References Relevant to the BPN Project

1. Al-Ali H, Schürer SC, Lemmon VP, Bixby JL. Chemical Interrogation of the Neuronal Kinome Using a Primary Cell-Based Screening Assay. ACS Chem Biol. 2013 Mar 19. PMID: 23480631

2. Al-Ali H, Lee DH, Danzi MC, Nassif H, Gautam P, Wennerberg K, Zuercher B, Drewry DH, Lee JK, Lemmon VP, Bixby JL (2015) Rational Polypharmacology: Systematically Identifying and Engaging Multiple Drug Targets to Promote Axon Growth. ACS Chemical Biology 10:1939–1951

3. Al-Ali H, Beckerman SR, Bixby JL, Lemmon VP. In vitro models of axon regeneration. Exp Neurol. 2017 Jan;287(Pt 3):423-434. doi: 10.1016/j.expneurol.2016.01.020. Review. PMID: 26826447

4. Al-Ali H, Ding Y, Slepak T, Wu W, Sun Y, Martinez Y, Xu XM, Lemmon VP, Bixby JL. The mTOR substrate S6 Kinase 1 (S6K1) is a negative regulator of axon regeneration and a potential drug target for Central Nervous System injury. J Neurosci. 2017 Jun 16. pii: 0931-17. doi: 10.1523/JNEUROSCI.0931-17.2017. PMID: 28626016

5. Mah KM, Wu W, Al-Ali H, Sun Y, Han Q, Ding Y, Muñoz M, Xu X-M, Lemmon VP, Bixby JL (2022) Compounds co-targeting kinases in axon regulatory pathways promote regeneration and behavioral recovery after spinal cord injury in mice. Experimental Neurology 355:114117.

6. Lowell JA, O'Neill N, Danzi MC, Al-Ali H, Bixby JL, Lemmon VP (2021). Phenotypic Screening Following Transcriptomic Deconvolution to Identify Transcription Factors Mediating Axon Growth Induced by a Kinase Inhibitor. SLAS Discovery, 26(10), 1337–1354