January 6–9, 2016
The Ritz-Carlton, Laguna Niguel | Dana Point, CA

4 DAYS THAT WILL CHANGE THE WAY YOU THINK ABOUT THE FUTURE OF PEDIATRICS!

International Society for Pediatric Innovation (iSPI)

peds2040.org
Discover emerging trends and future technologies! Network with the brightest minds in pediatric medicine! Hear from national leaders in innovation!

WHY ATTEND PEDIATRICS 2040 (PEDS 2040)?

PEDS 2040 is a unique opportunity to witness the future of pediatrics as it unfolds. Attendees will be able to collaborate with like-minded stakeholders in pediatrics. You will be able to learn from innovation and intelligence leaders.

PEDS 2040 offers many opportunities to network with pediatric centers and companies. It’s a chance for parents, stakeholders, doctors, nurses, and investors in pediatrics to witness game-changing and emerging technologies first-hand. These four days will change the way you think about the future of medicine!

WHO SHOULD ATTEND?

- Pediatricians & Pediatric Subspecialists
- Researchers & Scientists
- Nurses & Allied Health Professionals
- Investors
- Hospital Leaders
- Pediatric Trainees & Students
- Parents & Patients
- Or Anyone Who Is Interested in the Future of Pediatrics!
Pediatrics 2040 is proud to support Patients Included. As a subscriber to the Patients Included charter, we are committed to incorporating the experience of patients as experts in living with their condition while ensuring they are neither excluded nor exploited. Learn more at: peds2040.org/patients-included
Workshop A: Innovations in Health Care Delivery
From Idea to Reality for Innovators – This workshop will provide background concepts in innovation in health care and also review case studies in innovation in pediatric health care.
Panel: Naomi Fried, Lyle Berkowitz, Laura Beken, Don Lombardi

Workshop B: Genomic & Precision Medicine
Essential Concepts in the Current Era – This workshop will review basic concepts of genomic medicine from DNA sequencing to clinical interpretation and personalized medicine.
Panel: Leonard Sender, Spyro Mousses, Ryan Taft

Workshop C: Artificial Intelligence & Big Data
From Big Data to Deep Learning in Health Care – This workshop will introduce all relevant topics in the use of artificial intelligence in medicine, including data mining/predictive analytics, cognitive computing, and deep learning.
Panel: Anthony Chang, James Dzierzanowski, Sharief Taraman, Ken Ferrell, David Odgers

Workshop D: Regenerative Medicine & 3D Printing
Regenerative Medicine & 3D Printing Techniques in Pediatrics - This workshop will look at the innovative new ways that 3D printing can be applied for diagnosis and therapy in children, including new opportunities in regenerative medicine.
Panel: Scott Hollister, Bob Guldberg

YOUNG INNOVATORS WORKSHOP
Free Enrollment, Open to Kids & Teens
Panel: Leanne West, Mike Fitzgerald, Kezia Fitzgerald

2:00 PM - 6:00 PM
Introduction of Facilitators & Kids-
What is Innovation?

Address Issues & Solutions in Pediatric Health Care

Build/Draw/Design “Prototype” of a Solution
THURSDAY SCHEDULE
Pediatrics 2040: Trends and Innovation for the Next 25 Years

8:00 AM - 8:30 AM
Pediatrics 2040: Overview of the Pediatric Innovation Landscape
Keynote: Spyro Mousses with Anthony Chang

8:30 AM - 9:15 AM
Pediatric Innovation: The Parents’ and Patients’ Perspective
Moderators: Wendy Sue Swanson and Alan Greene
Panel: Kezia Fitzgerald, Mike Fitzgerald, Margerite Saitta

9:15 AM - 10:00 AM
Pediatric Innovation: The C-Suite’s Perspective
Moderators: Kim Cripe and Joe Kiani
Panel: Narendra Kini, Farah Chapes, Robert Meyer

