



# FORWARD

Research & Innovation Summit

# 2018

Saturday, November 10, 2018 @ Sheraton Convention Center



RESEARCH

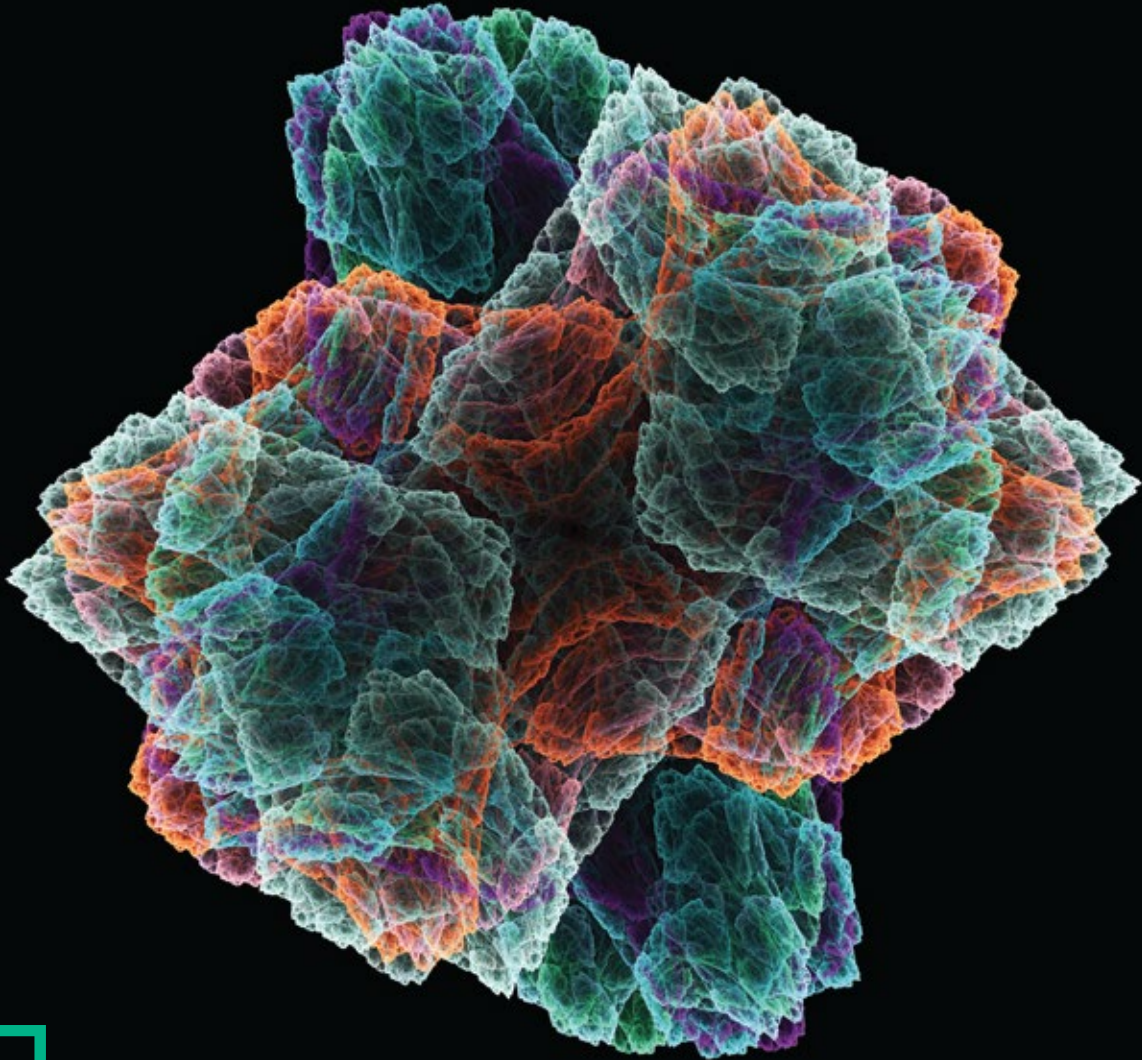


TECHNOLOGY



ENTREPRENEURSHIP

# Accelerating Innovation with next generation solutions



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# Welcome to the



We are pleased to welcome you to the second edition of the Forward Research & Innovation Summit, the most important event of the Puerto Rico Science, Technology and Research Trust.

