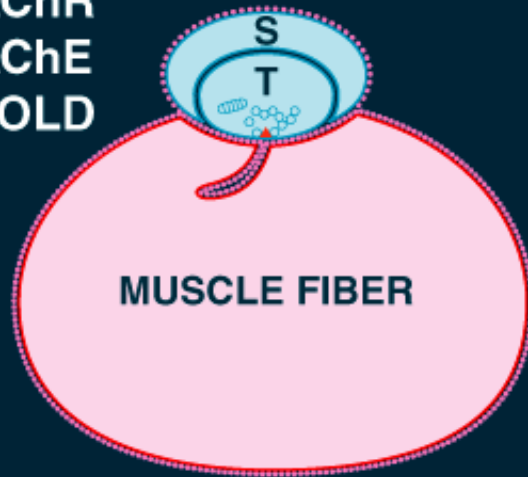
Burden, Sargent, McMahan
J. Cell Biol., 82:412-425 (1979)

McMahan and Slater
J. Cell Biol., 98: 1452-1473 (1984)

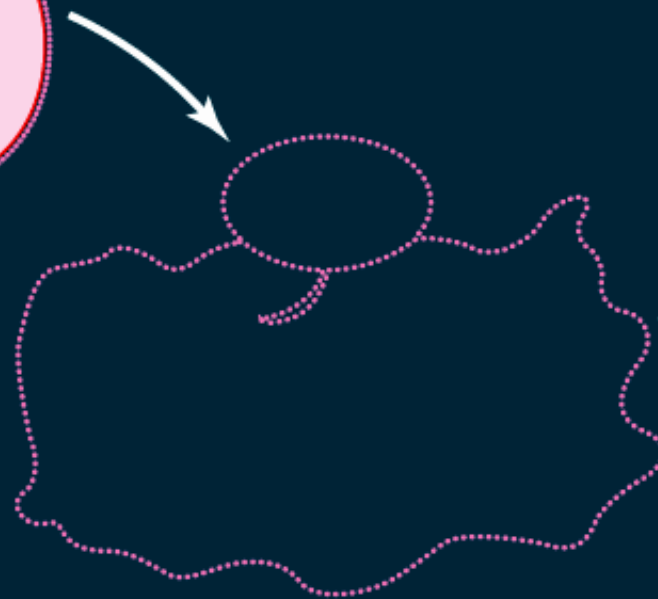
Anglister and McMahan
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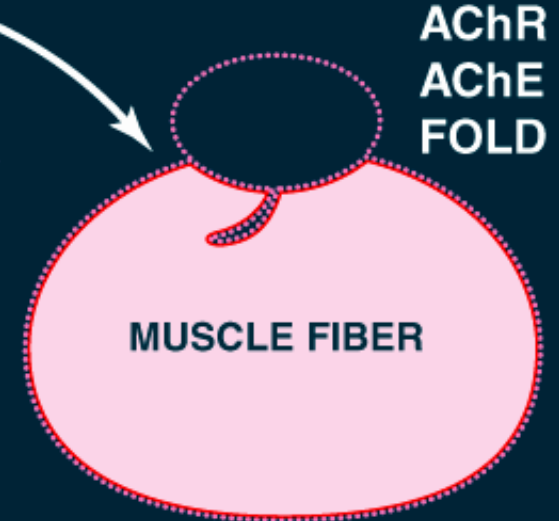
AChR
AChE
FOLD



