

World Drug Delivery Summit

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Sneaking through the intestinal barriers using polymer nanosystems

The innovator companies ideally look up to novel delivery technologies for extending the life-cycle of the many existing drugs that are or will be off patent to maintain their hold on the market. These delivery technologies are expected to not only extend the life-cycle but also the performance compared to the parent product. The delivery technologies have evolved from simple tablets and capsules to most sophisticated “nanosystems”. These nanosystems are not only capable of improving solubility and permeability limited bioavailability of vast majority of drugs/drug like compounds but also possibly target them to cell or tissue of interest. In this lecture, I present the progress we made in *peroral* drug delivery from passively absorbed nanosystems to receptor mediated delivery.

Biography

Ravi Kumar is the Professor at Department of Pharmaceutical Sciences, Texas A&M Health Science Center in College Station. His research in drug delivery has won him numerous awards including the British Pharmaceutical Conference Science Medal , UK (2009), Tom Gibson Memorial Award by British Society of Plastic Surgeons & the Royal College of Physicians and Surgeons, UK (2008), Indian National Science Academy (INSA) Medal for Young Scientist, India (2007). He was awarded Alexander von Humboldt Research Fellowship, Germany (2002).

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