

Traumatic brain injury research

Precision medicine may link the right [therapy](#) to the right [patient](#) including new [approaches](#) to [Traumatic brain injury classification](#) beyond the [Glasgow coma scale](#) or anatomical phenotyping-incorporating new genetic and physiologic approaches. Therapeutic breakthroughs may also come from alternative approaches in clinical [investigation](#) ([comparative effectiveness](#), [adaptive clinical trial](#) design, use of the [electronic medical record](#), [big data](#)). The full continuum of [care](#) must also be represented in [translational](#) studies, given the important clinical role of pre-hospital events, extra-cerebral insults in the [ICU](#), and [rehabilitation](#). [Traumatic brain injury research](#) from [concussion](#) to [coma](#) can cross-pollinate and further advancement of new therapies. Misconceptions can stifle/misdirect TBI research and deserve special attention. Finally, Kochanek et al. synthesize an approach to deliver therapeutic breakthroughs in this golden age of TBI research ¹⁾.

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Kochanek PM, Jackson TC, Jha R, Clark RSB, Okonkwo DO, Bayir H, Poloyac SM, Wagner AK M.D, Empey PE, Conley YP, Bell MJ, Kline AE, Bondi CO, Simon DW, Carlson SW, Puccio AM, Horvat CM, Au A, Elmer J, Treble-Barna A, Ikonomic M, Shutter L, Taylor DL, Stern AM, Graham SH, Kagan VE, Jackson EK, Wisniewski SR, Dixon CE. Paths to successful translation of new therapies for severe TBI in the golden age of traumatic brain injury research: A Pittsburgh vision. J Neurotrauma. 2018 Dec 6. doi: 10.1089/neu.2018.6203. [Epub ahead of print] PubMed PMID: 30520681.

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