IAESTE INDIA

WORK OFFER

Ref. No. IN-2020-32608-MU

Employer Information

Employer: Manipal College of Pharmaceutical Sciences
Pharmaceutical Biotechnology

1st Floor, Academic Block-4, MIT, Manipal

576104 Manipal
India

Website: http://www.manipal.edu

Location of placement: Manipal
Nearest airport: Mangalore
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 500
Business or products:

Student Required

General Discipline: 26-BIOLOGICAL AND BIOMEDICAL SCIENCES

Field of Study: 26.0102-Biomedical Sciences, General.
26.1001-Pharmacology.
26.1201-Biotechnology.

Completed years of study: 4

Student status requirements: Required during internship

Language required: English Excellent

Required Knowledge and Experiences:
NA

Other requirements:

Work Offered

Inhibition of HSV viral DNA Replication by silencing of UL9 Protein by RNA interference: Herpes simplex viruses-1 (HSV-1) and 2 (HSV-2), belonging to alpha herpesviral is icosahedral, buildup of 162 tubular capsomeres surrounding a core of DNA. The first step in the initiation of DNA replication is the recognition of a specific DNA sequence at the origin of DNA replication by an origin-binding protein. UL9 is a multifunctional protein required for herpes simplex virus replication in vivo. UL9 is a member of the superfamily II helicases and exhibits helicase and origin-binding activities. This protein is critical for the multiplication of the virus. In the present work, we propose the design and evaluation of siRNA technology for silencing the UL9 gene to prevent the replication of viral DNA.

Number of weeks offered:	10 - 12	*Working environment:*	Research and development
Within the months:	01-JUN-2020 - 15-NOV-2020	*Gross pay:*	7000 INR / Month
Or within:	-	*Deduction to be expected:*	15%
Company closed within:	-	*Payment method / time of first payment:*	/
Latest possible start date:			

Accomodation

Canteen at work:	Yes		
Expected type of accommodation:	Student dormitory	*Estimated cost of lodging:*	0 INR / Month
Accommodation will be arranged by:	IAESTE India LC Manipal	*Estimated cost of living incl. lodging:*	4500 INR / Month

Additional Information

For more information about the local committee: http://explore.iaeste.in/mu

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 31-JAN-2020 *On behalf of receiving country:* Siddharth Chadha