



MEMORANDUM OF UNDERSTANDING

Between

NATIONAL INSTITUTE OF MALARIA RESEARCH

Sector 8, Dwarka, New Delhi-110077, India

AND

**YU-IOB CENTER FOR SYSTEMS BIOLOGY AND
MOLECULAR MEDICINE,**

Yenepoya Research Center, Yenepoya University, Deralakatte,
Mangalore- 575 018, Karnataka, India.

ATTESTED 

Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.

MEMORANDUM OF UNDERSTANDING

This agreement is entered into at Mangalore on this day the XX in the month of XX in the year two thousand and sixteen between

YU-IOB Center for Systems Biology and Molecular Medicine, Yenepoya Research Center, Yenepoya University, Deralakatte, Mangalore 575 018, Karnataka, India (hereinafter called 'CSBMM')

AND

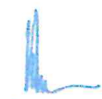
National Institute of Malaria Research, Sector 8, Dwarka, New Delhi-110077, India (hereinafter called 'NIMR')

WHEREAS CSBMM is an academic research center at Yenepoya University, Mangalore, engaged in the genomic, proteomic and metabolomic approaches to investigate diseases of human, pathogens and host pathogen interactions.

WHEREAS NIMR is a premier research centre specializing in areas of mosquito diversity and behavior, development of genetic and molecular markers for important malaria vectors and parasites, cytotaxonomic studies identifying major vectors as species complexes and monitoring of insecticide resistance among vectors, drug resistance in parasites, clinical evaluation of new antimalarials and other epidemiological studies.

Both the above parties held discussions at various times to enter into an agreement related to matters of mutual interest and decided to deduce their respective roles and points of agreement jointly hereunder:

The following are the conditions of the MOU


(A. Kumar)



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1. Both the parties decided to work closely on research projects pertaining to vector borne diseases including malaria, dengue, filariasis and chikungunya for a period of 6 years from the date of signing of this MOU. These research projects will be an attempt to enhance the knowledge in the fields of genomic, proteomic and metabolomic analysis of hosts, vectors and pathogens pertaining to vector-borne diseases.
2. Dr. Keshava Prasad and other scientists will represent the YU-IJOB CSBMM and Dr. Ashwani Kumar and other scientists will represent NIMR. They will supervise the above-mentioned research projects.
3. Both the parties will work for academic interest. In the event of the outcome of any intellectual property, both the institutes will share IPR as mutually decided upon. All participants from both organizations (*as specified by the representatives of both centers*) will be co-authors in research papers, patents, conference presentation and academic events that emanate from the proposed research projects.
4. As per the mutual agreement, following Animal Ethics Board approval relevant to selected research projects, NIMR will facilitate and extend; expertise, consultations, and specimens for analysis as appropriate.
5. NIMR will provide all the logistics and consumables for sample collection, storage and subsequent transport for analysis from the joint projects of CSBMM and NIMR.
6. CSBMM will provide the instrumentation time including mass spectrometers, consumables required for sample preparation, expertise in sample preparation, mass spectrometry, data analysis and data interpretation support.
7. NIMR and CSBMM scientists will develop grant proposals and put efforts to get joint research grants from national and international funding agencies..
8. These studies will not involve any type of radioactive material.


(A. Kumar)



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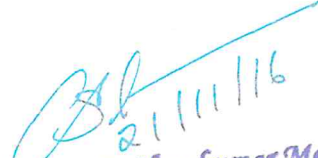
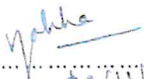
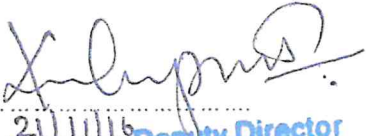
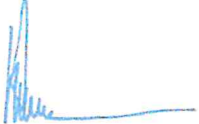
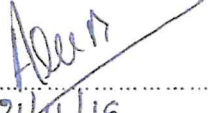
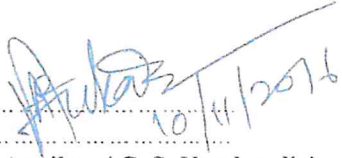







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<p>Signature:  Date: 21/11/16 Dr. G. Shree Kumar Menon Registrar Yenepoya University Mangaluru - 575 018 Yenepoya University, Mangalore - 575018, Karnataka, India</p>	<p>Signature:  Date: 10/11/16 Dr. Neena Valecha Director National Institute of Malaria Research Sector 8, Dwarka, New Delhi-110077, India</p>
<p>Signature:  Date: 21/11/16 Dr. T. S. Keshava Prasath Deputy Director Professor and Deputy Director YU-IOB Center for Systems Biology and Molecular Medicine Yenepoya University Mangalore - 575 018, India Yenepoya University Mangalore, Karnataka, India - 575018</p>	<p>Signature:  Date: 09/11/16 Dr. Ashwani Kumar Scientist E National Institute of Malaria Research Sector 8, Dwarka, New Delhi-110077, India</p>
<p>Signature:  Date: 21/11/16 Dr. Arun Bhagwath Professor and Deputy Director Yenepoya Research Center Yenepoya University Mangalore, Karnataka, India - 575018</p>	<p>Signature:  Date: 10/11/2016 Dr. Anup Anvikar / C. S. Nambodiri National Institute of Malaria Research Sector 8, Dwarka, New Delhi-110077, India</p>

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