

**MICHIGAN STATE  
UNIVERSITY**

January 25, 2023

**APPROVED**  
**FEBRUARY 10, 2023**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance  
**From:** Douglas A. Gage, Ph.D. *Douglas Gage*  
Vice President for Research and Innovation  
**Subject:** Approval of Contract Terms: *CavGene, LLC*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve an Option Agreement between Michigan State University and *CavGene, LLC*, a Michigan LLC, in which MSU Professor Kathy Steece-Collier and members of her family hold a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an Option Agreement with *CavGene, LLC*, consistent with earlier public notice and with an Option Agreement Term Sheet now presented to the Board for inclusion in its minutes.

**BACKGROUND**

The terms of an Option Agreement are now presented for Board approval. Dr. Steece-Collier has developed a treatment for Parkinson's Disease utilizing gene therapy with Levodopa-induced Dyskinesia. For MSU, she is currently researching the effects of this treatment on Parkinson's disease. The company has contracted with MSU the option to license the technology.

This entity was spun out of MSU-developed technology related to Parkinson's Disease treatments. The attached Option Agreement Term Sheet summarizes the agreement that MSU has negotiated with *CavGene, LLC*. Dr. Kathy Steece-Collier is a co-founder and Chief Scientific Officer of the Entity.

cc: Board of Trustees, T. Woodruff, M. Woo, T. Jeitschko, N. Beauchamp, M. Zeig, J. Swartz, B. Quinn, L. Kriser



Office of  
**RESEARCH  
AND INNOVATION**

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[gage@msu.edu](mailto:gage@msu.edu)

## OPTION AGREEMENT TERM SHEET


<b>Party:</b>	CavGene, LLC
<b>Project Description:</b>	<p>Option agreement for an exclusive world-wide license to the patent rights of the following technology:</p> <p>TEC2020-0154, "Gene Therapy-Mediated Inhibition of CaV1.3 channels in Treatment of 1) Levodopa-induced Dyskinesia, 2) Motor Dysfunction, and 3) Disease Progression in Parkinson's disease (PD)", PCT application PCT/US2021/031167, National phase application 17/998,128 (US Application), 21800435.6 (European Application).</p> <p>The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.</p> <p>MSU and Dignity Health, d/b/a St. Joseph's Hospital and Medical Center, and Barrow Neurological Institute (BNI) jointly own the technology. Under the terms and conditions of an Interinstitutional Agreement (AGR2021-00265) executed on November 16, 2020, MSU has the right to grant exclusive licenses to the technology.</p>
<b>Term:</b>	Twelve months from the effective date of the option agreement and extendable for an additional twelve months.
<b>Payment Terms:</b>	Option Fee of \$ 1,000; additional one-year extension fee of \$ 2,000.
<b>Services Provided:</b>	<p>By MSU to CavGene, LLC: None contemplated under this agreement</p> <p>By CavGene, LLC to MSU: None contemplated under this agreement</p>
<b>Use of University Facilities/Personnel:</b>	None
<b>Organization Type:</b>	LLC, Michigan Corporation
<b>Personnel Interest:</b>	Dr. Kathy Steece-Collier, Professor in the Department of Translational Neuroscience and members of her family, own or have options to buy ownership interest of more than 1% of the company.

**MICHIGAN STATE  
UNIVERSITY**

January 25, 2023

**APPROVED**  
**FEBRUARY 10, 2023**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance  
**From:** Douglas A. Gage, Ph.D.   
Vice President for Research and Innovation  
**Subject:** Approval of Contract Terms: *Environmental Protective Coatings (dba SCOPS)*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and Environmental Protective Coatings (dba SCOPS), a Michigan limited liability company, in which MSU Associate Professor Muhammad Rabnawaz holds a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a License Agreement with Environmental Protective Coatings, consistent with earlier public notice and with a License Agreement Term Sheet now presented to the Board for inclusion in its minutes.

**BACKGROUND**

The terms of a License Agreement are now presented for Board approval. MSU is licensing exclusive patent rights for all fields of use. Dr. Rabnawaz is the science advisor to Environmental Protective Coatings. He has a 25% equity interest in the entity. The current value of this interest is less than \$5000. Dr. Rabnawaz provides feedback to Environmental Protective Coatings about commercializing MSU technologies that are the subject of pending IP agreements. His feedback as an MSU employee could affect the potential value of the entity. For MSU, Dr. Rabnawaz researches sustainable packaging systems and multifunctional coating systems (coating that is water and oil resistant and has good barrier properties).

The attached License Agreement Term Sheet summarizes the agreement that MSU has negotiated with Environmental Protective Coatings.

cc: Board of Trustees, T. Woodruff, M. Woo, T. Jeitschko, N. Beauchamp, M. Zeig, J. Swartz, B. Quinn, L. Kriser



Office of  
**RESEARCH  
AND INNOVATION**

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[gage@msu.edu](mailto:gage@msu.edu)

## LICENSE AGREEMENT TERM SHEET

**Party:** Environmental Protective Coatings, LLC

**Project Description:** MSU is licensing patent rights for omniphobic coatings, omniphobic materials and related manufacturing methods.

The parties may add or remove technologies under the agreement, including improvements, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.

**Term:** Life of the patents

**Payment Terms:** MSU will obtain equity in the company, reimbursement of patent costs, and royalties on product sales.

**Services Provided:** By MSU to company: None  
By company to MSU: None

**Use of University Facilities/Personnel:** None

**Organization Type:** Michigan Limited Liability Corporation

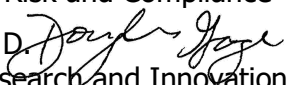
**Personnel Interest:** Dr. Rabnawaz owns greater than 1% in Environmental Protective Coatings, LLC.