Forward means to advance, moving ahead, progressing. To move forward and transform Puerto Rico into a global innovation hub, we have been promoting encounters and innovative collaborations among the different sectors that are crucial for the island's economic development through science and technology.

At this important historical moment for our country when the recovery is linked with research & development, innovation and state-of-the-art technology, we present stellar speakers who will show you first hand all of these.

In a full day of talks, panels and workshops you will meet over 50 speakers covering topics such as design thinking, resilience through innovation, bio-economy, virtual

reality, vertical farming, creative industries, frugal science and more. We have exhibitions and plenty of networking opportunities for you. Also, we have more than 125 poster presentations, investors, researchers, entrepreneurs, students and enterprises plus more than 10 hours of premium content event!

Discover new research projects, listen to the speakers, meet the startups and their stories, expand your network, create new partnerships, find mentors, and learn about investment opportunities. We hope that the stellar speakers and mentors of today's agenda will leave you excited about the progress of science and technology in Puerto Rico. The Trust's mission is to invest, facilitate and build capacity to continually advance Puerto Rico's economy and its citizens' well-being through innovation-driven enterprises, science and technology and its industrial base. That is exactly what we plan to do for Puerto Rico with your collaboration.

## Table of Contents

Agenda	3-6
Speakers	7-12
Planning Committee	13
Sponsors	14-16



*I hope to greet you personally,*

**Lucy Crespo**

Chief Executive Officer



Puerto Rico  
Science, Technology  
& Research Trust

AGENDA	Research & Development	Innovation & Technology	Entrepreneurship
	SAN JUAN BALLROOM	LAGUNA ROOM	BAHIA ROOM
9:00AM	<b>OPENING REMARKS</b> by Gualberto (Gil) Medina, Executive Vice President at CBRE Trustee of the Puerto Rico Science, Technology & Research Trust <b>SAN JUAN BALLROOM</b>		
9:10AM	<b>WELCOME &amp; FORWARD SUMMIT INTRODUCTION</b> by Luz A. Crespo, CEO Puerto Rico Science, Technology & Research Trust <b>SAN JUAN BALLROOM</b>		
9:15AM	<b>"Innovation in Medtronic"</b> by Felix Negrón, Vice president, Medtronic Puerto Rico Operations Company"		
9:37AM	<b>"Resilience Through Innovation in Education"</b> by Ada Monzón, Meteorologist & President, Board of Directors, EcoExploratorio: Museo de Ciencias de Puerto Rico"	<b>"Southeast XLERator Network"</b> by Eugene Krentsel, PhD, CSO, XLERateHealth	Taller: ¿Cómo comienzo?  <b>"Design thinking (práctica)"</b> by Angiemillie Latorre, Co-founder, SeriouslyCreative
9:59AM	<b>"Applying 3D Printing Research in Puerto Rico"</b> by Samantha Snabes, Co-founder, re:3D	<b>"The Network in Puerto Rico"</b> by David Gulley, PhD, Director, Technology Transfer Office, Puerto Rico Science, Technology & Research Trust	<b>"¿Cómo conseguir tu socio?"</b> by Carlos Acosta, Mentor-in-residence, Parallel18 <b>"Business Model Canvas"</b> by Javier de Jesus, Executive Director, Neeuko Center for Collaborative Innovation of the Universidad del Sagrado Corazón <b>"Validación/ MVP"</b> by Charlie Fuentes, Co-founder / CPO, StageBoom
10:21AM	<b>"Destination bioeconomy - the smart path towards a more sustainable future"</b> by Pete Madden, President and CEO (until July 2018) of Drax Biomass Inc, Bioenergy-Forest Products and member of the Biomass R&D Technical Advisory Committee (DoE)"	<b>"The Puerto Rico Network Partners"</b> by Carlos Baez, PhD, Technology Manager, Technology Transfer Office, Puerto Rico Science, Technology & Research Trust; Lillian Pintado, AuD, Interim Associate Vice Chancellor for Graduate Studies and Research, Ana G. Mendez University System, University of Turabo; Kenira Thompson, PhD Vice President for Research, Ponce Health Sciences University, President, Ponce Research Institute; and Emma Fernandez, PhD, Professor and Executive Director, Center for Collaborative Research in Health Disparities, University of Puerto Rico, Medical Sciences Campus	<b>"Tipo de entidad y permisos"</b> by Jaymarie Correa, Director, Permiso SOS

