

# Electron Microscopy



## Scientific Staff

Dr. Atanu Basu

Scientist D

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## Technical Staff

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Research Associate

## Activities

The electron microscopy group provides a core high resolution transmission electron microscopy platform complete with state-of-art tissue preparation techniques to researchers within the Institute and to other National labs with due approvals. These include application areas like virus morphodiagnosis, ultrastructural review of tissues and cells, particle counts and immunoelectron microscopy. In the current year a total of 156 specimens were examined for diverse analysis. As a part of maintaining high levels of quality control, the lab is an active participant in the international EM External Quality Assurance Program co-ordinated by the Robert Koch Institute, Berlin, Germany.

## Publications

- Mishra A, Panda JJ, Basu A, Chauhan VS. Nanovesicles based on self-assembly of conformationally constrained aromatic residue containing amphiphilic dipeptide **Langmuir** 2008; 24: 4571-6

## Book Chapters

- Atanu B, Kanjaksha G. Dengue virus interactions with platelets. In: **Arthropod Borne viral Infections, Current status and research (Eds)** D.Rhagunath, C.Durga Rao, 2008, Tata McGraw Hill Publication, 146-151

## Workshops / Conferences / Seminar / Meetings attended

- Invited talk: "Electron Microscopy of infectious diseases", National Center for Biological Sciences, Bangalore, India, 2008
- Public lecture: "Emerging viral infections: the challenge ahead", National Center for Biological Sciences, Bangalore India