

**House Armed Services Committee
Wasserman Schultz, Debbie(D-FL) - Community Project Funding Requests**

ID	Request Project Name	Recipient Name	Request Member's Request (in thousands, \$000)
56	SOUTHCOM Enhanced Domain Awareness (EDA) Initiative	Florida International University	\$1,300
57	Cold Spray and Rapid Deposition Lab	Florida International University	\$1,300
58	Future Nano and Micro-Fabrication - Advanced Materials Engineering Research Institute	Florida International University	\$6,800
59	Additive Manufacturing and Ultra-High Performance Concrete	Florida International University	\$10,000
60	Neural-enabled Prosthetics	Florida International University	\$1,500
87	Connected AI for Autonomous UUV Systems	Florida Atlantic University	\$10,000
89	Persistent Maritime Surveillance	Florida Atlantic University	\$15,000
123	Drugs to Prevent and Treat Brain Injury	The Miami Project to Cure Paralysis- U of Miami	\$900
125	Combat Trauma Therapies	The Miami Project to Cure Paralysis- U of Miami	\$800

Request ID: 56			
Project Name:	SOUTHCOM Enhanced Domain Awareness (EDA) Initiative	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$1,300
Justification:	<p>Launching the EDA will complement current USG research capacity and provide U.S. leaders with innovative, unique, real-time analysis that helps advance the important goals of: promoting prosperity; enhancing security; reducing crime and gang activity; and improving governance. Specifically, such an initiative could:</p> <ul style="list-style-type: none"> • Establish a secure, virtual technology platform that facilitates information sharing. • Foster analytic exchanges between U.S. and Latin America stakeholders. • Create a shared understanding of critical security challenges facing Latin America. • Enhance U.S. and Latin American research and analytic capacities. • Cultivating future U.S. and Latin American national security workforces. • A community of thinking to promote a political culture that demands security and commitment to democracy from the institutions. • Standardized indicators and research capability that serve to monitor security and the administration of justice in the region. • Capability to monitor disinformation as it relates to USG objectives in the region. • Thought and practice partners to aid the Department of Defense in incubating and testing advancements. 		
Project Purpose:	<p>The Enhanced Domain Awareness (EDA) Initiative takes a whole of hemisphere approach, bringing together the best from across academia, government, civil society, think tanks, private sector, and multi-lateral organizations, to provide data and analytic power to support U.S. Department of Defense and partner nation decision makers with real time information and analysis. In addition to providing immediate access to a network of non-U.S. Department of Defense stakeholders, this project provides a repository of collected data, analytic tools, research, training and education, and a collaborative community that DOD can tap into for quick answers to decision-maker inquiries in areas including transnational organized crime, statistical analysis, critical infrastructure and resources, energy, environment, tropical diseases, national security, disaster risk management and much more. Specifically, this initiative will:</p> <ul style="list-style-type: none"> • Provide the department with an independent, unbiased, research partner to analyze the impact of security challenges/investments in Latin America and the Caribbean. • Enhance U.S. and Latin American research and analytic capacities. • Establish a secure, virtual technology platform that facilitates information sharing. • Foster analytic exchanges between U.S. and Latin American stakeholders. • Create a shared understanding of critical security challenges facing Latin America. • Cultivate future national security workforces. 		
Project City or County:	Miami-Dade	Project State:	FL
Recipient Name:	Florida International University	Recipient Mailing Address:	11200 SW 8 Street Miami, FL 33199

DEBBIE WASSERMAN SCHULTZ
23rd District, Florida
CHIEF DEPUTY WHIP
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Congress of the United States
House of Representatives
Washington, DC 20515

June 15, 2021

The Honorable Adam Smith
Chairman
Committee on Armed Services
U.S. House of Representatives
Washington, D.C. 20515

The Honorable Mike Rogers
Ranking Member
Committee on Armed Services
U.S. House of Representatives
Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for the SOUTHCOM Enhanced Domain Awareness (EDA) Initiative in fiscal year 2022. The entity to receive funding for this project is Florida International University located at 11200 SW 8 Street Miami, FL 33199.

