



IUPUI
SCHOOL OF SCIENCE

Memorandum of Intent for Collaboration

Between the

**IUPUI School of Science at
Indiana University Purdue University Indianapolis
Indianapolis, IN, USA**

And the

**University of Mumbai
Mumbai, India**



The IUPUI School of Science (which shall be named the "IU School of Science" beginning July 1, 2024) at Indiana University Purdue University Indianapolis (which shall be named the "IU-Indianapolis" beginning July 1, 2024), established in the State of Indiana, United States of America, and the University of Mumbai, established in Maharashtra, India (each a "Party" and collectively, the "Parties"), set forth this Memorandum of Intent for Collaboration on this 10th day of August, 2023 (the "Effective Date").

The Parties intend for this Memorandum to represent the initial step toward more specific collaboration in science education and research. The Parties plan to explore opportunities for collaboration, which may include, but are not limited to:

- (a) the sharing of information related to research and teaching activities in fields of mutual interest (e.g., Biology, Chemistry, Data Science, Earth Science, Forensic Science, Mathematics, Neuroscience, Physics, and Psychology). A few example areas of research are:
 - i. human health and the environment;
 - ii. convergent bioscience and biotechnology;
 - iii. sustainable earth;
 - iv. data science as applied to health sciences;
 - v. quantum computing, condensed matter physics, and medicinal physics;
 - vi. hydrocephalus, bone regeneration, and diabetic retinopathy;
 - vii. hydrology, environmental science, and water resources;
 - viii. addiction neuroscience;
 - ix. pain management, industrial psychology, and clinical psychology;
 - x. metals in biological systems and mass spectrometry;
 - xi. dynamic systems and mathematical modeling of biological systems;
 - xii. insects as forensic agents and forensic genetics; and
 - xiii. STEM education research.

- (b) the conception and implementation of joint academic programs;
- (c) the conception and implementation of research projects with joint Indo-U.S. funding sources;
- (d) the development of collaborative research colloquiums and workshops; and
- (e) the creation of mobility opportunities for faculty and students.

Prior to initiating any joint program or project, the Parties shall enter into an agreement setting forth the specific details of the proposed program or project, including the academic units and personnel involved, the duration of the program or project, and the source of any funding required. Each such agreement, prior to becoming effective, shall be vetted in accordance with each Party's internal policies and procedures and signed by an authorized representative of each Party. Each program or project must be organized and administered in accordance with applicable law and the relevant policies and procedures of each Party.

This Memorandum shall remain in force for a period of three (3) years from the Effective Date; however, either Party, at its discretion, may terminate this Memorandum during its term by giving notice at least six (6) months in advance of the intended termination date.

This Memorandum shall not be construed as creating any legally binding rights or obligation on the part of either Party and shall not be enforceable in law or equity in any court or tribunal for any purpose.

IN WITNESS WHEREOF, the Parties have caused this Memorandum to be duly executed.

On behalf of:

University of Mumbai
Mumbai, Maharashtra, India



Sunil Patil, Ph.D.
Director
University of Mumbai

On behalf of:

School of Science at IUPUI
Indianapolis, Indiana, USA



John F. DiTusa, Ph.D.
Dean and Professor of Physics
IUPUI School of Science