

**2017 CIAPM meeting
October 12th & 13th, La Jolla, CA**

**Data in Precision Medicine
Where are we going and how do we get there?**

San Diego Marriott La Jolla

California has made a strong commitment to precision medicine, launching CIAPM in 2015. Our goal for the initiative, and specifically for the annual meeting, is to build community amongst California’s thought leaders and stakeholders in precision medicine, to help them discover and pursue opportunities in precision medicine.

The focus of this year’s annual meeting is on data - data needs, safe and effective data sharing, transformative technologies and ethical considerations in data generation and use - in the context of the changing health care paradigm, including the shifting relationship between research and clinical practice.

General questions addressed by panels throughout the meeting

- What will/should precision medicine (and the data landscape) look like in 5yrs? In 20yrs?
- How do we get there?
- What can CIAPM, the State of California, or other stakeholders, do to help advance precision medicine?
- Who are the stakeholder groups; what are their needs/how do they differ? How can one stakeholder group help solve (or avoid creating) problems for other stakeholders, i.e., how do we re-align incentives to support the new paradigm?

October 12th, 2017

9:00 AM	Registration — Coffee and light breakfast
10:00 AM	Welcome and Introductory Remarks <ul style="list-style-type: none"> • Atul Butte, MD, PhD, