

PEDIATRICS 2040

Trends & Innovations for the Next 25 Years



January 6-9, 2016

The Ritz-Carlton, Laguna Niguel | Dana Point, CA

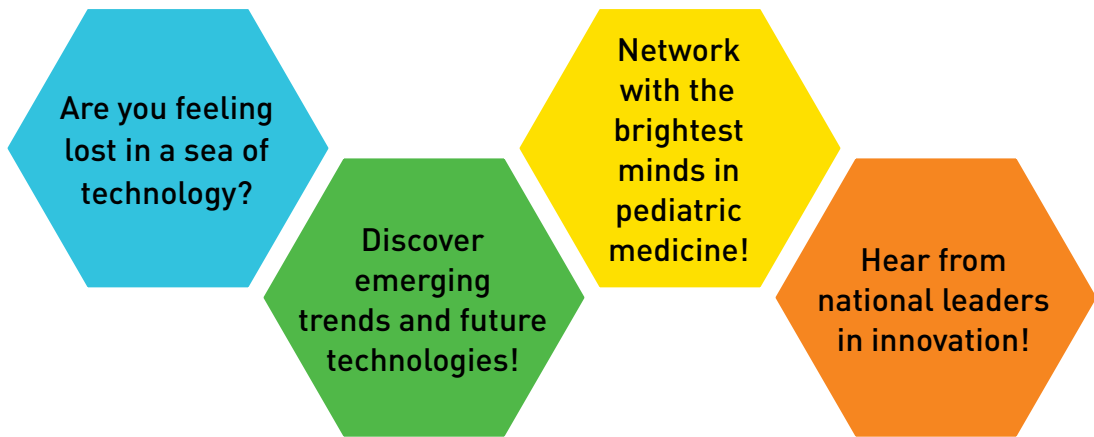
**4 DAYS THAT WILL CHANGE THE WAY YOU
THINK ABOUT THE FUTURE OF PEDIATRICS!**



International Society for Pediatric Innovation (iSPI)

 **CHOC Children's**

peds2040.org



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

Hospital Leaders

Researchers & Scientists

Pediatric Trainees
& Students

Nurses & Allied Health
Professionals

Parents & Patients

Investors

Or Anyone Who Is Interested
in the Future of Pediatrics!

FEATURED SPEAKERS



DANIEL KRAFT, MD



PATRICK SOON-SHIONG, MD



WENDY SUE SWANSON, MD



ALAN GREENE, MD



JEREMY HOWARD



ATUL J. BUTTE, MD, PHD



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

WED
JAN
6th

WORKSHOPS

Enrollment Fee: \$50 Per Workshop
Workshops (two hours each): 2 - 4 PM & 4 - 6 PM

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

THU

JAN

7th

CONFERENCE

Excellent conference- I have learned so much!



Conference Eval

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



Naomi Fried



THU
JAN
7th

ABSTRACTS

**Submissions
can be:**

- **Completed Works**
- **Works in Progress**
- **Project Ideas**

**More information
at:
peds2040.org**



**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.

THU
JAN
7th

STARTUPS

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

January 7th
January 8th
& January 9th



FRI
JAN
8th

CONFERENCE

Great conference... love the TED style talks.



Dr. Sharief
Taraman



This meeting was beyond my expectation. I am glad I took a few days off to attend...



Conference Eval

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 Hoyer, 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)**

SATURDAY SCHEDULE - Special Symposium!
Medical Intelligence: Big Data and Analytics, Cognitive Computing, and Machine and Deep Learning

8:00 AM - 8:30 AM
Artificial Intelligence 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 - Artificial Intelligence, Big Data, and Cloud Computing
Moderators: Curtis Langlotz and Timothy Chou
Panel: Samuel King, Akshay Pottathil, William Feaster, Shawn Dolley
9:15 AM - 10:00 AM
Five on Five Session: Special Topics in Medical Intelligence I - Big Data and Data Analytics
Moderator: Atul Butte
Panel: André Skupin, Steven Steinhubl, Larry Stofko, Mark Clements, Girish Shirali

