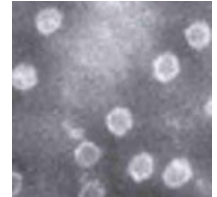
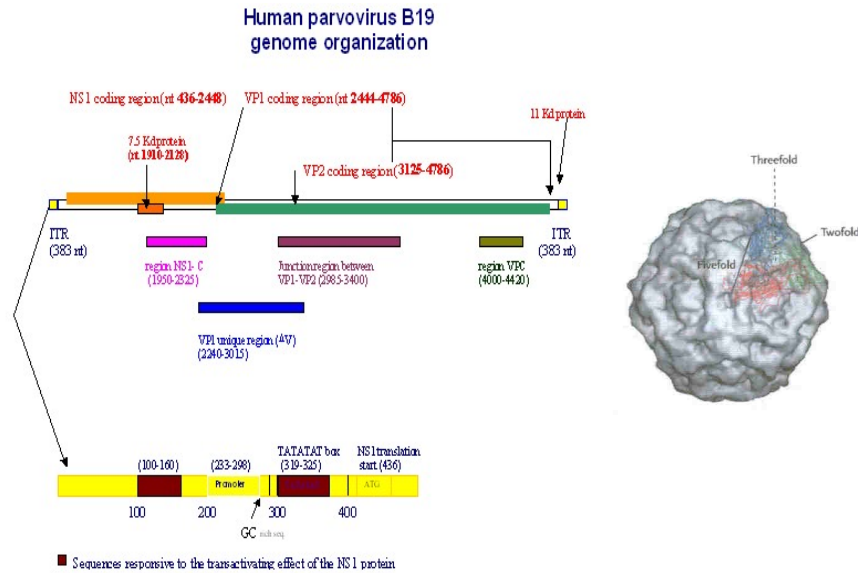


Biotech Training Project

<https://www.facebook.com/pg/biotechnologytraining/reviews>  
[www.biotechtrainingproject.com](http://www.biotechtrainingproject.com)



**ATG 15 Training with project: Immunology and Virology Protocols:** Recent & Past infection studies by ELISA: IgG & IgM detection, Viral antigen detection by standard nested PCR, Viral RT PCR, DNA & RNA extraction and isolation of non-infectious viral proteins, DNA electrophoresis and Southern blot, RNA electrophoresis and Northern blot, Protein electrophoresis SDS PAGE and Western blot:

**Virology Theory:** Molecular Biology of Viruses. Replication strategies of different types of viruses based on nature of DNA and RNA genome. Genome organization. Plant and animal viruses. History of virology, common diagnostic techniques in virology. Antigen test, antibody test, ELISA recent and past infections, Different types of ELISA, Virus neutralization tests, virion and multiplicity of infection. Viral life cycle, viral pathogenesis in human, animal and plants, Plant viruses important from crop and vegetables in India, Common viral infections in India, new and emerging viruses in the world. SARS Corona virus, HIV, HCV, HBV, HAV, HEV, Parvovirus B19, Cytomegalovirus, Zika virus, Ebola virus, Vaccine research and recent trends in virology for jobs and career development. National Institutes of virus diagnostics centers and jobs in India and USA. Selected topics for review in Virology, Duration: 6 months

**Course content theory and protocols:** ATG15 plus Review writing in viral diagnostics/ viral vaccines/ antiviral research/ prevalence and epidemiology, **Wet lab:** Biorad, PCR and Gel documentation system and gel analysis by Quantity One software, Biorad ELISA reader and washer, sterilization and disinfections, All blotting systems from Biorad, ATC introduction and primary cultures. Duration and fees **6 months (POR)**

### Key features while learning at ATG LAB

Original work and entirely new project designed for your needs based on your CV, current industry requirements in molecular biology, Initial training before starting of the project, guidance on review of literature, wet lab demonstration, individual handling of instruments, protocol set up, calculations and learning from failure and trouble shooting in molecular biology, publication in NCBI database as first author. (i.e. data generated will be published in NCBI database with first authorship for research student).

### Benefits after completing research project from ATG LAB

1. Case studies of successful research students from ATG LAB including director, ATG LAB for PhD and Post Doc studies (in India and abroad),
2. Recommendation for further job and PhD studies abroad along with sharing contacts of past students who are placed in India and abroad for guidance for MS / PhD studies abroad.
3. Complete guidance on PhD preparation in biotechnology and life sciences, including statement of purpose (SOP) for different universities in USA, UK, Europe and Australia and Canada, passport and visa guidance and CV preparation etc. with 50% discounted rates

For admission, send completely filled registration form to ATG LAB, 1- Saurabha Apartment, Ganesh Nagar, Pimple Nilakh, Pune 411027. For more information, read registration form. Call 02065104543 or 9921446321 or email to [atgbiochemproject@gmail.com](mailto:atgbiochemproject@gmail.com) For further details of earlier projects and facilities, visit [www.biotechtrainingproject.com](http://www.biotechtrainingproject.com)

10 Years 250+ trained 70+ Final year B.Sc., B.Tech., M.Sc., M.Tech. Students all over India  
We help PhD students to save their PhD.

For more details, visit page "success" for list of students in this category of projects in last 10 years  
[www.biotechtrainingproject.com](http://www.biotechtrainingproject.com)