The funding would establish an initiative to support U.S. Department of Defense and provide real-time information and analysis on the security challenges and investments in Latin America and the Caribbean.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 57

Project Name:	Cold Spray and Rapid Deposition Lab	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$1,300
Justification:	This funding will advance cold spray and other rapid advanced deposition techniques used in the field to aid in the repair, design and development of high-performance materials for next generation vehicles and munitions in a cost-effective and time-efficient manner.		
Project Purpose:	The purpose of the project is to build a state-of-the-art advanced manufacturing laboratory based on Cold Spray and Rapid Deposition Techniques that will advance Army Technologies and fundamental science and research. The development of high deposition structural alloys and novel additive manufacturing processing techniques from computational models is essential toward the prediction of material properties and the implementation of new structural alloys into Army weapons systems. The shift of manufacturing from the United States to China and India is a leading threat to the U.S. military advantage, according to the Defense Science Board in its "Technology and Innovation Enablers for Superiority in 2030" report. The transfer of manufacturing to foreign nations also affects U.S. technology leadership by enabling adversaries to learn a technology and then gain the capability to improve on it. An additional threat to defense capabilities from offshore manufacturing is the potential for compromise of the supply chain for key weapons systems components. The rise of technically and economically strong foreign adversaries will challenge U.S. superiority in speed, stealth and the precision of weapons systems. Other countries are likely to develop counters to some or all of the foundation technologies on which the U.S. has come to rely.		
Project City or County:	Miami-Dade	Project State:	FL
Recipient Name:	Florida International University	Recipient Mailing Address:	11200 SW 8 Street Miami, FL 33199

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Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for a Cold Spray and Rapid Deposition Lab in fiscal year 2022. The entity to receive funding for this project is Florida International University located at 11200 SW 8 Street Miami, FL 33199.

The funding would be used to build a state-of-the-art advanced manufacturing laboratory based on Cold Spray and Rapid Deposition Techniques that will advance Army Technologies and fundamental science and research.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 58			
Project Name:	Future Nano and Micro-Fabrication - Advanced Materials Engineering Research Institute	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$6,800
Justification:	This project will help moving innovations out of the university and into the marketplace and will ensure that America remains the technologically preeminent nation.		
Project Purpose:	<p>This project will enable the development of nano and micro satellites, smaller UAV platforms, future high data rate secure communication links, including 5G and space borne platforms, quantum computing materials and communications, smart materials, and nano composites with novel multi-functionalities needed for ubiquitous sensing, imaging, healthcare, infrastructure and security assessments, advanced manufacturing of future electronics and data gathering devices, agricultural and environment support, and space missions, to mention a few. Specifically, this project will benefit research in:</p> <ul style="list-style-type: none"> • 5G/6G devices, nano and micro satellites, and manufacturing automation • Metal 3D printed circuits for antenna, wearable electronics, and biomedical devices • Compact, high performance, real-time millimeter wave camera system for airport and public area security • Non-fossil fuel energy materials and devices • Quantum computing materials 		
Project City or County:	Miami-Dade	Project State:	FL
Recipient Name:	Florida International University	Recipient Mailing Address:	11200 SW 8 Street Miami, FL 33199

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Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for the Future Nano and Micro-Fabrication Advanced Materials Engineering Research Institute in fiscal year 2022. The entity to receive funding for this project is Florida International University located at 11200 SW 8 Street Miami, FL 33199.

The funding would be used for future research and training on use of nano and microfabrication equipment across all areas of manufacturing, including additive and hybrid manufacturing.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 59