**MICHIGAN STATE  
UNIVERSITY**

**APPROVED**  
**FEBRUARY 10, 2023**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

January 25, 2023

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance  
**From:** Douglas A. Gage, Ph.D.   
Vice President for Research and Innovation  
**Subject:** Approval of Contract Terms: *Great Lakes Crystal Technologies, Inc.*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and Great Lakes Crystal Technologies, Inc. (GLCT), a Michigan for-profit corporation, in which MSU professor Timothy Grotjohn holds a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an Inter-Institutional Agreement (IIA) with Great Lakes Crystal Technologies, Inc., consistent with earlier public notice and with a Term Sheet now presented to the Board for inclusion in its minutes.

**BACKGROUND**

The terms of an IIA are now presented for Board approval. Dr. Grotjohn is a tenured Professor in the Department of Electrical and Computer Engineering (ECE) and a co-founder, officer, equity holder, and technical advisor to GLCT. GLCT produces diamonds for electronic, detector, sensor, laser, X-4a7 and quantum applications. Both MSU and GLCT own intellectual property to research conducted under an SBIR grant from NASA.

The proposed IIA clarifies that GLCT will take the lead in patent prosecution, and MSU will share in the costs. Both GLCT and MSU retain all their rights to the intellectual property (IP). GLCT would choose and retain the law firm to file the application. GLCT would assure MSU that there is no conflict between the attorney representing GLCT and MSU's IP rights. During patent prosecution MSU will provide input to the application (through Tim Grotjohn and MSUT) and pay our share of the costs. GLCT becomes the primary to lead the patenting process.

The attached IIA Term Sheet summarizes the agreement that MSU has negotiated with Great Lakes Crystal Technologies, Inc.

cc: Board of Trustees, T. Woodruff, M. Woo, T. Jeitschko, N. Beauchamp, M. Zeig, J. Swartz, B. Quinn, L. Kriser



Office of  
**RESEARCH  
AND INNOVATION**

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[gage@msu.edu](mailto:gage@msu.edu)

## SERVICE AGREEMENT TERM SHEET

<b>Party:</b>	Great Lakes Crystal Technologies, Inc.
<b>Project Description:</b>	Inter-Institutional Agreement
<b>Term:</b>	Five years
<b>Payment Terms:</b>	Each party will pay 50% of the patent prosecution costs.
<b>Services Provided:</b>	By MSU to GLCT: Provide input to the application. By GLCT to MSU: GLCT will become primary patent prosecution lead.
<b>Use of University Facilities/Personnel:</b>	Dr. Grotjohn and MSUT will provide input to patent application.
<b>Organization Type:</b>	For-profit Michigan corporation
<b>Personnel Interest:</b>	Dr. Grotjohn owns over 1% of equity interest in the entity.

The parties may add or remove technologies under the agreement, including improvements, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.

**MICHIGAN STATE  
UNIVERSITY**

January 25, 2023

**APPROVED**  
**FEBRUARY 10, 2023**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

**MEMORANDUM**

**To:** Committee on Audit, Risk and Compliance  
**From:** Douglas A. Gage, Ph.D. *Douglas Gage*  
Vice President for Research and Innovation  
**Subject:** Approval of Contract Terms: *Scion Plasma, LLC*

**RECOMMENDATION**

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and Scion Plasma, LLC, a Michigan Limited Liability Company, in which MSU Associate Professor Qi Hua Fan and his family hold a financial interest.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a License agreement with Scion Plasma, LLC, consistent with earlier public notice and with a License Agreement Term Sheet now presented to the Board for inclusion in its minutes.

**BACKGROUND**

The terms of a license agreement are now presented for Board approval. MSU intends to license software copyright rights for computational simulation of plasma in physical devices to Scion. Scion Plasma, LLC, is an MSU spin-off company partly owned by Dr. Fan's spouse. The company has received a DOE grant (3/2020-10/2022) to develop the plasma source technology for solar manufacturing. Dr. Fan serves as a consultant for Scion Plasma on the DOE grant to help the company to commercialize plasma technology. His equity and income interests in the company are in the range of \$25,000 to \$100,000 a year. Dr. Richard Lunt from MSU is the PI on the award. MSU now seeks to license the technology Dr. Fan developed at MSU to Scion Plasma.

The attached License Agreement Term Sheet summarizes the agreement that MSU has negotiated with Scion Plasma, LLC.

cc: Board of Trustees, T. Woodruff, M. Woo, T. Jeitschko, N. Beauchamp, M. Zeig, J. Swartz, B. Quinn, L. Kriser



Office of  
**RESEARCH  
AND INNOVATION**

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[gage@msu.edu](mailto:gage@msu.edu)

## LICENSE AGREEMENT TERM SHEET

- Party:** Scion Plasma, LLC
- Project Description:** License agreement for:
- A. Exclusive for software copyright rights, field of use for Computational simulation of plasma in physical devices.
  - B. Software based on the ASTRA Code for Plasma Modeling Tool (TEC2019-0081)
  - C. The parties may add or remove technologies under the agreement, including improvements, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.
- Term:** This license agreement is for a term of 10 years.
- Payment Terms:** Upfront fee of \$1000 and royalties on product sales.
- Services Provided:** By MSU to Scion Plasma, LLC: None contemplated under this agreement.
- By Scion Plasma, LLC to MSU: None contemplated under this agreement.
- Use of University Facilities/Personnel:** None
- Organization Type:** LLC, Michigan Corporation
- Personnel Interest:** Dr. Qi Hua Fan, Professor in the College of Engineering, currently has ownership interest of more than 1% in the company. Additionally, Dr. Fan's spouse owns the company.