

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST

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 Office of Research and Sponsored Projects while reviewing Proposal Approval Forms that then triggered a review by the Medical School Conflict of Interest Board and/or the UMOR Conflict of Interest Review 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 project (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 Medical School Conflict of Interest Board and/or the UMOR Conflict of Interest Review 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 cursive script, appearing to read 'Rebecca Cunningham'.

Rebecca Cunningham
Vice President for Research and Innovation

December 2023

Attachment A

Project #1

Fourth Amendment to Research Agreement between the University and Eli Lilly and Company Reviewed by the Medical School Conflict of Interest Board	
<u>Project Information</u>	
Title: Renewal of Eli-Lilly RPC2 Contract (Renal Pre-Competitive Consortium) for 2024-2025	U-M Project ID: 24-PAF03518
Direct Sponsor: Eli Lilly and Company	
Principal Investigator/Department: Matthias Kretzler, Internal Medicine-Nephrology	
Agreement Originally Approved by the Regents: October 15, 2015	
Current Project Duration: Eight (8) Years, Three (3) Months Additional Time: Two (2) Years	Current Funding Support: \$2,133,051 Additional Funding Support: \$519,893
Purpose: The purpose of this amendment is to add additional funds and time so Dr. Kretzler may continue efforts in the consortium facilitating precompetitive renal research by providing access and analysis of a number of large datasets associated with renal disease to better understand key pathways and identify potential targets for the development of diagnostic and therapeutic compounds.	
<u>University Employee; University Title; Relationship with Eli Lilly and Company</u>	
<ul style="list-style-type: none">• Marschall Runge; Executive Vice President for Medical Affairs, Dean of the Medical School; Board of Directors Member	

Project #2

SBIR Phase I Subcontract Agreement between the University and Energy Systems of Michigan Reviewed by the UMOR Conflict of Interest Review Committee	
<u>Project Information</u>	
Title: Integrated Semiconductor Device for Operating COTS CMOS ICs at Ultra-Low Temperatures	U-M Project ID: 24-PAF02532
Direct Sponsor: Energy Systems of Michigan	Prime: Department of Energy
Principal Investigator/Department: Pei-Cheng Ku, Electrical Engineering and Computer Science – Electrical and Computer Engineering (EECS – ECE) Division	
Project Duration: Six (6) Months	Funding Support: \$62,000
Purpose: The purpose of this project is to develop and validate electronics that use commercial-off-the-shelf (COTS) technologies that can operate at very low temperatures (below 4K) without thermal heating, specifically, CMOS integrated circuits (ICs).	
<u>University Employee; University Title; Relationship with Energy Systems of Michigan</u>	
<ul style="list-style-type: none">• Al-Thaddeus Avestruz; Assistant Professor, EECS – ECE Division; Partial Owner	

Project #3

Research Agreement between the University and MedSyn Biopharma LLC Reviewed by the Medical School Conflict of Interest Board	
<u>Project Information</u>	
Title: SRA: Development of novel therapeutic agents	U-M Project ID: 24-PAF01276
Direct Sponsor: MedSyn Biopharma LLC	
Principal Investigator/Department: Shaomeng Wang, Hematology/Oncology	
Project Duration: One (1) Year	Funding Support: \$2,000,000
Purpose: The purpose of this project is to support further optimization and testing of potent small molecule degraders for several targets to select one or more compounds suitable for clinical development and identification and validation of potential biomarkers for clinical trials.	
<u>University Employee; University Title; Relationship with MedSyn Biopharma LLC</u>	
<ul style="list-style-type: none">• Arul Chinnaiyan; Professor, Pathology; Partial Owner• Shaomeng Wang; Professor, Internal Medicine; Partial Owner	

Project #4

Subcontract Agreement between the University and Navigation Solutions, LLC Reviewed by the UMOR Conflict of Interest Review Committee	
<u>Project Information</u>	
Title: Sensor-Assessed Clinic versus Home Gait Measures in At-Fall Risk Older Adults	U-M Project ID: 24-PAF02525
Direct Sponsor: Navigation Solutions, LLC	Prime: National Institutes of Health
Principal Investigator/Department: Xun Huan, Mechanical Engineering	
Project Duration: One (1) Year	Funding Support: \$148,922
Purpose: The purpose of this project is to develop more accurate in home sensor driven "gait measurement" techniques for older adults at risk of falls.	
<u>University Employee; University Title; Relationship with Navigation Solutions, LLC</u>	
<ul style="list-style-type: none">• Lauro Ojeda; Associate Research Scientist, Mechanical Engineering; Partial Owner	

Project #5

Research Agreement between the University and NX Fuels, Inc. (dba Carbon Fuels, Inc.) Reviewed by the UMOR Conflict of Interest Review Committee	
<u>Project Information</u>	
Title: Scalable synthesis of InGaN for overall water splitting	U-M Project ID: 24-PAF02402
Direct Sponsor: NX Fuels, Inc.	
Principal Investigator/Department: Zetian Mi, EECS – ECE Division	
Project Duration: One (1) Year	Funding Support: \$510,000
Purpose: The purpose of this project is to investigate the sputtering deposition and processing of III-nitride semiconductor (Ga(In)N) films, and further demonstrate photocatalytic solar water splitting with solar-to-hydrogen efficiency >1%. The long-term stability and the path to achieve higher efficiency values (>5%) will also be studied and evaluated.	
<u>University Employee; University Title; Relationship with NX Fuels, Inc.</u>	
<ul style="list-style-type: none">• Zetian Mi; Professor, EECS-ECE Division; Partial Owner	

Project #6

SBIR Phase I Subcontract Agreement between the University and Theia Scientific, LLC Reviewed by the UMOR Conflict of Interest Review Committee	
<u>Project Information</u>	
Title: A Scalable and Adaptable Machine Learning-Based QA Platform for Large Volume, High Fidelity HTS-Based Magnet Production	U-M Project ID: 24-PAF02027
Direct Sponsor: Theia Scientific, LLC	Prime: Department of Energy
Principal Investigator/Department: Kevin Field, Nuclear Engineering and Radiological Sciences	
Project Duration: Nine (9) Months	Funding Support: \$60,000
Purpose: The purpose of this project is to create a Slicing Aided Hyper Inference (SAHI) framework for high resolution images, an adaptation of the Segment Anything Model (SAM) for random point assignment, and development of a supervised machine learning model for segmented flaw detection in HTS-magnet systems.	
<u>University Employee; University Title; Relationship with Theia Scientific, LLC</u>	
<ul style="list-style-type: none">• Kevin Field; Associate Professor, Nuclear Engineering and Radiological Sciences; Partial Owner	