AGENDA	Research & Development	Innovation & Technology	Entrepreneurship
	SAN JUAN BALLROOM	LAGUNA ROOM	BAHIA ROOM
10:43AM	COFFEE & NETWORKING BREAK/POSTER SESSION		
11:30AM	<b>"Bioeconomy in Puerto Rico: opportunities and challenges"</b> by Carola Schropp, Founder, EBD Group; Brian Healy, CEO and Co-Founder, Organic Power; and, Manuel Laboy, Hon. Secretary of the Department of Economic Development and Commerce (DEDC)	<b>"A Conversation on Alternative Communication Technology for Disaster Response"</b> by Javier Malavé, Technology Consultant, Puerto Rico, Science, Technology and Research Trust; Dan De Grazia, Chief Data Scientist Open Source Ecosystem, IBM; D.A. Kouns, Operations Chief, ITDRC - Puerto Rico; and Ruth Silva, Business Application Lead, Tres Monjitas	<b>Taller: ¿Cómo me Mercadeo?</b>  <b>"17 million to fail"</b> by Juan Pablo Dulanto, Entrepreneur in Residence, 500 Startups LatAm  <b>"WordStream"</b> by Francine Rodriguez, Manager of Customer Success, WordStream
11:52AM	<b>"Sustaining High Performing Teams"</b> by Stephanie Berger, Director Quality and Training, Puerto Rico Consortium for Clinical Investigation Puerto Rico Science, Technology & Research Trust	<b>"From Survivors to Leaders: PR codes for the world"</b> by Dan De Grazia, Chief Data, Scientist Open Source Ecosystem IBM	
12:14PM	<b>"Accelerating innovation with next generation solutions"</b> by Ismael Hernández Services Sales Executive, Hewlett Packard Enterprise	<b>"Showcase Panel: Puerto Rico Hackathons 2018"</b> by Jose Quiñones, President, Obsidis Consortia; and Javier Malavé, Technology Consultant, Puerto Rico, Science, Technology and Research Trust	
12:43PM	<b>Keynote Speaker. Manu Prakash, PhD;</b> Associate Professor of Bioengineering, Stanford University, Co-Founder, Board Member, Foldscope Instruments, Inc.		
1:30PM	<b>BAJARI RECOGNITION LUNCH</b>		
	<b>SAN JUAN BALLROOM</b>		
	<b>SAN JUAN BALLROOM</b>		