10:00 AM - 10:30 AM
Networking

10:30 AM - 11:30 AM
Pediatrics 2040: The Best Abstracts
Moderators: Sherry Farrugia
Panel: Leanne West, Claudia Hoyen, Krista Nelson, Leonard Sender, Dawn Wolff

11:30 AM - 1:00 PM
Lunch

1:00 PM - 1:45 PM
Five on Five Session: Innovation as a Concept
Moderators: Naomi Fried and Don Lombardi
Panel: Alan Greene, Wendy Sue Swanson, Gavin Bogle, Jeffery Gruen, William Rhine

1:45 PM - 2:30 PM
Five on Five Session: Pediatric Nanomedicine
Moderators: Kevin Maher and Chih-Ming Ho
Panel: Sharief Taraman, M.G. Finn

2:30 PM - 3:00 PM
Networking

3:00 PM - 3:45 PM
Five on Five Session: Medical Devices and Connected Health
Moderators: Jessica Rousset and Peter Kim
Panel: Jeffrey Weness, Beth Mynatt, Matt McMahon, Joe Hage

3:45 PM - 4:30 PM
Five on Five Session: Genomic Medicine and Precision Medicine
Moderators: Spyro Mousses, Ryan Taft
Panel: Neil Miller, Dennis Wall, Greg Gibson, Leonard Sender

4:30 PM - 5:00 PM
Networking and Refreshments

5:00 PM - 6:30 PM
Poster Abstract Presentations
Moderators: Leanne West, Bob Guldberg, Kevin Maher, Spyro Mousses, May Wang, Mustafa Kabeer, Curtis Kennedy

7:00 PM - 9:30 PM
Innovation Beach Bash
SHINE A LIGHT ON YOUR ORGANIZATION!
SUBMIT AN ABSTRACT!

Your abstract may be a critical contribution to the learning experience and sharing that will make this conference a success for everyone!

A wide variety of submissions are accepted. These can be completed works, works in progress, or even a project idea. **In other words, even if you have simply an idea about an innovation, you can submit the idea!** They should be relevant to one of the seven themes of the conference:

- Genomic & Precision Medicine
- Regenerative Medicine & 3D Printing
- Pediatric Nanomedicine
- Medical Devices & Connected Health
- Robotics & Robotic Surgery
- Artificial Intelligence & Big Data
- Innovations In Health Care Delivery

**ONE WINNER WILL BE SELECTED FOR EACH OF THE SEVEN THEMES!**

Each of the seven WINNING abstracts will receive:
- Round-trip economy class airfare to attend the conference
- Complimentary three-night accommodations at The Ritz-Carlton, Laguna Niguel
- The opportunity to present your abstract during the conference at 10:30 AM on Thursday, January 7th or 11:15 AM on Saturday, January 9th.

All ACCEPTED abstracts will receive complimentary registration to the entire conference. You will present your abstract at 5:00 PM on Thursday, January 7th and be listed on the PEDS 2040 website.

**Abstract submission deadline is November 15, 2015.**
Submit your abstract at: peds2040.org

Submissions can be:
- Completed Works
- Works in Progress
- Project Ideas

More information at: peds2040.org
VISIT STARTUPS AT INNOVATION BEACH DURING NETWORKING BREAKS!

We have found some of the most innovative startups in medicine and brought them to Peds 2040! It’s a dedicated area of Peds 2040 called Innovation Beach, and it’s a great chance to learn about new discoveries and see interesting technology demonstrations. Make sure to stop by between sessions to see what Innovation Beach is all about!

INNOVATION BEACH

Do you have an innovative startup that has a great technology or health care solution? You can participate in our Innovation Beach!

If selected, your startup will have an opportunity to display your product, solution, or idea at a special area of Pediatrics 2040 dedicated to highlighting new and exciting innovations from startups like yours.

Participating startups will have a presence on the Pediatrics 2040 website immediately after they are accepted to participate and will get 2 free full-access passes to the entire 4-day conference. Scholarships are available to startups not able to pay a $1,000 participation fee.

