

Date:28-01-2021

Gaurav Kumar  
House no: 1905, Sector: 4  
Rewari, 123041 Haryana  
India

### **Invitation letter for Gaurav Kumar**

We are pleased to invite Gaurav Kumar (Passport No. U7883339, DoB: 30-03-2000) to visit UiT The Arctic University of Norway between 16<sup>th</sup> April 2021 to 19<sup>th</sup> August 2021.

Gaurav is a B. Tech “student at the Indian Institute of Technology (IITK), Kharagpur, India. Gaurav has been collaborating with our group from August 2020 on developing machine learning (AI) techniques on quantitative phase microscopy (QPM) for imaging the biological samples for the biologist/clinicians. He has acquired initial results using the prior collected data and set-up and the results are very promising. The biological application requires his direct interaction with our team and experience with the microscopes in our lab in order to acquire optimal data for the work. We have arranged for him the biological samples and the adequate assistance needed for the successful completion of this project. These results will be published in high impact journal papers. UiT and IIT has engaged in a common project, to develop novel optical nanoscopy for biomedical imaging and novel acoustic sensors for environmental monitoring and clean energy. The research interests of participating principle investigators from UiT are application-driven in the area of nanotechnology, bio-medical engineering, and acoustic/photoacoustic imaging. The underlying tools are based on optical measurement techniques, acoustic and optical sensors. He will be supervised by the INTPART project leader, Professor Balpreet Singh Ahluwalia and Dr. Azeem Ahmad.

This research work will be funded by DIKU’s INTPART project for mobility for research education. UiT and IIT are engaged in a common INTPART project (no. 309802) “next generation optical nanoscopy platforms for biological system–symbiosis of advanced training, research and innovation”. Mr. Gaurav will be provided a round trip airfare and a financial assistance (approximately 10,000 NOK/month) during his stay at Tromsø from this INTPART Project no. 309802.

Do not hesitate to contact me if further details are sought.

Kirsti M. Johannessen  
Higher executive officer  
[kirsti.merete.johannessen@uit.no](mailto:kirsti.merete.johannessen@uit.no)  
+47 77 645150

*Kirsti M. Johannessen*

UNIVERSITY OF TROMSØ

Faculty of Science and Technology  
Department of Physics and Technology