10:00 AM -10:30 AM
Networking

10:30 AM - 11:15 AM
Five on Five Session: Special Topics in Medical Intelligence II - Cognitive Computing
Moderator: Spyro Mousses
Panel: Sharief Taraman, James Dzierzanowski

11:15 AM - 11:30 PM
Pediatrics 2040: The Best Abstracts
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: Special Topics in Medical Intelligence III - Machine and Deep Learning
Moderator: Jeremy Howard
Panel: Ken Ferrell, May Wang, David Odgers

1:45 PM - 2:30 PM
Five on Five Session: Applications in Pediatric Medicine
Moderators: Marty Kohn and Curtis Kennedy
Panel: Kevin Maher, Eric Handler, Peter Laussen, Randall C. Wetzel

2:30 PM - 3:00 PM
Networking

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

4:00 PM
Closing Comments

* Schedule and Speakers Subject to Change

SAT
JAN
9th

SYMPOSIUM

Great innovative conference. Very well done and futuristic.



Conference Eval

Fabulous conference. Sad to see it come to a close.



Leanne West



PRICING		
	Physicians/ Administrators	Nurses/ Fellows/Other
Early Bird Pricing Extended Ends November 15th!	\$500	\$250
Standard Pricing Begins November 16th	\$600	\$350
Workshops Limited space available!	\$50 Each	\$50 Each
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

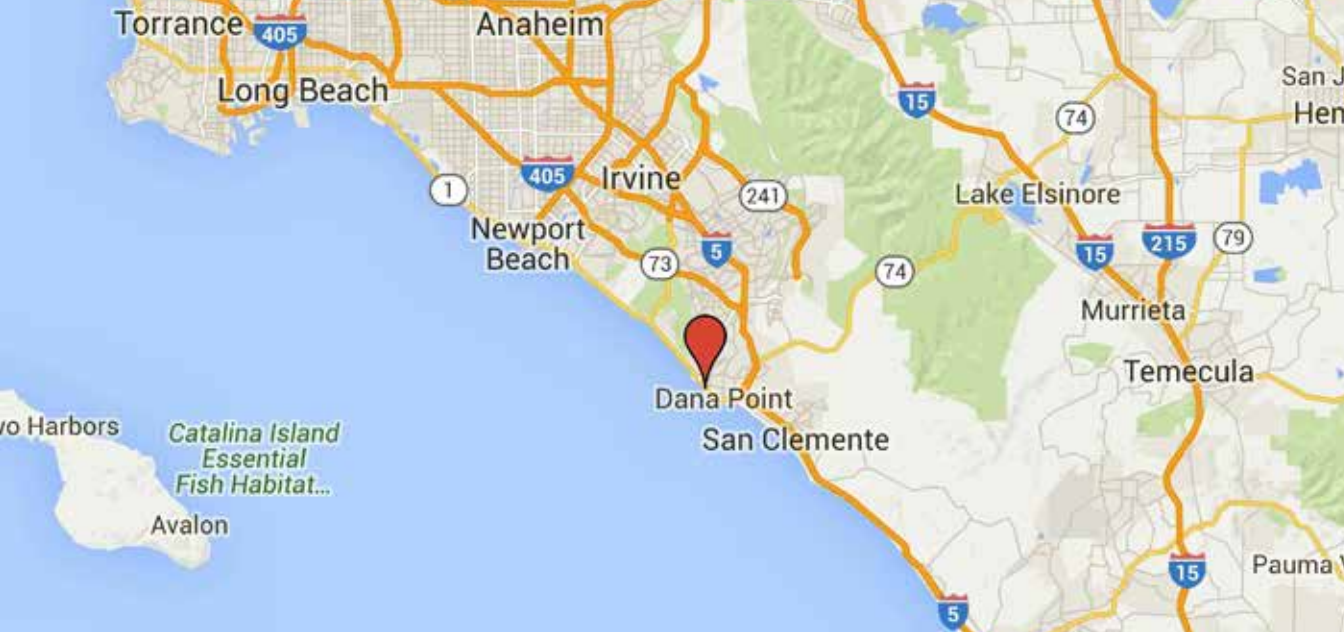


BEACHES



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



1201 W La Veta Ave,
Orange, CA 92868



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Pediatric Innovation (iSPI)

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