Project Name:	Additive Manufacturing and Ultra-High Performance Concrete	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$10,000
Justification:	Fortifying our country's military installations must be a top priority as extreme events and shifts in environmental conditions pose real threats to military readiness and response capabilities. This research can provide solutions to government and industry problems from wind, storm surge, and rising sea level impacts on housing, infrastructure, and transportation systems.		
Project Purpose:	<p>By accelerating Additive Manufacturing, Engineering and related solutions for aging infrastructure and vulnerable installations, the Department of Defense can ensure that installations are defense-ready and meeting the needs of our troops.</p> <ul style="list-style-type: none"> o Additive Manufacturing's (AM) ability to produce customized lightweight materials and parts is already enabling the creation of new military technologies that significantly strengthen U.S. defensive capabilities. o The need exists to accelerate the development of advanced additive manufacturing (3D Printing) methods and equipment, with focus on the built defense environment. 3D printing techniques are being used to construct innovative bridge systems and housing components in manners that minimize the traffic interruption and enhances the public and consumer safety and hold the promise to effectively meet a great need for DOD. o This would also address the need for resilient structures with shifting threats to our climate, as analyzed in the 2016 Report "Regional Sea Level Scenarios for Coastal Risk Management, prepared by the Coastal Assessment Regional Scenario Working Group. 		
Project City or County:	Miami-Dade	Project State:	FL
Recipient Name:	Florida International University	Recipient Mailing Address:	11200 SW 8 Street Miami, FL 33199

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Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for Additive Manufacturing and Ultra-High Performance Concrete Research in fiscal year 2022. The entity to receive funding for this project is Florida International University located at 11200 SW 8 Street Miami, FL 33199.

The funding would be used for research into the development of resilient building and related technologies that can provide solutions to government and industry problems from wind, storm surge, and rising sea level impacts on housing, infrastructure, and transportation systems.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 60			
Project Name:	Neural-enabled Prosthetics	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$1,500
Justification:	This request will allow FIU to support the Department of Defense's mission in meeting the needs and improving the quality of life of our servicemembers. Our researchers are leaders in this space and have been successful in restoring sensation and activation of the nervous system. Beyond the 1.5 million veterans in the South Florida community and nearly 20 million veterans nationwide, this request will also benefit thousands more Americans impacted by limb loss. Restoring sensation will mean a better of quality of life for all amputees.		
Project Purpose:	<p>This project will develop wearable soft-robotic technology and advancements to our patent-pending system for non-invasive electrical stimulation of peripheral-nerves to provide intuitive haptic feedback during manipulation and interactions within virtual, augmented, remote, and real-world environments. Without the cumbersome restrictions of traditional haptic hardware, the human-machine interaction offered by advanced technologies will allow vastly improved social interactions within virtual worlds, realistic human-machine interactions in gaming, training and readiness of soldiers for remote control of unmanned aerial and terrestrial vehicles designed to minimize risk to civilian and military personnel during unsafe activities such as emergency rescue and firefighting missions or transportation and disposal of explosives or dangerous substances, and for robotic surgical procedures and rehabilitation training after neurological trauma. Specific, project objections include:</p> <ul style="list-style-type: none"> • Delivering haptic feedback for teleoperation of complex surgical robotic devices, as well as remote control of unmanned aerial and terrestrial vehicles designed to minimize risk to civilian and military personnel during unsafe activities from emergency rescue, and firefighting missions, to transport and disposal of explosives or dangerous substances. • For individuals with amputation, replacement haptic feedback in accordance with the stimulation technology could be implemented in training environments to help improve the functionality of prosthetic limbs, enabling them to classify the physical properties of different objects, and perform fine control of grasp force outputs without the need for visual or auditory feedback. • Creating enhanced situational awareness of soldiers operating in the battlefield. 		
Project City or County:	Miami-Dade	Project State:	FL
Recipient Name:	Florida International University	Recipient Mailing Address:	11200 SW 8 Street Miami, FL 33199

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Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for Neural-enabled Prosthetics Research in fiscal year 2022. The entity to receive funding for this project is Florida International University located at 11200 SW 8 Street Miami, FL 33199.

The funding would be used to fund research that aims to improve the quality of life of our servicemembers impacted by limb loss by restoring sensation and activation of the nervous system.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 87			
Project Name:	Connected AI for Autonomous UUV Systems	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$10,000
Justification:	These investments will greatly improve relevant test infrastructure, accessibility, and system developer operations that will foster competition, validate requirements and decrease future Navy acquisition costs.		
Project Purpose:	<p>The project address a gap in Navy needs for (i) data conformity and quality evaluation for AS training and real-time operation; (ii) connected/networked autonomous agents for real autonomous missions; and (iii) test and evaluation at scale for real naval surveillance and other defense missions.</p> <p>High-confidence test and evaluation will be carried out to build acceptable levels of operator trust in critical Naval missions where the consequences of error can be severe. AI-enabled systems may become vulnerable to unique forms of manipulation. Currently, there is no solution for assessing and evaluating data conformity and data quality (validity, completeness and pertinence) for AI/AS training and real-time operation. To build trust for the performance of the autonomous vehicles in the field, there needs to be demonstrated measurable performance in real environments.</p>		
Project City or County:	Boca Raton	Project State:	FL
Recipient Name:	Florida Atlantic University	Recipient Mailing Address:	777 Glades Road, Boca Raton, FL 33431