AGENDA	Research & Development	Innovation & Technology	Entrepreneurship
	SAN JUAN BALLROOM	LAGUNA ROOM	BAHIA ROOM
2:40PM	<b>"El Estudio PROSPECT: investigando y reduciendo las enfermedades crónicas en Puerto Rico"</b> by Josiemer Mattei, PhD; Assistant Professor of Nutrition, Harvard T.H. Chan School of Public Health		
	SAN JUAN BALLROOM		
3:02PM	<b>"Implementing Institutional Policies to Foster R&amp;D"</b> by Ubaldo Córdova, PhD; Interim Vice President University of Puerto Rico	<b>"Cultural Heritage: Recreating History in Virtual Reality"</b> by Robert Cloutier, Founder, Digital History Studios	<b>Taller: ¿Cómo encuentro financiamiento?</b>  <b>"¿Cómo sé que estoy listo para capital? / Market intro"</b> by Antonio Rivera, Program Manager, Guayacan, Inc.
3:24PM	<b>"BioE at UPRM: Engineering the Future of Medicine"</b> by Maribella Domenech, PhD; Associate Professor, University of Puerto Rico– Mayaguez, Department of Chemical Engineering	<b>"Addressing Emergencies: Lessons from Maria"</b> by Raul Rios-Diaz, iCASA PR-Digital Media Creations; Jon Sperling, PhD; GIS Specialist; Marc Berryman, Emergency System /GIS Project Manager; and Steve J. Hailey, Response Innovation Lab	<b>"Roll out capital"</b> by Sebastian Vidal, Executive Director, Parallel18  <b>"Growth capital"</b> by Giovanna Piovannetti, Executive President, Lendreams
3:46PM	<b>"Vertical Farming - A New Paradigm for Food System Resilience in the Caribbean"</b> by Sam Schatz, Managing Director of Corporate Development and Head of Global Farm Development AeroFarms	<b>"Financing Early-Stage and Growth in Science &amp; Technology"</b> by Carole Bellis, Partner, Kilpatrick Townsend & Stockton LLP	<b>"Expansion capital"</b> by Allison Kern, Partner, Morro Ventures <b>"Proof of concept capital"</b> by Valentina Pirazzi, Director, Center for Innovation & Technology of the Puerto Rico Small Business and Technology Development Centers  <b>"Access to R&amp;D Grants"</b> by Andreica Maldonado, Grants Program Manager, Puerto Rico Science, Technology & Research Trust
4:08PM	NETWORKING BREAK "BRAIN DATES"/POSTER SESSION/SBIR-STTR MATCHMAKING		



AGENDA	Research & Development	Innovation & Technology	Entrepreneurship
	SAN JUAN BALLROOM	LAGUNA ROOM	BAHIA ROOM
5:10PM	<b>"Exploring Science Data with Immersive Technologies at NASA"</b> by Shayna Skolnik, Co-founder, Navteca & Eddie Gonzales, Principal of STEM Engagement for Diversity and Minorities, NASA Goddard Space Flight Center"	<b>"The Sky is the Limit with UTC Aerospace Systems"</b> by Luis Vargas Rodríguez Sr. Manager Engineering – Mechanical Site, UTC Aerospace Systems & Orlando Rosado Nieves, Operational Excellence Manager – Electronics, UTC Aerospace Systems	<b>"Puerto Rico Creativo '18"</b> by Dyanis de Jesús Creative Strategist By Design
5:32PM		<b>Integración de Sistemas de Información Geográfica (GIS)</b> by Cesar Piovanetti IT Architect & Spatial Platforms Engineer Puerto Rico, Science, Technology and Research Trust	
5:54PM	<b>Forward Summit Overview and Closing Remarks</b> by Alfredo Casta, Founder and Chairman of Cascades Technologies, Inc. (CTi); Trustee of the Puerto Rico Science, Technology & Research Trust		
6:00PM	<b>CLOSING COCKTAIL</b> by Rums of Puerto Rico		

# BAJARÍ

## Outstanding Researcher Award

Bajarí, a word from the Taíno dialect, means high distinction and represents the path that researchers follow to innovate and achieve high distinctions in their fields.

The award was designed by a student from the Escuela de Artes Plásticas y Diseño de Puerto Rico. The Bajarí Award was manufactured in México by the sculptor Luz Badillo.



## Speakers > Research

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### **Ada Monzón**

Meteorologist; President, Board of Directors EcoExploratorio: Museo de Ciencias de Puerto Rico  
“Resilience Through Innovation in Education”



### **Brian Healy**

CEO and Co-Founder; Organic Power  
“Bioeconomy in Puerto Rico: opportunities and challenges”



### **Carola Schropp**

Founder; EBD Group  
“Bioeconomy in Puerto Rico: opportunities and challenges”



### **Eddie Gonzales**

Principal of STEM Engagement for Diversity and Minorities; NASA Goddard Space Flight Center  
“Exploring Science Data with Immersive Technologies at NASA”



### **Felix Negrón**

Vice president; Medtronic Puerto Rico Operations Company  
“Innovation in Medtronic”



### **Ismael Hernandez**

Services Sales Executive; Hewlett Packard Enterprise  
“Accelerating innovation with next generation solutions”



### **Josiemer Mattei, PhD**

Assistant Professor of Nutrition; Harvard T.H. Chan School of Public Health  
“El Estudio PROSPECT: investigando y reduciendo las enfermedades crónicas en Puerto Rico”



