

# RESEARCH AND DEVELOPMENT DISCLOSURE REPORT

April 29, 2019 through July 19, 2019

Reason for Conflict	External Entity	Period of Performance	Project Description/Mitigation
<p>Dr. Carole Engle is an unpaid affiliated faculty member associated with the Virginia Seafood AREC. Dr. Engle's known expertise in certain aquaculture has increased the amount of AREC sponsored research with specific fish species. Dr. Engle has a business with her husband, Engle-Stone Aquatic LLC, which has been involved as a subcontractor on several proposals including the above proposed project that has been awarded. This summary is to seek approvals for this proposal and further proposals within the aggregate amount of maximum funding under this approval, \$100,000.</p>	<p>Engle-Stone Aquatic, LLC</p>	<p>06-26-19 through 06-30-20</p>	<p><b>Project Description:</b> To estimate the economic benefits by the Maryland shellfish aquaculture industry, including direct, indirect, and induced benefits.</p> <p><b>Mitigation:</b> Dr. Engle's company, Engle-Stone Aquatic, LLC, is a subcontractor on a Chesapeake Bay Foundation project titled Economic Benefits of the Maryland Shellfish Aquaculture Industry. An independent research, financial, and student oversight has been appointed to oversee this conflict of interest.</p>
	<p><b>Owner</b> Carole Engle</p>		
	<p><b>Principal Investigator</b> Dr. Jonathan van Senten</p> <p><b>Co-PI</b> Dr. Michael Schwarz</p>		
Reason for Conflict	External Entity	Period of Performance	Project Description/Mitigation
<p>Virginia Tech has received a sponsored project from GIRD Systems, Inc. The Virginia Tech project includes a subcontract to Tokay Systems, LLC. Dr. Alan Michaels, Director of Information Systems Lab at the HUME Center, has an ownership interest in Tokay Systems, LLC. His wife Ashley Michaels, not a VT employee, is CEO of Tokay Systems, LLC. The company plans to issue a contract to Virginia Tech for R&amp;D...</p>	<p>Tokay Systems, LLC</p>	<p>06-26-2019 through 05-09-20</p>	<p><b>Project Description:</b> Confidential and sensitive in nature.</p> <p><b>Mitigation:</b> Mr. Devin Ridge, research associate, in the HUME Center will serve as the lead PI of the Virginia Tech sponsored project. Mr. Ridge reports to Dr. Alan Michaels, the conflicted party, at Virginia Tech. To mitigate this conflict of interest, Dr. Jon Black, Director of the Aerospace and Ocean Systems Lab, will provide independent research oversight for this project. Dr. Black is of equal rank as Dr. Michaels, the conflicted researcher.</p>
	<p><b>Owner</b> Alan Michaels</p>		
	<p><b>Principal Investigator</b> Devin Ridge</p> <p><b>Co-PI</b> Dr. Jon Black</p>		

Reason for Conflict	External Entity	Period of Performance	Project Description/Mitigation	
<p>Virginia Tech has received a sponsored project from the Center for Innovative Technology for the Commonwealth Research Commercialization Fund (CRCF) for a project titled Precision Medicine Exosomal Drug Delivery Medtech for Heart Attack. The lead investigator is Robert Gourdie who is the founder of the company Tiny Cargo Company, formed in 2018. This company was formed based on technology Gourdie developed in his Virginia Tech lab. This technology is currently in licensing negotiations to the company and will be used in the aforementioned sponsored research project.</p> <p>Dr. Robert Gourdie is President and Chief Scientist of Tiny Cargo Company, Inc.</p>	Tiny Cargo Company	06-28-2019 through 12-31-2020	<p><b>Project Description:</b> The work will involve collaboration with University of Virginia chemical engineer, Dr. Rachel Letteri, whose expertise in making the required modifications for peptide loading in exosomes has led her and Dr. Gourdie to a new patentable matter.</p> <p><b>Mitigation:</b> A management plan for Dr. Gourdie and Sherri Cook is currently under development. This plan will be reviewed and approved by appropriate management at the department, college and the COI Officer prior to execution of the sponsored agreement.</p>	
	<b>Owner</b>			<b>Award</b>
	Robert Gourdie Sherri Cook	No money to the company/IP licensed to company is being used in Gourdie's lab on project		
	<b>Principal Investigator</b>			
	<b>Co-PI</b> TBD			
<p>Virginia Tech has received a sponsored project from the Center for Innovative Technology for the Commonwealth Research Commercialization Fund (CRCF) for a project titled Precision Medicine Exosomal Drug Delivery Medtech for Heart Attack. The lead investigator is Robert Gourdie who is the founder of the company Tiny Cargo Company, formed in 2018. This company was formed based on technology Gourdie developed in his Virginia Tech lab. This technology is currently in licensing negotiations to the company and will be used in the aforementioned sponsored research project.</p>	Tiny Cargo Company	06-28-2019 through 12-31-2020	<p><b>Project Description:</b> The work will involve collaboration with University of Virginia chemical engineer, Dr. Rachel Letteri, whose expertise in making the required modifications for peptide loading in exosomes has led her and Dr. Gourdie to a new patentable matter.</p> <p><b>Mitigation:</b> A management plan for Dr. Gourdie and Sherri Cook is currently under development. This plan will be reviewed and approved by appropriate management at the department, college and the COI Officer prior to execution of the sponsored agreement.</p>	
	<b>Owner</b>			<b>Award</b>
	Robert Gourdie Sherri Cook	No money to the company/IP licensed to company is being used in Gourdie's lab on project		
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	<b>Co-PI</b> TBD			