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23rd District, Florida
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The Honorable Mike Rogers
Ranking Member
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U.S. House of Representatives
Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for Connected AI for Autonomous Unmanned Underwater Vehicle (UUV) Systems in fiscal year 2022. The entity to receive funding for this project is Florida Atlantic University located at 777 Glades Road, Boca Raton, FL 33431.

The funding would be used to create a unique Navy capability by evaluating fleets of UUVs with autonomous operation capability and sustained connectivity to enable connected autonomy for team AI missions and operations.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 89			
Project Name:	Persistent Maritime Surveillance	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$15,000
Justification:	<p>The evolution of Naval warfare in a time of rapid technical advancement, increased requirements to project warfare into the littoral domain including expeditionary and special warfare, and expansion of adversaries from major states to include minor states as well as terrorist actors requires the Navy to focus on situational awareness at enhanced temporal and spatial resolution. Waterborne threats that include divers, diver deployment vehicles, autonomous underwater and semi-submersible vehicles, mini-sub, submarines, and highly lethal submerged mines form a substantial window of vulnerability for naval assets. With an everchanging climate including sea-level rise and increasing extreme weather, coastal dynamics are altered and provide new challenges for navigation and operations. These perils overseas are paralleled by equivalent threats to the U.S. homeland. Specifically, there is a need for persistent operation of a surveillance network with agile mobilization capabilities to provide short to long range detection, tracking, localization, and identification (DTLI) for such threats. The Navy's 2016 30-year R&D plan identified Persistent Surveillance as a focus area requiring the highest level of attention and coordination.</p>		
Project Purpose:	<p>This project will continue development enabling remote surveillance of maritime environments from nanosatellites, CubeSats, small satellites, and high-altitude long endurance (HALE) drones for the Navy. Deliverables will include integrated satellite/airborne remote sensing systems, new data products, research advancing persistent maritime surveillance, and enhancing Navy environmental and related climate change modeling needs.</p>		
Project City or County:	Boca Raton	Project State:	FL
Recipient Name:	Florida Atlantic University	Recipient Mailing Address:	777 Glades Road, Boca Raton, FL 33431

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The Honorable Mike Rogers
 Ranking Member
 Committee on Armed Services
 U.S. House of Representatives
 Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for Persistent Maritime Surveillance research in fiscal year 2022. The entity to receive funding for this project is Florida Atlantic University located at 777 Glades Road, Boca Raton, FL 33431.

The funding will continue research enabling remote surveillance of maritime environments from nanosatellites, CubeSats, small satellites, and high-altitude long endurance (HALE) drones for the Navy.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
 Member of Congress

