



# INSTITUTE OF ADVANCED VIROLOGY (IAV)

An Autonomous Institution under Science and Technology Department,  
Government of Kerala

Bio 360 Life Sciences Park, Thonnakkal, Thiruvananthapuram, Kerala – 695 317  
E-mail: mail.[iaav@kerala.gov.in](mailto:iaav@kerala.gov.in), Website : [www.iaav.kerala.gov.in](http://www.iaav.kerala.gov.in), Contact No. 0471- 2996687

Date: 08.12.2021

## Technical Positions

Institute of Advanced Virology (IAV) is an institution under Department of Science & Technology, Government of Kerala with a focus on cutting-edge research initiatives in virology. It has initiated flagship research and diagnostic programs in the key areas of molecular diagnosis, treatment and prevention to address the pressing need to enhance the indigenous capacity to combat emerging viral diseases. Institute seeks support from highly motivated and enthusiastic candidates for its flagship programs focusing on medically important viruses of human or animal origin.

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### 1) Technical Officer-Molecular Diagnostic Support

Number of vacancies	:	One
Age Limit	:	40 years or below as on 22.12.2021
Salary	:	Rs. 26,500 – 56,700/-

#### **Essential Qualifications:**

1. A Bachelor's degree in Medical Laboratory Technology or Medical Microbiology.
2. A cumulative work experience of minimum five years in a reputed State or Central Government / research centre/laboratory/ hospital. (*Duration spent as part of any academic programme, including any degree/diploma, will not be considered as work experience*).
3. Experience in working in a BSL-2 facility, handling medically important viruses
4. Hands on experience in molecular viral diagnosis and virology research, including expertise in techniques such as PCR, Real Time PCR and other diagnostic /molecular biology techniques involving human biological samples and infected materials.
5. Hands on experience in viral nucleic acid isolation from human samples
6. Experience in automated DNA sequencing and sequence analysis
7. Experience in diagnostic laboratory maintenance, record keeping, data entry and analysis and reporting.

#### **Desirable Qualifications:**

1. Experience in Cell culture media preparation, culturing and maintenance of mammalian and mosquito cell lines and related sterile techniques
2. Experience in virus isolation and identification in cell lines
3. Experience in plaque and plaque reduction neutralization (PRNT) assays

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**Advt. No: 371/A1 /2021 / IAV dated 08.12.2021**



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## 2) Technical Officer- Laboratory & Project Management

Number of vacancies	:	One
Age Limit	:	40 years or below as on 22.12.2021
Salary	:	Rs. 26,500 - 56,700/-

### Essential Qualifications:

1. A Bachelor's degree in Medical Laboratory Technology or Medical Microbiology or Biotechnology
2. Cumulative work experience of minimum five years in State/Central Government institutions and research laboratories (*Duration spent as part of any academic programme, including any degree/diploma, will not be considered as work experience*).
3. Hands on experience in various molecular biology techniques such as nucleic acid extraction and electrophoresis techniques, ELISA and blotting techniques; and others
4. Experience in organizing research trainings; and demonstration of laboratory experiments; monitoring trainees and students; and overall laboratory management
5. Experience in preparing specifications for research equipment, consumables ; indenting, and purchases as per state/central government norms and maintenance of files and registers
6. Experience in managing research projects; preparation of project reports; expenditure statements and related administrative procedures.

### Desirable Qualifications:

1. A Master's degree in any of the above disciplines.
  2. Experience in office filing; documentation, maintenance and upkeep of records and stock registers.
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## 3) Technical Assistant- Core Facility Support

Number of vacancies	:	One
Age Limit	:	35 years or below as on 22.12.2021
Salary	:	Rs.20, 000-45,800/-

### Essential Qualifications:

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1. A Bachelor's degree in any branch of Life sciences
2. Cumulative work experience of minimum three years in State/Central Government institutions and research laboratories( *Duration spent as part of any academic programme including any degree/diploma will not be considered as work experience*).
3. Hands on experience with technical proficiency in operating any of the high end equipment such as automated DNA sequencer/ Next Generation sequencing systems/ Advanced research microscopy/ FACS/Microarray/Proteomics ; and expertise in use of relevant software and preliminary data analysis.

### **Desirable Qualifications:**

1. A Master's degree in any branch of life sciences
2. Experience in mammalian cell culture techniques
3. Experience in working with medically important viruses

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### **General Conditions & Instructions:**

Age relaxation will be given as per Government of Kerala norms for eligible candidates. Necessary documents in support to prove the qualifications; experience; and age relaxation, if applicable, must be submitted along with the application. Applications are to be submitted in the prescribed format ([www.iaav.kerala.gov.in](http://www.iaav.kerala.gov.in)).

### **Last date of submission of application - 22 December, 2021; 5.00 p.m.**

All applications will be screened by a committee for suitability of the candidates for the positions. Only applications submitted in the prescribed format; and of those candidates with all the above essential qualifications, provided with supporting evidence will be considered. However, mere fulfillment of the essential qualifications will not automatically entitle any candidate to be short-listed for participation in the selection procedures.

Shortlisted candidates will be called for an interview to be done by a duly constituted selection committee. No interim enquiries/correspondence/communication of any sort will be entertained during the selection procedure. The decision by the selection committee will be final and binding. Canvassing in any manner would entail automatic disqualification of the candidature. The Director, IAV reserves the right to not to fill any or all of the posts advertised.

Application form, duly filled with all details and signed; and with relevant documents must be sent by post to the Director, Institute of Advanced Virology, Thonnakkal, Thiruvananthapuram-695317 so as to reach the office on or before the last date ( 22 December, 2021; 5.00 P.M).

Sd/-  
Director

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