

**MEMORANDUM OF UNDERSTANDING FOR INSTITUTIONAL COLLABORATION**

**BETWEEN**

**JAWAHARLAL NEHRU UNIVERSITY (JNU)**

**AND**

**INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)**

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**Preamble**

JAWAHARLAL NEHRU UNIVERSITY (herein after called as JNU) is the foremost university in India, and a world-renowned centre for teaching and research. JNU is ranked among the top three Universities in India by various agencies and received the Best University Award from the President of India in 2017.

INDIAN COUNCIL OF MEDICAL RESEARCH (herein after called as ICMR) a society registered under the Societies Registration Act 1860. ICMR is the apex body in India for the formulation, coordination and promotion of biomedical research. It is one of the oldest medical research bodies in the world.

JNU and ICMR have agreed for institutional collaboration in education and research. The primary objective is to promote and interaction and collaboration between faculty, staff and students of JNU and ICMR institutions through visits and exchange programmes, carry out joint academic and research programmes, joint supervision of doctoral and master's students and funded research. The relationship also aims at enhancing the technological collaboration in areas of national interest. It also includes some specifically identified areas of cooperation such as Bioinformatics, Genomics, Medical Informatics, Chemoinformatics, Drug Discovery and Data analytics, which may be updated from time to time.

*2-2-2018*

**Coordination**

Head, Division of Informatics Systems and Research Management (ISRM), ICMR Hqrs shall be the Coordinator from ICMR and Director, Research and Development, JNU shall be the Coordinator from JNU.

*HRD*

**Scope of Cooperation**

The following areas of cooperation have been identified under this agreement.

- (i) Faculty exchange programme: The two parties will explore opportunities for interaction among members of faculty between Schools/Centres of JNU and ICMR institutions as well as creating Visiting/Adjunct Faculty positions.
- (ii) Student exchange programme: The two parties agree to participate in student exchange programme at the respective institutions. Visits under such programmes may be for a short duration, such as summer/winter terms or short courses, or for a longer duration not exceeding two semesters. However, for visits exceeding two semesters separate approvals will be needed.
- (iii) Joint research projects: The two parties will explore opportunities of undertaking joint research projects. Few areas of collaborative research (but not limited to) includes Bioinformatics, Genomics, Proteomics, Metabolomics, Medical Informatics, Health Economics, Chemoinformatics, Drug Discovery, Application of Machine Learning and other advance data analytics in medical research, Data Repository and Data Analytics

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Capacity. Image Analytics, epidemiology, developing and evaluating medical devices and technologies and other areas of mutual interest. Collaborating researchers from ICMR and JNU will explore funding from National and International Government or non-Government Funding agencies.

- (iv) ICMR-JNU joint PhD programme: Both institutes will initiate a joint mentorship PhD program where mentors from both the institutions will guide the students to work on problems originating from ICMR. A detailed document related to such programme will be required and approved by the competent authorities of JNU and ICMR, before implementation.
- (v) Joint academic activities and events: JNU and ICMR institutions and medical institutions identified by ICMR may formulate joint academic activities such as short course, seminars, workshops or conferences based on mutual interests and available expertise in both the institutions. They may also share and carry out joint research in technology for distance and computer-based learning.
- (vi) Joint Research Centre: JNU and ICMR will explore setting up of a joint Data Analytics research centres for communicable, non-communicable disease informatics at JNU for long term collaboration between two institutions.
- (vii) Both institutes will explore the possibility of joint collaborations with other Science and Technology Departments/ Medical Institutes/ Universities in all the areas mentioned before.
- (viii) JNU will facilitate ICMR scientists for incubating technologies at Atal Incubation Centre- Jawaharlal Nehru University Foundation for Innovation (AICJNU-FI).

The areas of cooperation may be revised by mutual consent. However, specific programmes, activities and projects may require separate agreements.

### **Intellectual Property**

Intellectual property developed during the visit of an exchange student/ PhD/ scholarship holder/ researcher/ faculty/ staff will be governed by the rules of the host institute unless otherwise specified. If the two institutions in clearly defined collaborative projects and exchange programmes both have a part in Intellectual Property developed (results) with shares which can't separately exploited they shall jointly own these results. Under these requirements a joint ownership entitles each institution to use free of charge for scientific purposes and explore commercialization. However, transfer of jointly developed Intellectual Property and associated sharing of revenue shall be governed by a separate agreement.

Furthermore, if one institution receives any information from the partner under a clearly defined non-disclosure agreement, necessary and reasonable care will be taken to protect the intellectual property received.

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## Committees

The activities envisaged under the MoU will be guided and monitored by ICMR-JNU joint Steering Committee. It will be the highest level of committee mentoring the activities of the centre including approval of applications for Joint PhD program, approval of joint collaborative projects for submission to funding agencies and to suggest mechanisms to achieve objectives of MOU, monitor the activities under the MOU, to review the overall progress over a period of time. The DG, ICMR and Secretary, DHR and Vice-Chancellor, JNU will Chair this committee. DG, ICMR or any person authorized by him/ her, who is also a member of the steering committee, will be the Administrative Head of the Centre. There will be 3 additional senior members nominated by DG, ICMR and 3 nominated by VC, JNU. Additionally there will be 4 national experts nominated by committee. The Chairs will serve in Ex-Officio capacity and other members will have a three years' term. The Steering Committee will meet at least once in a year.

## Financing

ICMR and JNU will approach National/International Government or Non-Government agencies and industries for funding various initiatives envisaged under this MoU. There are no financial obligations for the contract partners as a result of this contract.

## Legal Status

This document is a statement of intent to foster genuine and mutually beneficial cooperation and is not legally binding on the parties. Any disputes shall be resolved through mutual discussion.

## Validity

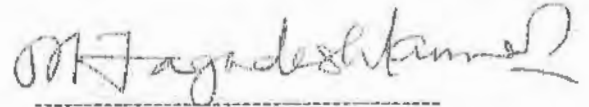
This MoU is valid for an initial period of five years and becomes effective from the date it is signed by the partners. The partnership period may be extended by mutual consent. In case one partner wishes to terminate in writing the MoU, intimation will have to be sent at least six months in advance. However, specific commitments made prior to such intimation shall be honoured by both the partners.



Secretary, DHR & DG, ICMR  
Indian Council of Medical Research  
New Delhi, India

Date: 07<sup>th</sup> Oct 2019

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Date: 07-Oct-2019

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