DEGENERATION



REGENERATION

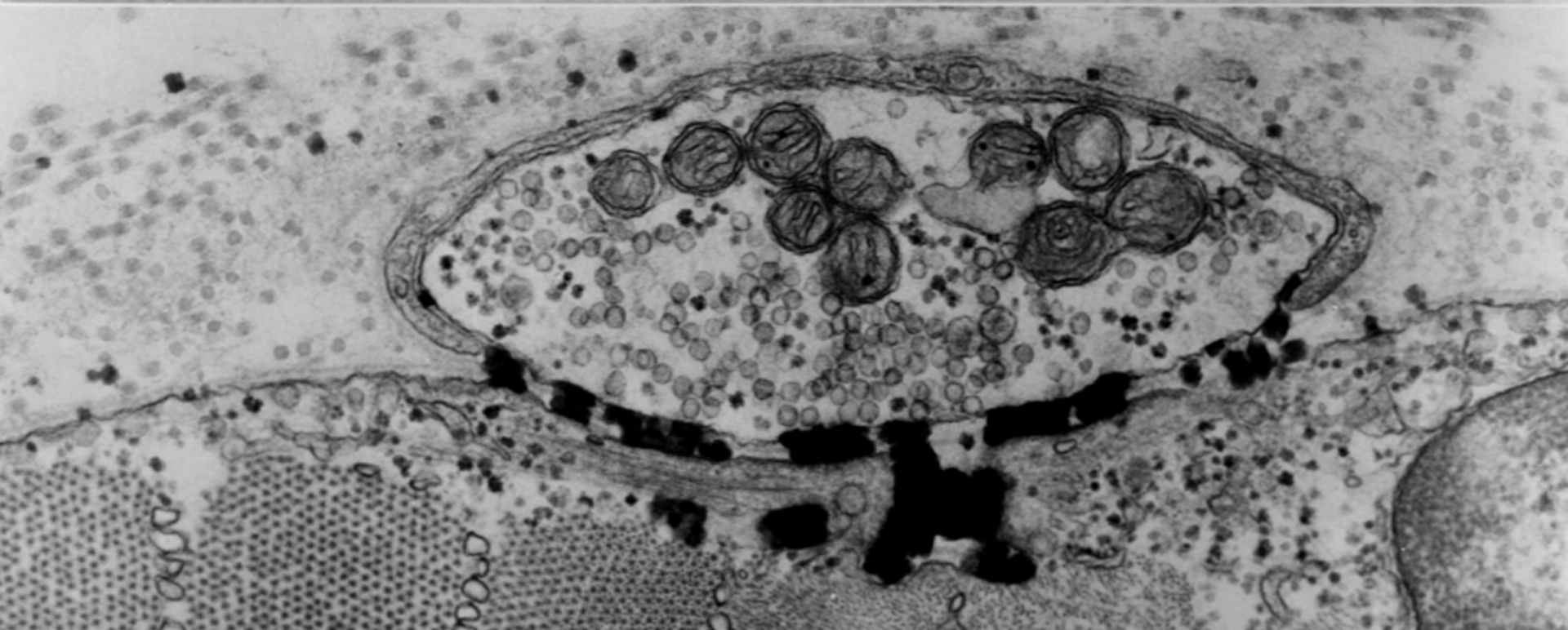
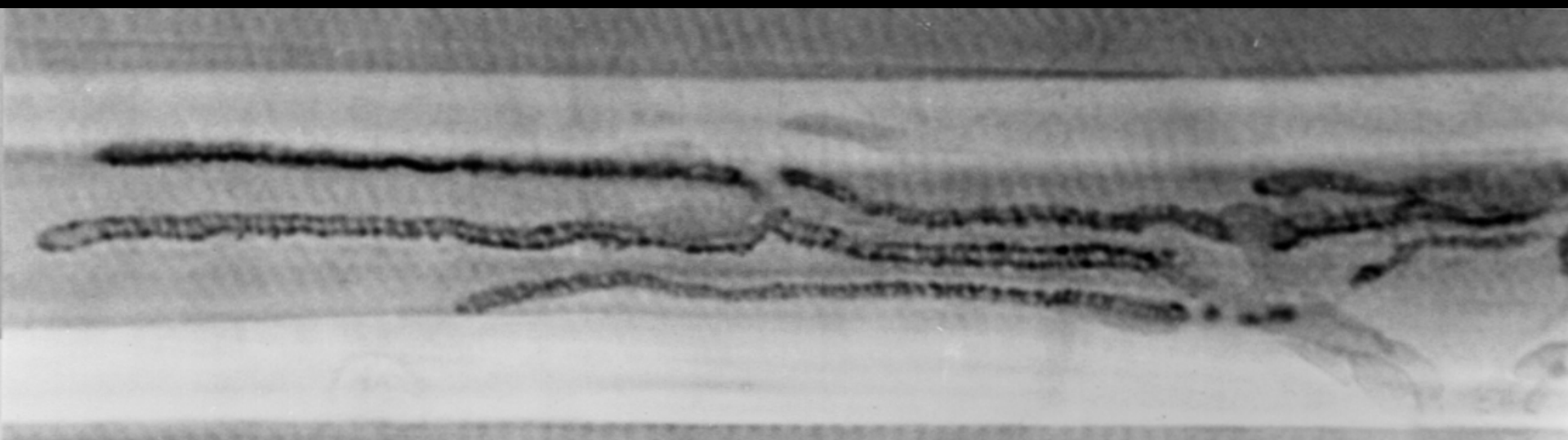


