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**BIOGRAPHICAL SKETCH**

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NAME: Amy R. Nelson

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POSITION TITLE: Assistant Professor

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EDUCATI(U)5 (C3L ( )TjETEMC q448.54 590.5 129.38 19.68 reW\* n/P A MCID 13 BDC q448.54 590.5 129.38 19.68 re

2015 - 2017 Executive Board Member (Treasurer), Young Professionals Committee (YPC),

2016

2017

2017-present

pericyte coverage and found reduced cerebral blood flow, tissue oxygenation and metabolism and ultimately behavioral deficit and neurodegeneration. In more recent work, we found that channelrhodopsin excitation causes pericytes to contract, constrict the underlying capillary and reduce red blood cell flow.

1. Nelson AR, Sagare MA, Wang Y, Kisler K, Zhao Z, Zlokovic BV. 2020. [Channelrhodopsin Excitation](#)