### **Manu Prakash, PhD**

Associate Professor of Bioengineering, Stanford University; Co-Founder, Board Member, Foldscope Instruments, Inc.  
“Frugal Science In The Age Of Curiosity”

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# Research



# Speakers > Research

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## **Manuel Laboy**

Hon. Secretary of the Department of Economic Development and Commerce (DEDC)  
"Bioeconomy in Puerto Rico: opportunities and challenges"



## **Maribella Domenech, PhD**

Associate Professor; University of Puerto Rico – Mayaguez; Department of Chemical Engineering  
"BioE at UPRM: Engineering the Future of Medicine"



## **Pete Madden**

Member of the Biomass R&D Technical Advisory Committee (DoE)  
"Destination bioeconomy - the smart path towards a more sustainable future"



## **Sam Schatz**

Managing Director of Corporate Development and Head of Global Farm Development; AeroFarms  
"Vertical Farming - A New Paradigm for Food System Resilience in the Caribbean"



## **Samantha Snabes**

Co-founder; re:3D  
"Applying 3D Printing Research in Puerto Rico"



## **Shayna Skolnik**

Co-founder; Navteca  
"Exploring Science Data with Immersive Technologies at NASA"



## **Stephanie Berger**

Director Quality and Training, Puerto Rico Consortium for Clinical Investigation; Puerto Rico Science, Technology & Research Trust  
"Sustaining High Performing Teams"



## **Ubaldo Córdova, PhD**

Interim Vice President; University of Puerto Rico  
"Implementing Institutional Policies to Foster R&D"

# Research

# Speakers > Innovation

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**Carlos Baez, PhD**

Technology Manager, Technology Transfer Office; Puerto Rico Science, Technology & Research Trust  
“The Puerto Rico Network Partners”



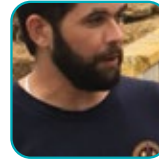
**Carole Bellis**

Partner; Kilpatrick Townsend & Stockton LLP  
“Financing Early-Stage and Growth in Science & Technology”



**Cesar Piovannetti**

IT Architect & Spatial Platforms Engineer of the Puerto Rico Vector Control Unit (PRVCU)  
“Integración de Sistemas de Información Geográfica (GIS)”



**D.A. Kouns**

Operations Chief; ITDRC - Puerto Rico  
“A Conversation on Alternative Communication Technology for Disaster Response”



**Dan De Grazia**

Chief Data Scientist Open Source Ecosystem; IBM  
“From Survivors to Leaders: PR codes for the world” & “A Conversation on Alternative Communication Technology for Disaster Response”



**David Gulley, PhD**

Director, Technology Transfer Office; Puerto Rico Science, Technology & Research Trust  
“The Network in Puerto Rico”



**Emma Fernandez, PhD**

Professor and Executive Director, Center for Collaborative Research in Health Disparities; University of Puerto Rico, Medical S  
“The Puerto Rico Network Partners”



**Eugene Krentsel, PhD**

CSO; XLateHealth  
“Southeast XLateHealth Network”



**Javier Malavé**

Technology Consultant; Puerto Rico, Science, Technology and Research Trust  
“A Conversation on Alternative Communication Technology for Disaster Response” & “Showcase Panel: Puerto Rico Hackathons 2018”



**Jon Sperling, PhD**

GIS Specialist  
“Addressing Emergencies: Lessons from Maria”

# Speakers > Innovation

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**Jose Quiñones**

President ; Obsidis Consortia  
"Showcase Panel: Puerto Rico  
Hackathons 2018"



**Kenira Thompson, PhD**

Vice President for Research,  
Ponce Health Sciences University;  
President, Ponce Research  
Institute  
"The Puerto Rico Network  
Partners"



**Lillian Pintado, AuD**

Interim Associate Vice Chancellor for  
Graduate Studies and Research; Ana G.  
Mendez University System, University  
of Turabo  
"The Puerto Rico Network Partners"



**Luis Vargas Rodríguez**

Sr. Manager Engineering –  
Mechanical Site; UTC Aerospace  
Systems  
"The Sky is the Limit" with UTC  
Aerospace Systems



