

The University of Michigan Regents Communication

Request for Action

Subject: Project Agreements with the University of Michigan

Action Requested: Authorization to enter into or amend Agreements

Preamble:

Statutory conflicts of interest situations were identified by the Conflict of Interest Offices while reviewing Proposal Approval Forms that then triggered a review by the Medical School Conflict of Interest Board ("Board") and/or the OVPB Conflict of Interest Committee ("Committee"). Plans for management of the possible risks associated with the conflicts of interest will be developed and approved by the Board and/or Committee and may require agreement by the parties involved at time of award.

These proposed projects (e.g., research, sponsored activity, and/or subcontract) agreements ("Agreement") and/or amendments to Agreements ("Amendments") fall under the State of Michigan Conflict of Interest Statute because University of Michigan ("University") employees have activities, relationships, or interests in the companies as described in Attachment A. The law permits such Agreements provided they are disclosed to the Board of Regents ("Regents") of the University and approved in advance by a 2/3 vote.

Agreement Terms:

The terms of the Agreements and/or Amendments conform to University policy. The funding support will not exceed the amount reported in Attachment A for each Agreement and/or Amendment. Since projects are often amended, these Agreements and/or Amendments include provisions for changes in time and scope. University procedures for approval of these changes will be followed, and additional conflict of interest review will be done as appropriate.

Impact of the Agreement:

The Agreements and/or Amendments will provide support of investigator's effort to use their expertise and University laboratories, as well as other University resources, to execute the projects as reported in Attachment A.

Recommendations:

These matters have been reviewed and approved by the Board and/or the Committee. In light of this disclosure and our finding that the Agreements and Amendments were negotiated in conformance with standard University practices, I recommend that the Board of Regents approve the University's entering into or amending the Agreements referenced in Attachment A.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Arthur Lupia', with a stylized flourish at the end.

Arthur Lupia

Vice President for Research and Innovation

July 2026

Attachment

Attachment A

Project #1

Subcontract Agreement between the University and Fourth State Technologies Inc.

Reviewed by the OVPR Conflict of Interest Committee

Title: PFAS Destruction in Agricultural Water Sources using a Scalable Continuous Flow Plasma System

U-M Project ID: 26-PAF08986

Direct Sponsor: Fourth State Technologies Inc.

Prime Sponsor: Michigan, State of, Agriculture and Rural Development, Department of

Principal Investigator/Department: John Foster, Nuclear Engineering and Radiological Sciences

Project Start Date: 9/1/2026

Project End Date: 8/31/2028

Funding Support: \$18,153

Purpose: The purpose of this project is to develop, in conjunction with Fourth State Technologies Inc., a water treatment system that is capable of decomposing organic contaminants, including per- and polyfluoroalkyl substances (PFAS), using plasma (ionized gas) to drive advanced oxidation and advanced reduction processes.

University Employee; University Title; Relationship with Fourth State Technologies Inc.:

- John Foster; Nuclear Engineering and Radiological Sciences; Partial Owner
- Curt Wolf; Strategic Director, Civil and Environmental Engineering, Partial Owner

Project #2

Subcontract Agreement between the University and General Orbit Company

Reviewed by the OVPR Conflict of Interest Committee

Title: NASA Mars Exploration Program Task

U-M Project ID: 26-PAF09869

Direct Sponsor: General Orbit Company

Prime Sponsor: National Aeronautics and Space Administration

Principal Investigator/Department: Mark Moldwin, CoE Climate & Space Sci Eng

Project Start Date: 6/1/2026

Project End Date: 9/30/2026

Funding Support: \$42,750

Purpose: The purpose of this project is to provide support for the Noise Eliminating Magnetometer Instrument in a Small Integrated System (NEMISIS) – MARTIA instrument concept, which is based on the Geospace Dynamics Constellation (GDC) NEMISIS instrument, by generating tests, simulations, and analysis for adapting GDC-NEMISIS to the Mars Orbital environment to take advantage of upcoming flight opportunities by the NASA HQ Mars Exploration Program.

University Employee; University Title; Relationship with General Orbit Company:

- Mark Moldwin; Professor, Climate and Space Sciences and Engineering; Partial Owner
- Lauro Ojeda; Research Scientist, Mechanical Engineering, Partial Owner

Project #3

Research Agreement between the University and LynxDx

Reviewed by the Medical School Conflict of Interest Board

Title: PostDRE Urine Samples for MyProstateScore 2.0 (MPS2) Development

U-M Project ID: 26-PAF03755

Direct Sponsor: LynxDx

Principal Investigator/Department: Lanbo Xiao, MM Ctr fr Translational Path.

Project Start Date: 1/1/2026

Project End Date: 12/31/2027

Funding Support: \$44,213

Purpose: The work will look to expand upon MPS2 and identify new biomarkers that further predict prostate cancer risk assessment as well as performance in new indications.

University Employee; University Title; Relationship with LynxDx:

- Arul Chinnaiyan; Professor of Pathology; Partial Owner

Project #4

Instructional Agreement between the University and the Osteology Foundation

Reviewed by the OVPR Conflict of Interest Committee

Title: Osteology Fellow

U-M Project ID: 26-PAF06311

Direct Sponsor: Osteology Foundation

Principal Investigator/Department: Purnima Kumar, Periodontics and Oral Medicine

Project Start Date: 3/27/2026

Project End Date: 2/28/2027

Funding Support: \$7,500

Purpose: The purpose of this activity to enter a partnership to improve the education of young dentists and basic researchers in oral tissue regeneration through an educational research program known as the "Osteology Advanced Research Traineeship."

University Employee; University Title; Relationship with the Osteology Foundation:

- Purnima Kumar; Professor, Periodontics and Oral Medicine; Member, Board of Directors

Project #5

Other Sponsored Activity Agreement between the University and RUA Diagnostics Inc.

Reviewed by the Medical School Conflict of Interest Board and the OVPR Conflict of Interest Committee

Title: Prospective Breath Collection Study to Support Development of Breath-Based Diagnostics for Lung Cancer

U-M Project ID: 26-PAF08010

Direct Sponsor: RUA Diagnostics Inc.

Principal Investigator/Department: Andrew Chang, Thoracic Surgery Section

Project Start Date: 6/1/2026

Project End Date: 6/1/2027

Funding Support: \$50,000

Purpose: The purpose of this activity is collect breath samples and associated clinical data from patients with lung cancer and relevant control populations to support development and training machine learning models for breath-based lung cancer detection.

University Employee; University Title; Relationship with the RUA Diagnostics Inc.:

- Xudong Fan; Professor, Biomedical Engineering; Partial Owner
- Kevin Ward; Professor, Emergency Medicine; Partial Owner