



IPPS Lecture & Seminar No. 43

- The 46th IROAST Seminar -

Title: **Shock-wave-driven biolistic devices**

Lecturer: Prof. Viren Menezes

(Indian Institute of Technology Bombay)

IROAST Visiting Professor, Kumamoto Univ.

Date & Time: Dec. 13, 2018 (Thu.) 14:30~15:30

Venue: Common Building 3, 5th Floor, 516 (Seminar room)

Abstract: In the shock-driven devices, a shock wave is used as the driver or the propeller for drugs. The drugs could be powder, liquid or colloids. The main objective in this category is to accomplish drug delivery to a controlled depth with minimal damage to the target cells. This presentation will briefly deal with this treatment modality, pertinent to powdered and liquid drug delivery into soft living targets. The device physics, the ballistic delivery of the matter and some ex-vivo and in-vitro results will be presented during the talk.

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