**Marc Berryman**

Emergency System /GIS Project Manager  
"Addressing Emergencies: Lessons from  
Maria"



**Orlando Rosado Nieves**

Operational Excellence Manager –  
Electronics; UTC Aerospace Systems  
"The Sky is the Limit" with UTC  
Aerospace Systems



**Raúl Ríos-Díaz**

iCASA PR-Digital Media Creations  
"Addressing Emergencies: Lessons from  
Maria"



**Robert Cloutier**

Founder; Digital History Studios  
"Cultural Heritage: Recreating  
History in Virtual Reality"



**Ruth Silva**

Business Application Lead; Tres Monjitas  
"A Conversation on Alternative  
Communication Technology for Disaster  
Response"

# Innovation

## Speakers > Entrepreneurship

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**Allison Kern**

Partner; Morro Ventures  
“¿Cómo encuentro financiamiento?:  
Expansion capital”



**Andreica Maldonado**

Grants Program Manager;  
Puerto Rico Science,  
Technology & Research Trust  
“¿Cómo encuentro  
financiamiento?: Access to  
R&D Grants”



**Angiemillie Latorre**

Co-founder; SeriouslyCreative  
“¿Cómo comienzo?: Design thinking  
(práctica)”



**Carlos Acosta**

Mentor-in-residence; Parallel18  
“¿Cómo comienzo?: Cómo  
conseguir tu socio”



**Charlie Fuentes**

Co-founder / CPO; StageBoom  
“¿Cómo comienzo?: Validación/  
MVP”



**Dyanis de Jesús**

Creative Strategist;  
ByDesign  
“Puerto Rico Creativo ‘18”



**Francine Rodriguez**

Manager of Customer Success;  
WordStream  
“¿Cómo me mercadeo?:  
WordStream”

# — Entrepreneurship

## Speakers > Entrepreneurship

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**Giovanna Piovanetti**

Executive President;  
Lendreams  
“¿Cómo encuentro  
financiamiento?: Growth  
capital”



**Javier de Jesus**

Executive Director Neeuko Center  
for Collaborative Innovation of the  
Universidad del Sagrado Corazon  
“¿Cómo comienzo? : Business  
Model Canvas”



**Jaymarie Correa**

Director; Permiso SOS  
“¿Cómo comienzo?: Tipo  
de entidad y permisos”



**Juan Pablo Dulanto**

Entrepreneur in Residence; 500  
Startups LatAm  
“¿Cómo me Mercadeo?: 17 million  
to fail”



**Antonio Rivera**

Program Manager; Guayacan, Inc.  
“¿Cómo encuentro financiamiento?:  
¿Cómo sé que estoy listo para capital?  
/ Market intro”



**Sebastian Vidal**

Executive Director ; Parallel18  
“¿Cómo encuentro  
financiamiento?: Roll out capital”



**Valentina Pirazzi**

Director; Center for Innovation &  
Technology of the Puerto Rico Small  
Business and Technology Development  
Centers  
“¿Cómo encuentro financiamiento?: Proof  
of concept capital”

# Entrepreneurship

# Planning Committee



Andreica Maldonado  
Grants Program Manager  
Research Grants Program



Grace M. Rendón  
Grants Program Specialist  
Research Grants Program



Lupe Vazquez  
Chief Marketing &  
Communications Officer



Natasha DeLeon-Rodriguez, PhD  
Community Education Program  
Supervisor  
Puerto Rico Vector Control Unit