AChR
AChE
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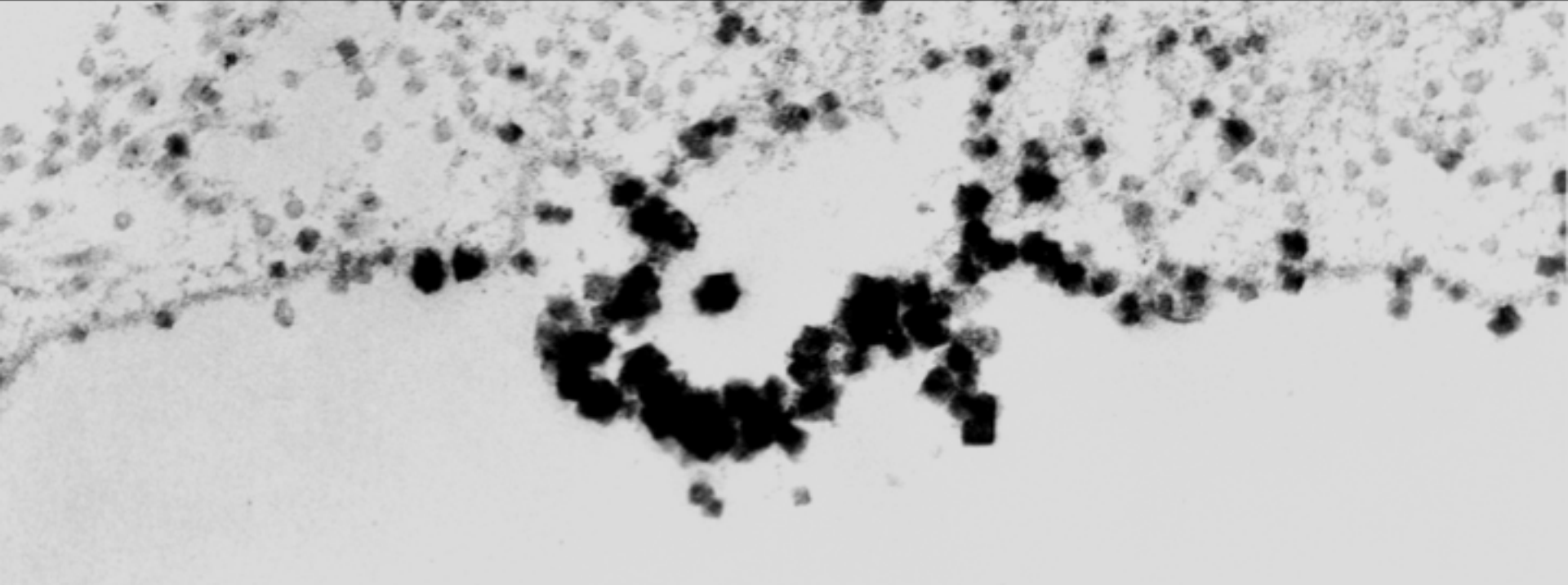
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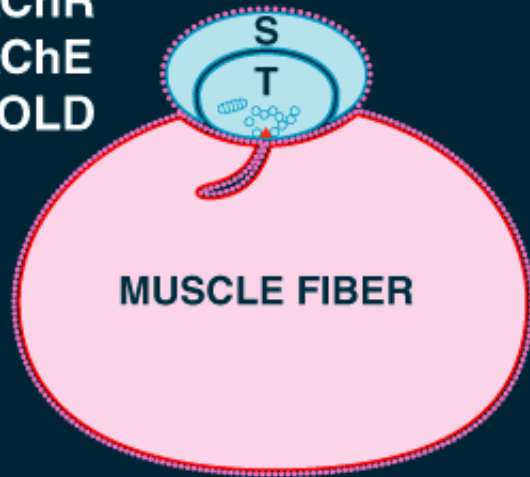
McMahan & Slater, J. Cell Biol. 98:1453-1473, 1984.



