

MRICD OPEN LITERATURE PUBLICATIONS AND BOOK CHAPTERS (Calendar Year)

2020:

Aroniadou-Anderjaska, V., Figueiredo, T.H., Apland, James P., Braga, M.F. Targeting the glutamatergic system to counteract organophosphate poisoning: A novel therapeutic strategy. *Neurobiology of Disease*, 133, 104406, 2020.

Barker, Bryan S., Spampinato, Jay, McCarren, Hilary S., Smolik, Melissa, Jackson, Cecilia E., Hornung, Eden N., Yeung, David T., Dudek, F. Edward, McDonough, John H. Screening for efficacious anticonvulsants and neuroprotectants in delayed treatment models of organophosphate-induced status epilepticus. *Neuroscience*, 425, 280-300, 2020.

Betapudi, Venkaiah, Goswami, Reena, Silayeva, Liliya, Doctor, Deborah M., Chilukuri, Nageswararao. Gene therapy delivering a paraoxonase 1 variant offers long-term prophylactic protection against nerve agents in mice. *Science Translational Medicine*, 12(527), eaay0356, 2020.

Bortey-Sam, N., Jackson, R., Gyamfi, O.A., Bhadra, S., Freeman, C., Mahon, S.B., Brenner, M., Rockwood, Gary A., Logue, Brian A. Diagnosis of cyanide poisoning using an automated, field-portable sensor for rapid analysis of blood cyanide concentrations. *Analytica Chimica Acta*, 1098, 125-132, 2020.

Causey, Robert D., Koenig, Jeffery A., Autrey, Jeffery J., McGowan, Kevin J., Gomez, Amber M., Lehman, John G. III, Ruff, Albert L. Development of mouse models for the study of chloropicrin and hydrogen fluoride ocular injury. *Annals of the New York Academy of Sciences*, 2020 Jan 22. doi: 10.1111/nyas.14297. [Epub ahead of print]

Cerasoli, Douglas M., Armstrong, Stuart J., Reeves, Tony E., Hodgins, Sean M., Kasten, Shane A., Lee-Stubbs, Robyn B., Cadieux, C. Linn, Otto, Tamara C., Capacio, Benedict R., Lenz, David E. Butyrylcholinesterase, a stereospecific in vivo bioscavenger against nerve agent intoxication. *Biochemical Pharmacology*, 171, 113670, 2020.

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Kundrick, Erica, Marrero-Rosada, Brenda, Stone, Michael, Schultz, Caroline, Walker, Katie, Lee-Stubbs, Robyn, de Araujo Furtado, Marcio, Lumley, Lucille A. Delayed midazolam dose effects against soman in male and female plasma carboxylesterase knockout mice. *Annals of the New York Academy of Sciences*. 2020 Feb 6. doi: 10.1111/nyas.14311. [Epub ahead of print]

Lent, Emily M., Maistros, Kathleen J., Oyler, Jonathan M. In vitro dermal absorption of carfentanil. *Toxicology In Vitro*, 62, 104696, 2020.

Niquet, J., Lumley, Lucille, Baldwin, R., Rossetti, F., Suchomelova, L., Naylor, D., Estrada, I.B.F., Wasterlain, C.G. Rational polytherapy in the treatment of cholinergic seizures. *Neurobiology of Disease*, 133, 104537, 2020.

Vazquez-Cintron, Edwin, Machamer, James, Ondeck, Celinia, Pagarigan, Kathleen, Winner, Brittany, Bodner, Paige, Kelly, Kyle, Pennington, M. Ross, McNutt, Patrick M. Symptomatic treatment of botulism with a clinically approved small molecule. *JCI Insight*, 5(2), e132891, 2020.

2019:

Adler, Michael, Singh, Ajay K., Gul, Nizamettin, Lebeda, Frank. Medical countermeasures for intoxication by botulinum neurotoxin. In *Chemical Warfare Agents: Biomedical and Psychological Effects, Medical Countermeasures, and Emergency Response*. 3rd ed. (eds. B.J. Lukey, J.A. Romano Jr., H. Salem). Boca Raton, FL: CRC Press, 227-244, 2019.

Adler, Michael, Aplan, James P., Deshpande, Sharad S., Koplovitz, Irwin, Lenz, David. Pyridostigmine protection from nerve agent intoxication: Concept to FDA Approval. In *Chemical Warfare Agents: Biomedical and Psychological Effects, Medical Countermeasures, and Emergency Response*. 3rd ed. (eds. B.J. Lukey, J.A. Romano Jr., H. Salem). Boca Raton, FL: CRC Press, 373-392, 2019.

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Byrne, Timothy J., Vazquez, Raymond, Boehm, Dan, Rimpel, Laukton, Hurst, Charles G. Military chemical casualty treatment. In *Chemical Warfare Agents: Biomedical and Psychological Effects, Medical Countermeasures, and Emergency Response*. 3rd ed. (eds. B.J. Lukey, J.A. Romano Jr., H. Salem). Boca Raton, FL: CRC Press, 577-592, 2019.

Capacio, Benedict R., Smith, J. Richard, diTargiani, Robert C., Pennington, M. Ross, Gordon, Richard K., Haigh, Julian R., Barr, John R., Lukey, Brian J., Noort, Daniel. Clinical detection of exposure to chemical warfare agents. In *Chemical Warfare Agents: Biomedical and Psychological Effects, Medical Countermeasures, and Emergency Response*. 3rd ed. (eds. B.J. Lukey, J.A. Romano Jr., H. Salem). Boca Raton, FL: CRC Press, 401-442, 2019.

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Goswami, Reena, Subramanian, Gayatri, Silayeva, Liliya, Newkirk, Isabelle, Doctor, Deborah, Chattopadhyay, Saurabh, Chilukuri, Nageswararao, Betapudi, Venkaiah. Gene therapy leaves a vicious cycle. *Frontiers in Oncology*, 9, 297, 24 April 2019.

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Lumley, Lucille A., Miller, Dennis, Muse, William T., Marrero-Rosada, Brenda, de Araujo Furtado, Marcio, Stone, Michael, McGuire, Jeffrey, Whalley, Christopher. Neurosteroid and benzodiazepine combination therapy reduces status epilepticus and long-term effects of whole-body sarin exposure in rats. *Epilepsia Open*, 4(3), 382-396, eCollection Sep 2019.

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