Two startups will be awarded the Pediatrics 2040 Innovation Award, one based on the popular vote and one based on a vote by a panel of health care experts and investors.

Space is limited! Contact Laura Beken at lbeken@choc.org or 760.805.5040 for more information.

Innovation Beach demos will run during 3 days of the conference:

January 7th
January 8th
& January 9th
FRIDAY SCHEDULE
Pediatrics 2040: Trends and Innovation for the Next 25 Years

8:00 AM - 8:30 AM
Pediatrics 2040: Future Vision
Keynote: Patrick Soon-Shiong with Anthony Chang

8:30 AM - 9:15 AM
Pediatric Innovation: The Present Innovators’ Perspective
Moderators: Daniel Kraft and Nick Anas
Panel: Andrew Lyon, Christopher Longhurst, Mustafa Kabeer, Claire Hoyen, James Hury, Susan Elliott

9:15 AM - 10:00 AM
Pediatric Innovation: The Future Innovators’ Perspective
Moderators: Charlie Thompson and Naomi Fried
Panel: Juliette Hunt, Matt Ferguson

10:00 AM - 10:30 AM
Networking

10:30 AM - 11:15 AM
Five on Five Session: Regenerative Medicine and 3D Printing
Moderators: Bob Guldberg and Scott Hollister
Panel: TBA

11:15 AM - 11:45 AM
Keynote “Dialogue”: Overview of Pediatric Innovation
Anthony Chang and Daniel Kraft

11:45 AM - 12:30 PM
Pediatrics 2040: All Perspectives
Anthony Chang, Daniel Kraft, and Faculty

DID YOU KNOW?

- Sequencing genomes now costs less than $1000
- There will be over 2 million 3D printers in the next 2 years
- There are now over 10 zettabytes of data generated every year (that is 10 trillion gigabytes!)
- A new medical device is patented every 27 minutes

2:00 PM - 6:00 PM (By Invitation)
Pediatric Innovation Leadership Forum of the International Society for Pediatric Innovation (iSPI)
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
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<td>Five on Five Session: The ABCs of Medical Intelligence - Artificial Intelligence, Big Data, and Cloud Computing</td>
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<td>9:30 AM</td>
<td>Moderators: Curtis Langlotz and Timothy Chou</td>
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<td>Panel: Samuel King, Akshay Pottathil, William Feaster, Shawn Dolley</td>
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<td>10:00 AM</td>
<td>Five on Five Session: Special Topics in Medical Intelligence I - Big Data and Data Analytics</td>
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<td>Moderator: Atul Butte</td>
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<td>Panel: André Skupin, Steven Steinhubl, Larry Stofko, Mark Clements, Girish Shirali</td>
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<td>2:30 PM</td>
<td>Round Table: Medical Intelligence and Directions for the Future</td>
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<td>2:30 PM</td>
<td>Anthony Chang, Atul Butte, and Faculty</td>
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<td>3:00 PM</td>
<td>Closing Comments</td>
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* Schedule and Speakers Subject to Change
PRICING

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<th>Physicians/ Administrators</th>
<th>Nurses/ Fellows/Other</th>
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<tr>
<td>Early Bird Pricing Extended</td>
<td>$500</td>
<td>$250</td>
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<td>Ends November 15th!</td>
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<td>Standard Pricing</td>
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<td>Workshops</td>
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<td>Limited space available!</td>
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REGISTER NOW AT: peds2040.org
*Category 1 CME is not being offered for this educational activity

WHILE YOU’RE HERE, SEE WHAT SUNNY CALIFORNIA HAS TO OFFER!

AMUSEMENT PARKS
BEACHES
GOLF
LOCATION

THE RITZ-CARLTON, LAGUNA NIGUEL
One Ritz-Carlton Drive, Dana Point, California 92629 USA

REFERENCE “CHOC Peds2040” TO RECEIVE YOUR DISCOUNTED ROOM RATE BY 12/4/15 - $195 USD PER NIGHT

SPACING IS LIMITED! CALL NOW! +1 (877) 266-6065