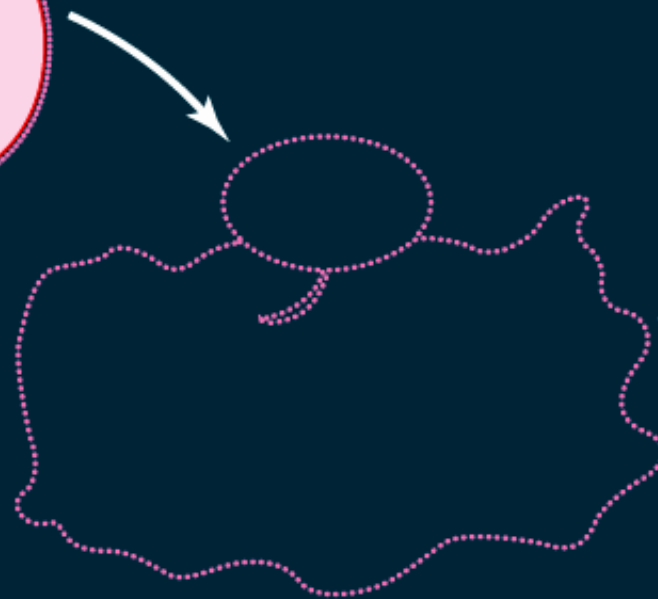
McMahan, Sanes & Marshall. Nature, 271:172-174, 1977.

Frog NMJ: AChE stain on muscle fiber basal lamina sheaths after degeneration of the muscle fibers.

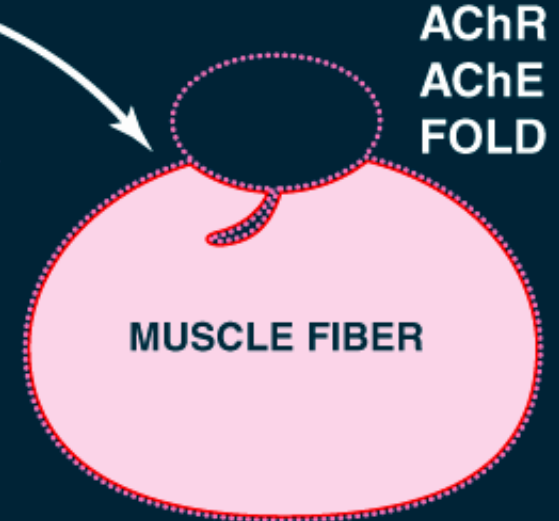
AChR
AChE
FOLD



DEGENERATION



REGENERATION



AChR
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FOLD

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