Accelerating Innovation with next generation solutions

Hewlett Packard Enterprise
Welcome to the
FORWARD
Research & Innovation Summit 2018

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.

I hope to greet you personally,
Lucy Crespo
Chief Executive Officer

Puerto Rico Science, Technology & Research Trust
<table>
<thead>
<tr>
<th>Time</th>
<th>SAN JUAN BALLROOM</th>
<th>LAGUNA ROOM</th>
<th>BAHIA ROOM</th>
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<tbody>
<tr>
<td>9:00AM</td>
<td><strong>OPENING REMARKS</strong> by Gualberto (Gil) Medina, Executive Vice President at CBRE</td>
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<td>Trustee of the Puerto Rico Science, Technology &amp; Research Trust</td>
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<td>9:10AM</td>
<td><strong>WELCOME &amp; FORWARD SUMMIT INTRODUCTION</strong> by Luz A. Crespo, CEO Puerto Rico Science, Technology &amp; Research Trust</td>
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<td>9:15AM</td>
<td>&quot;Innovation in Medtronic&quot; by Felix Negrón, Vice president, Medtronic</td>
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<td>Puerto Rico Operations Company&quot;</td>
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<td>9:37AM</td>
<td>&quot;Resilience Through Innovation in Education&quot; by Ada Monzón,</td>
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<td>Meteorologist &amp; President, Board of Directors, EcoExploratorio:</td>
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<td></td>
<td>Museo de Ciencias de Puerto Rico&quot;</td>
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<td>9:59AM</td>
<td>&quot;Applying 3D Printing Research in Puerto Rico” by Samantha</td>
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<td>Snabes, Co-founder, re:3D</td>
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<td>10:21AM</td>
<td>&quot;Destination bioeconomy - the smart path towards a more sustainable future” by</td>
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<td>Pete Madden, President and CEO (until July 2018) of Drax Biomass Inc, Bioenergy-</td>
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<td>Forest Products and member of the Biomass R&amp;D Technical Advisory Committee (DoE)</td>
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<td>&quot;Southeast XLerator Network” by Eugene Krentsel, PhD, CSO, XLerateHealth</td>
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<td>&quot;The Network in Puerto Rico” by David Gulley, PhD, Director,</td>
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<td>Technology Transfer Office, Puerto Rico Science, Technology &amp; Research Trust</td>
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<td>&quot;The Puerto Rico Network Partners” by Carlos Baez, PhD,</td>
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<td>Technology Manager, Technology Transfer Office, Puerto Rico Science, Technology &amp;</td>
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<td>Research Trust; Lillian Pintado, AuD, Interim Associate Vice Chancellor for</td>
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<td>Graduate Studies and Research, Ana G.</td>
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<td>Mendez University System, University of Turabo; Kenira Thompson, PhD Vice</td>
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<td>President for Research, Ponce Health Sciences University, President, Ponce</td>
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<td>Research Institute; and Emma Fernandez, PhD, Professor and Executive Director,</td>
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<td>Center for Collaborative Research in Health Disparities, University of Puerto</td>
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<td>Rico, Medical Sciences Campus</td>
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<td></td>
<td>&quot;Validación/ MVP” by Charlie</td>
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<td>Fuentes, Co-founder / CPO, StageBoom</td>
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<td>&quot;¿Cómo conseguir tu socio?” by Carlos</td>
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<td>Acosta, Mentor-in-residence, Parallel18</td>
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<td>&quot;Business Model Canvas” by Javier de Jesus, Executive</td>
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<td>Director, Neeuko Center for Collaborative Innovation of the</td>
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<td>&quot;Tipo de entidad y permisos” by Jaymarie</td>
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<td>Correa, Director, Permiso SOS</td>
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<tr>
<td>10:43AM</td>
<td>COFFEE &amp; NETWORKING BREAK/POSTER SESSION</td>
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<td>11:00AM</td>
<td><strong>Research &amp; Development</strong>&lt;br&gt;<strong>SAN JUAN BALLROOM</strong>&lt;br&gt;“Bioeconomy in Puerto Rico: opportunities and challenges” 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)</td>
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<td>11:30AM</td>
<td>&quot;A Conversation on Alternative Communication Technology for Disaster Response” 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</td>
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<td>11:52AM</td>
<td><strong>Innovation &amp; Technology</strong>&lt;br&gt;<strong>LAGUNA ROOM</strong>&lt;br&gt;“Sustaining High Performing Teams” by Stephanie Berger, Director Quality and Training, Puerto Rico Consortium for Clinical Investigation Puerto Rico Science, Technology &amp; Research Trust</td>
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<td>12:14PM</td>
<td>&quot;From Survivors to Leaders: PR codes for the world” by Dan De Grazia, Chief Data Scientist Open Source Ecosystem IBM</td>
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<td>12:27PM</td>
<td><strong>Entrepreneurship</strong>&lt;br&gt;<strong>BAHIA ROOM</strong>&lt;br&gt;“Accelerating innovation with next generation solutions” by Ismael Hernández Services Sales Executive, Hewlett Packard Enterprise</td>
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<td>12:43PM</td>
<td>&quot;Showcase Panel: Puerto Rico Hackathons 2018” by Jose Quiñones, President, Obsidis Consortia; and Javier Malavé, Technology Consultant, Puerto Rico, Science, Technology and Research Trust</td>
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<td>12:45PM</td>
<td><strong>Keynote Speaker. Manu Prakash, PhD</strong>; Associate Professor of Bioengineering, Stanford University, Co-Founder, Board Member, Foldscope Instruments, Inc.</td>
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<td>1:00PM</td>
<td><strong>BAJARI RECOGNITION LUNCH</strong>&lt;br&gt;<strong>SAN JUAN BALLROOM</strong></td>
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<td>1:30PM</td>
<td><strong>BAJARI RECOGNITION LUNCH</strong>&lt;br&gt;<strong>SAN JUAN BALLROOM</strong></td>
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### SAN JUAN BALLROOM
- **2:40PM**
  - "El Estudio PROSPECT: investigando y reduciendo las enfermedades crónicas en Puerto Rico" by Josiemer Mattei, PhD; Assistant Professor of Nutrition, Harvard T.H. Chan School of Public Health

