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Mohamed, W.M.Y.^a, Kwakowsky, A.^b

Editorial: Neuroinflammation and neurodegeneration from bench to bedside
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^a Department of Basic Medical Science, Kulliyyah of Medicine, International Islamic University Malaysia, Pahang, Kuantan, Malaysia

^b Pharmacology and Therapeutics, School of Medicine, Galway Neuroscience Centre, University of Galway, Galway, Ireland

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Chemicals/CAS

acetylcholinesterase, 9000-81-1; alpha synuclein, 154040-18-3; amyloid, 11061-24-8; brain derived neurotrophic factor, 218441-99-7; choline acetyltransferase, 9012-78-6; superoxide dismutase, 37294-21-6, 9016-01-7, 9054-89-1

References

- Pekny, M., Pekna, M., Messing, A., Steinhäuser, C., Lee, J.M., Parpura, V.

Astrocytes: a central element in neurological diseases

(2016) *Acta Neuropathol*, 131, pp. 323-345.
26671410

- Liddelow, S.A., Guttenplan, K.A., Clarke, L.E., Bennett, F.C., Bohlen, C.J., Schirmer, L.

Neurotoxic reactive astrocytes are induced by activated microglia

(2017) *Nature*, 541, pp. 481-487.
28099414

- Salter, M.W., Stevens, B.

Microglia emerge as central players in brain disease

(2017) *Nat Med*, 23, pp. 1018-1027.
28886007

- Catenaccio, A., Llavero Hurtado, M., Diaz, P., Lamont, D.J., Wishart, T.M., Court, F.A.

Molecular analysis of axonal-intrinsic and glial-associated co-regulation of axon degeneration

(2017) *Cell Death Dis*, 8, p. e3166.
29120410

- Fedorow, H., Tribl, F., Halliday, G., Gerlach, M., Riederer, P., Double, K.L.

Neuromelanin in human dopamine neurons: comparison with peripheral melanins and relevance to Parkinson's disease

(2005) *Prog Neurobiol*, 75, p. 109e124.
15784302

- Jackson, J., Jambrina, E., Li, J., Marston, H., Menzies, F., Phillips, K.
Targeting the synapse in Alzheimer's disease
(2019) *Front Neurosci*, 13, p. 735.
- Andreone, B.J., Larhammar, M., Lewcock, J.W.
Cell death and neurodegeneration
(2020) *Cold Spring Harb Perspect Biol*, 12, p. a036434.

Correspondence Address

Mohamed W.M.Y.; Department of Basic Medical Science, Pahang, Malaysia; email: wmy107@gmail.com

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