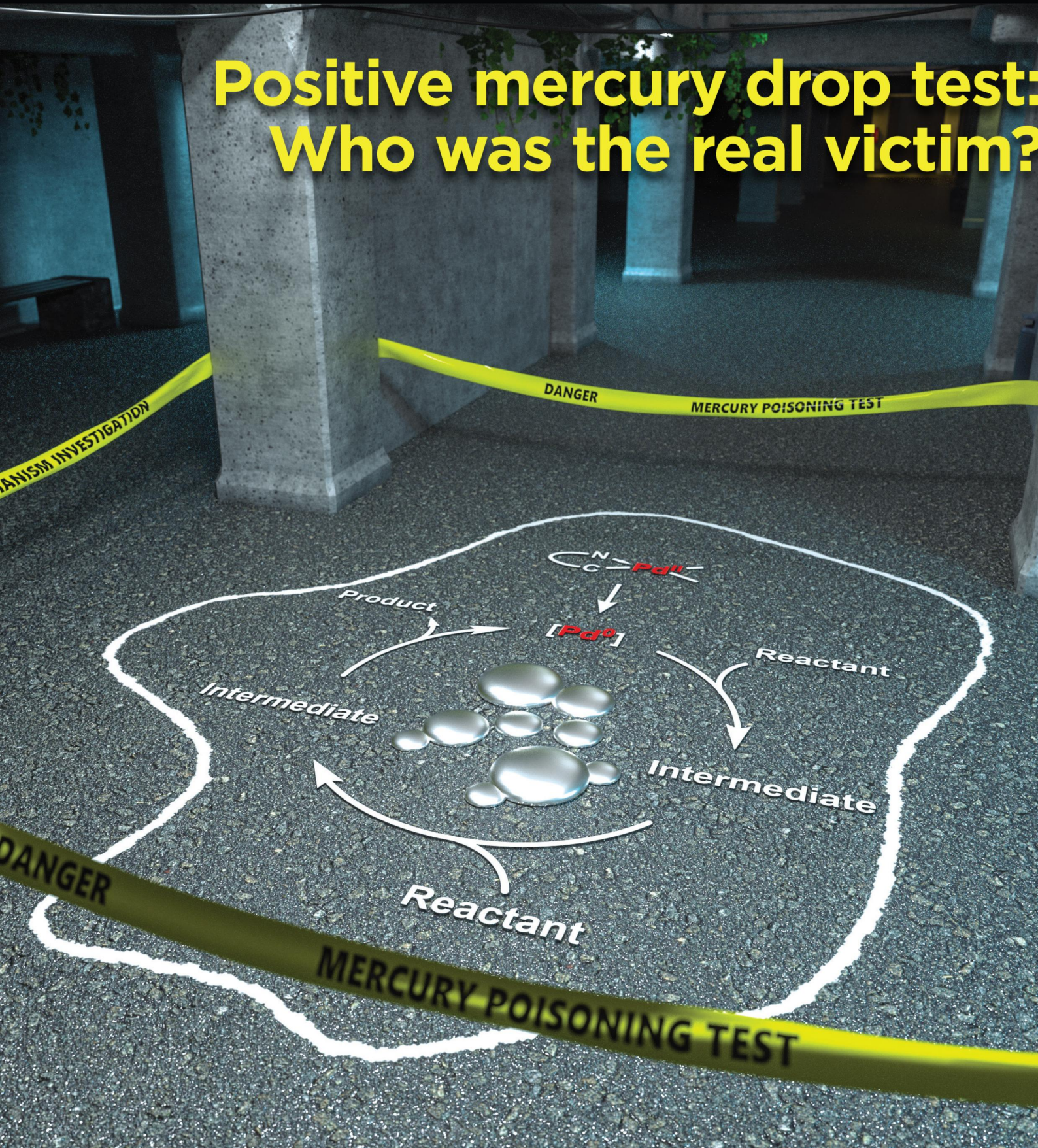


Positive mercury drop test. Who was the real victim?



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About the Cover:

The myth that elemental mercury selectively poisons palladium(0), which is thought to be an active catalyst in a great variety of reactions, must be debunked. Indeed, metallic mercury also readily reacts with C,N-palladacycles, which are proven precatalysts for those reactions. The cover art illustrates that suppression as a metaphoric murder of a palladacycle-catalyzed reaction due to the addition of liquid mercury, which may be caused not only by amalgamation of catalytically active palladium(0) but also by redox-transmetalation of the precatalyst. Thus, the mercury poisoning test alone cannot give definitive mechanistic information without control experiments. See the paper by Dunina and co-authors (DOI: [10.1021/acs.organomet.8b00363](https://doi.org/10.1021/acs.organomet.8b00363)). View the article.