Request ID: 123			
Project Name:	Drugs to Prevent and Treat Brain Injury	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$900
Justification:	<p>It is recognized that some traumatic brain injuries have persistent, and sometimes progressive, long-term debilitating effects. Increasing evidence suggests that a single traumatic brain injury can produce precipitate or accelerate age-related neurodegeneration, and increase the risk of developing Alzheimer's disease, Parkinson's disease, and motor neuron disease.</p> <p>The ultimate goal of The Miami Project's drug discovery program is to identify new drugs that will regenerate or protect nerves after brain injury. Despite decades of research and billions of NIH dollars spent, there are still no approved drugs for promoting axon regeneration. However, Miami Project scientists have just discovered the first therapeutic candidate, in the form of a small molecule, which can simultaneously address both sources of regeneration failure that has never been done before. The goal is to advance this towards a Phase I clinical trial.</p> <p>In addition, Miami Project scientists are combining two powerful drug discovery technologies to uncover novel components of the immune system that can be targeted by new drugs to effectively block inflammation in the brain. This groundbreaking research is laying the foundation for the advancement of new drugs and trials.</p> <p>Miami Project researchers are continuing to expand the high content screening (HCS) and testing of available libraries containing 100's to 1000's of chemicals, small molecules, and small interfering RNA's (siRNA's) will lead to the identification of novel strategies to reduce cell death and improve axonal regeneration. The Miami Project has tested more than 440 million compounds that have been approved for other diseases to see if they will work in preventing and protecting the brain after injury.</p>		
Project Purpose:	<p>These funds would be used to study the battlefield injuries of returning veterans and active military members as well as non-military patients.</p> <p>Miami Project researchers are currently conducting clinical studies and trials in traumatic brain and spinal cord injury, including testing neuroprotective strategies, cellular therapies using Schwann cell and stem cell transplantation and advanced rehabilitation and neuromodulation approaches including the use of brain machine interface technologies. Many of these therapies have the ability to potentially treat traumatic brain and spinal cord injuries as well as other neurological diseases.</p> <p>In The Miami Project's drug discovery and development program, scientists are utilizing state-of-the-art imaging and drug discovery approaches to identify and test compounds that reduce harmful inflammatory mechanisms, improve circuit function, and enhance regeneration of nerve fibers. Scientists are working to understand the signaling pathways that regulate axon growth and identifying components of those pathways that can be targeted with drugs to induce robust axon regeneration and repair of the injured Central Nervous System for traumatic brain injury, spinal cord injury and stroke.</p>		
Project City or County:	Miami	Project State:	FL
Recipient Name:	The Miami Project to Cure Paralysis- U of Miami	Recipient Mailing Address:	1095 NW 14th Terrace, Miami, FL 33136

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23RD DISTRICT, FLORIDA
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Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for research on drugs to prevent and treat brain injury (TBI) in fiscal year 2022. The entity to receive funding for this project is The Miami Project to Cure Paralysis – University of Miami located at 1095 NW 14th Terrace, Miami, FL 33136.

The funding would be used to study the battlefield injuries of returning veterans, active military members, and non-military patients in order to identify new drugs that will regenerate or protect nerves after brain injury.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress

Request ID: 125			
Project Name:	Combat Trauma Therapies	Request Nature:	Community Project Funding
Member Name:	Wasserman Schultz, Debbie(D-FL)	Member's Request: (in thousands, \$000)	\$800
Justification:	Through additional investment in the research, the long-term results will yield new treatments, therapies, and drugs to protect the lives of our injured soldiers who have suffered traumatic brain and spinal cord injuries.		
Project Purpose:	<p>In The Miami Project's drug discovery and development program, scientists are utilizing state-of-the-art imaging and drug discovery approaches to identify and test compounds that reduce harmful inflammatory mechanisms, improve circuit function, and enhance regeneration of nerve fibers. Scientists are working to understand the signaling pathways that regulate axon growth and identifying components of those pathways that can be targeted with drugs to induce robust axon regeneration and repair of the injured Central Nervous System for traumatic brain injury, spinal cord injury and stroke.</p> <p>These funds will be used for the continued research into traumatic brain and spinal cord injuries and their treatments as part of the Project Battlefield and Combat Related Traumatic Brain and Spinal Cord Injury Research program. These funds would be used to study the battlefield injuries of returning veterans and active military members as well as non-military patients.</p>		
Project City or County:	Miami	Project State:	DC
Recipient Name:	The Miami Project to Cure Paralysis- U of Miami	Recipient Mailing Address:	1095 NW 14th Terrace, Miami, FL 33136

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The Honorable Mike Rogers
Ranking Member
Committee on Armed Services
U.S. House of Representatives
Washington, D.C. 20515

Dear Chairman Smith and Ranking Member Rogers:

I am requesting funding for research on drugs to prevent and treat brain injury (TBI) in fiscal year 2022. The entity to receive funding for this project is The Miami Project to Cure Paralysis – University of Miami located at 1095 NW 14th Terrace, Miami, FL 33136.

The funding would used to research new treatments, therapies, and drugs to protect the lives of our injured soldiers who have suffered traumatic brain and spinal cord injuries.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,

Debbie Wasserman Schultz
Member of Congress