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

2016 Conference Themes

- 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
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: 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, Katie Weimer

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

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

7:00 AM - 8:00 AM
Check-In and Breakfast

8:00 AM - 8:30 AM
Keynote "Dialogue" - Pediatrics 2040: Overview of the Pediatric Innovation Landscape
Keynote: Wendy Sue Swanson with Anthony Chang

8:30 AM - 9:00 AM
Round Table - Pediatric Innovation: The Parents' and Patients' Perspective
Moderators: Wendy Sue Swanson and Alan Greene
Panel: Kezia Fitzgerald, Mike Fitzgeralld, Margerite Saitta, Amber Schubert, Kambria Sheridan

9:00 AM - 9:30 AM
Round Table - Pediatric Innovation: The C-Suite's Perspective
Moderators: Kimberly Cripe and Joe Kiani
Panel: Narendra Kini, Robert Meyer, Joe Randolph

9:30 AM - 10:00 AM
Round Table - Pediatric Innovation: The Regulatory Perspective
Moderators: Spyro Mousses and Gavin Bogle
Panel: Matt McMahon, Charlie Thompson, Kevin Maher, Kolaleh Eskandanian, Jessica Rousset

10:00 AM - 10:30 AM
Networking Break & Refreshments

10:30 AM - 11:30 AM
Pediatrics 2040: The Best Abstracts
Moderators: Sherry Farrugia and Spyro Mousses
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, Matthew Comianos

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

2:30 PM - 3:00 PM
Networking Break & Refreshments

3:00 PM - 3:45 PM
Five on Five Session: Medical Devices and Connected Health
Moderators: Jessica Rouset and Kolaleh Eskandanian
Panel: Jeffrey Weness, Beth Mynatt, Joe Hage, James Wall, Salim Altschar

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, Leonard Sender, Diane Nugent

4:30 PM - 6:00 PM
Reception & Poster Abstract Presentations
Moderators: Leanne West, Bob Guldberg, Kevin Maher, Spyro Mousses, Paul Lubinsky, Mustala Kabeer, Curtis Kennedy, Joe Hage, Kolaleh Eskandanian

6:00 PM - 7:15 PM
Innovation Beach Bash
Dinner & Startup Pitches

Excellent conference - I have learned so much!

Great energy at #Peds2040 conf! Glad to make new friends...

Naomi Fried

Conference Eval
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
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

7:00 AM - 8:00 AM
Check-in and Breakfast

8:00 AM - 8:30 AM
Keynote: Patrick Soon-Shiong with Anthony Chang

8:30 AM - 9:00 AM
Round Table - 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

9:00 AM - 9:30 AM
Round Table - Pediatric Innovation: The Future Innovators’ Perspective
Moderators: Charlie Thompson and Naomi Fried
Panel: Katie Nguyen, Hillary Nguyen, Juliette Hunt, Samuel Ferguson, Mohammed Sayed, Reece Ohmer, Emily Saitta, Kalee Pollik, Vanessa Linares

9:30 AM - 10:00 AM
Round Table - Pediatric Innovation: The Global Perspective
Moderators: S. Suresh and Darius Bagli
Panel: Thomas Ngwiri, Alberto Tozzi, Jorge Hernandez, Jussi Maatta, Elizabeth Styffe

10:00 AM - 10:30 AM
Networking Break & Refreshments

10:30 AM - 11:15 AM
Five on Five Session: Regenerative Medicine and 3D Printing
Moderators: Bob Guldberg and Scott Hollister
Panel: Rajesh Krishnamurthy, Phil Schwartz, Timothy Nelson

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?

- A new medical device is patented every 27 minutes.
- There will be over 2 million 3D printers in the next 2 years.
- Sequencing genomes now costs less than $1000.
- There are now over 10 zettabytes of data generated every year (that is 10 trillion gigabytes!)
8:00 AM - 8:30 AM
Keynote "Dialogue" – AI in Medicine: Past, Present, and Future
Keynote: Peter Szolovits with Anthony Chang

8:30 AM - 9:15 AM
Five on Five Session: The ABCs of Medical Intelligence
Moderators: Curtis Langlotz and Timothy Chou
Panel: Samuel King, Akshay Pottathil, William Feaster, Matthew Comianos

9:15 AM - 10:00 AM
Five on Five Session: Big Data and Data Analytics
Panel: André Skupin, Steven Steinhubl, Larry Stofko, Mark Clements, Girish Shirali, Dimitar Baronov

9:30 AM - 11:30 AM
Networking Break & Refreshments

10:30 AM - 11:15 AM
Five on Five Session: Cognitive Computing
Moderator: Spyro Mousses
Panel: Sharief Taraman, James Dzierzanowski, Nardo Manaloto, Paul Barach

11:15 AM - 11:30 PM
The Best Abstract: Artificial Intelligence & Big Data
Moderator: Atul Butte
Panel: Peter Szolovits, May Wang

11:30 AM - 1:00 PM
Lunch

1:00 PM - 1:45 PM
Five on Five Session: Machine and Deep Learning
Moderator: Jeremy Howard
Panel: Ken Ferrell, May Wang, David Odgers, S. Suresh, Wout Brusselaers

1:45 PM - 2:30 PM
Five on Five Session: Applications in Pediatrics
Moderators: Martin Kohn and Curtis Kennedy
Panel: Kevin Maher, Eric Handler, Peter Lausen, Randall C. Wetzel, Eric Williams

2:30 PM - 3:00 PM
Networking Break & Refreshments

3:00 PM - 4:00 PM
Round Table:
Future of Medical Intelligence
Anthony Chang, Atul Butte, and Faculty

* Schedule and Speakers Subject to Change
**PRICING**

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<th>Physicians/ Administrators</th>
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<tr>
<td><strong>Early Bird Pricing Extended</strong></td>
<td>$500</td>
<td>$250</td>
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<td>Ends November 15th!</td>
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<td><strong>Workshops</strong></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
For every child. For every step. We are here.

At Nicklaus Children’s Hospital we not only provide care for children, we place the child and the family at the center of a devoted team, guiding them and their family through every step of their journey.

It is because of Nicklaus Children’s Hospital’s innovative approach that once again, no other hospital in Florida has more programs highlighted in U.S. News & World Report's 2015-16 pediatric rankings. In addition, our neurology and neurosurgery program is ranked 7th in the nation. It's great to be a leader, but it's even better to lead with compassion, innovation and extraordinary care. We thank our doctors, nurses, support staff, volunteers and donors for helping us achieve another year of excellence in care.

Nicklaus Children’s Hospital is proud to have more programs included within U.S. News & World Report’s 2015-16 “Best Children’s Hospitals” rankings than any other hospital in South Florida.

nicklauschildrens.org
Our Mission: Improving Patient Outcomes and Reducing Cost of Care by Taking Noninvasive Monitoring to New Sites and Applications

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STG-0132A/CO-025466
Todd and Karen Wanek Family Program for Hypoplastic Left Heart Syndrome