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Transport Phenomena in Biological Systems: International ...

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Transport phenomena - Wikipedia

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From Wikipedia, the free encyclopedia George Alexander Truskey is an American biomedical engineer noted for his research on transport phenomena in biological systems, cardiovascular tissue engineering, and cell adhesion to natural and synthetic surfaces.

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In order to describe transport phenomena in such biological systems, nonequilibrium thermodynamics has been employed to characterize the relationship between fluid and ionic fluxes and their generalized driving forces [9 - 11], with the latter originating in the gradient of the electrochemical potential and affinity of metabolic reactions.