Abel Baerga, PhD  
Acting Director  
Center for Tropical Biodiversity



Denisse Rodríguez  
Director  
Colmena66



David Gulley, PhD  
Director  
Technology Transfer Office



Adriana Cabal  
Network Navigator  
Colmena66



Raúl Ríos  
iCASA PR-Digital Media Creations



Javier Malavé  
Technology Consultant



Carlos Baéz, PhD  
Technology Manager  
Technology Transfer Office



Alexander Morales  
Lead Graphic Designer



Jan Paul Marrero  
Social Media Manager/Designer



Joan Santos  
Grants Program Intern  
Research Grants Program



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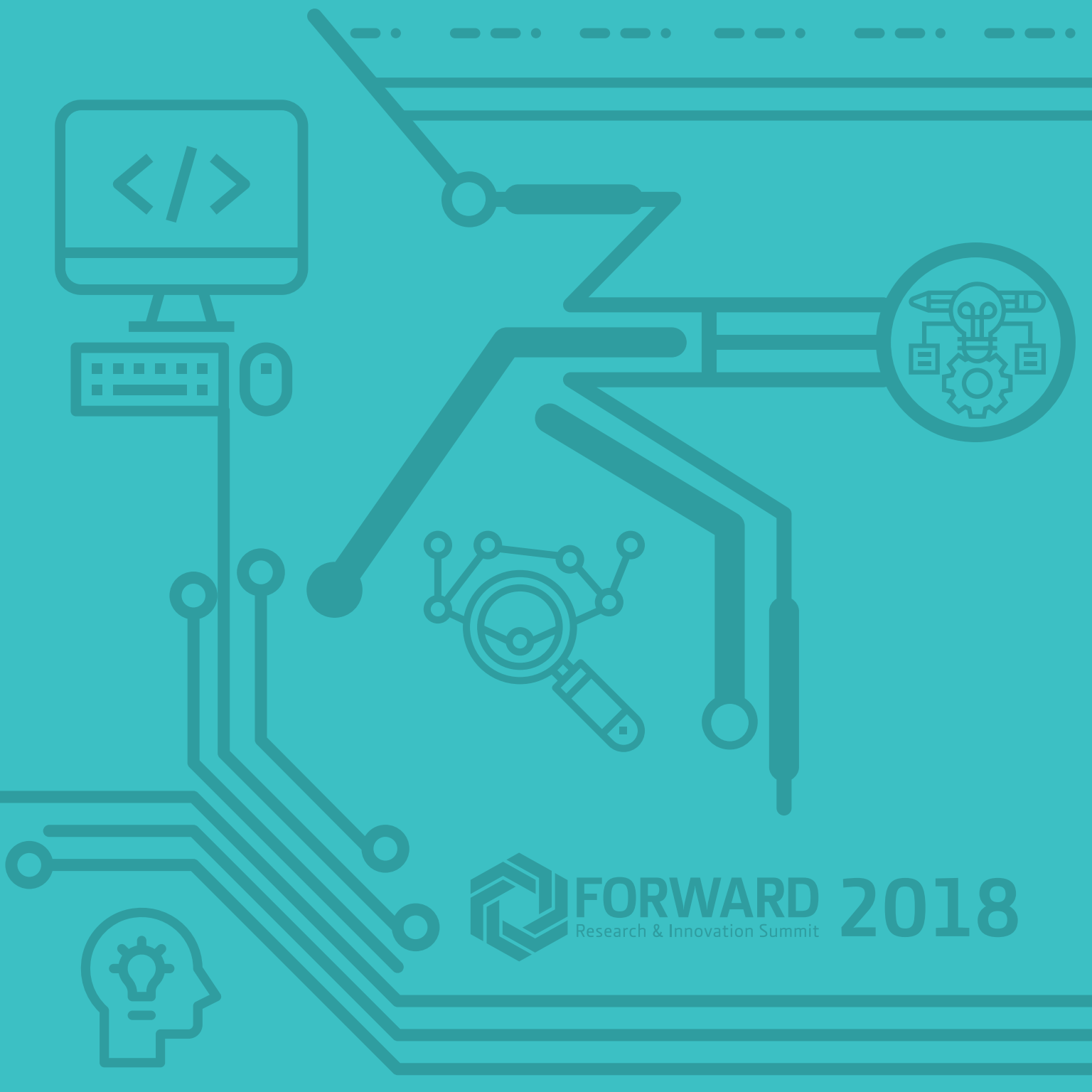
CienciaPR.org



Merck Puerto Rico is proud to support and share in the Puerto Rico's Science Technology and Research Trust commitment to encouraging and promoting innovation in science, research and technology.

At Merck, we have always been and always will be inventing, and we do it for the single greatest purpose: Life.

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INVENTING FOR LIFE



**FORWARD**  
Research & Innovation Summit

**2018**