

Nanotechnology for Novel Solutions in Medicine and ethics in India

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Nanomedicine is the process of diagnosing, treating, and preventing disease and traumatic injury, of relieving pain, and of preserving and improving human health, using molecular tools and molecular knowledge of the human body. In the relatively near term, nanomedicine can address many important medical problems by using nanoscale-structured materials with biological systems. In the mid-term, biotechnology will make possible even more remarkable advances in molecular medicine and biobotics, including microbiological biorobots or engineered organisms. In the longer term, perhaps 10-20 years from today, the earliest molecular machine systems and nanorobots may join the medical armamentarium, finally giving physicians the most potent tools imaginable to conquer human disease, ill-health and aging.

Nanotechnology must benefit health sector and must also help environment. The new challenge in India is risk governance and is doing its best to resolve ambiguities. The proper regulations are to be discussed for retaining human values and quality of life