### LAGUNA ROOM
- **3:02PM**
  - "Implementing Institutional Policies to Foster R&D" by Ubaldo Córdova, PhD; Interim Vice President University of Puerto Rico
  - "Cultural Heritage: Recreating History in Virtual Reality" by Robert Cloutier, Founder, Digital History Studios

### BAHIA ROOM
- **3:02PM**
  - Taller: ¿Cómo encuentro financiamiento?
    - "¿Cómo sé que estoy listo para capital? / Market intro" by Antonio Rivera, Program Manager, Guayacan, Inc.
  - "Roll out capital" by Sebastian Vidal, Executive Director, Parallel18
  - "Growth capital" by Giovanna Piovannetti, Executive President, Lendreams
  - "Expansion capital" by Allison Kern, Partner, Morro Ventures
  - "Access to R&D Grants" by Andreica Maldonado, Grants Program Manager, Puerto Rico Science, Technology & Research Trust

### SAN JUAN BALLROOM
- **3:24PM**
  - "BioE at UPRM: Engineering the Future of Medicine" by Maribella Domenech, PhD; Associate Professor, University of Puerto Rico– Mayaguez, Department of Chemical Engineering
  - "Addressing Emergencies: Lessons from Maria" 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

### BAHIA ROOM
- **3:46PM**
  - "Vertical Farming - A New Paradigm for Food System Resilience in the Caribbean" by Sam Schatz, Managing Director of Corporate Development and Head of Global Farm Development AeroFarms
  - "Financing Early-Stage and Growth in Science & Technology" by Carole Bellis, Partner, Kilpatrick Townsend & Stockton LLP

### NETWORKING BREAK
- **4:08PM**
  - NETWORKING BREAK "BRAIN DATES"/POSTER SESSION/SBIR-STTR MATCHMAKING
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.

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<th>Innovation &amp; Technology</th>
<th>Entrepreneurship</th>
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<td>5:32PM</td>
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<td>5:54PM</td>
<td>Forward Summit Overview and Closing Remarks by Alfredo Casta, Founder and Chairman of Cascades Technologies, Inc. (CTi); Trustee of the Puerto Rico Science, Technology &amp; Research Trust</td>
<td>Integración de Sistemas de Información Geográfica (GIS) by Cesar Piovanetti IT Architect &amp; Spatial Platforms Engineer Puerto Rico, Science, Technology and Research Trust</td>
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<td>6:00PM</td>
<td>CLOSING COCKTAIL by Rums of Puerto Rico</td>
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SAN JUAN BALLROOM
LAGUNA ROOM
BAHIA ROOM
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  
“Ignition 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”
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”
Speakers > Innovation

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

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

**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”

**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”

**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”

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

**D.A. Kouns**
Operations Chief; ITDRC - Puerto Rico
“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”

**Eugene Krentsel, PhD**
CSO; XLerateHealth
“Southeast XLerator Network”

**Jon Sperling, PhD**
GIS Specialist
“Addressing Emergencies: Lessons from Maria”
Speakers > Innovation

Jose Quiñones
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Lillian Pintado, AuD
Interim Associate Vice Chancellor for Graduate Studies and Research; Ana G. Mendez University System, University of Turabo
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Marc Berryman
Emergency System /GIS Project Manager
“Addressing Emergencies: Lessons from Maria”

Raúl Ríos-Díaz
iCASA PR-Digital Media Creations
“Addressing Emergencies: Lessons from Maria”

Ruth Silva
Business Application Lead; Tres Monjitas
“A Conversation on Alternative Communication Technology for Disaster Response”

Kenira Thompson, PhD
Vice President for Research, Ponce Health Sciences University; President, Ponce Research Institute
“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

Orlando Rosado Nieves
Operational Excellence Manager – Electronics; UTC Aerospace Systems
“The Sky is the Limit” with UTC Aerospace Systems

Robert Cloutier
Founder; Digital History Studios
"Cultural Heritage: Recreating History in Virtual Reality"
Speakers > Entrepreneurship

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”
Speakers > Entrepreneurship

**Giovanna Piovannetti**
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”
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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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.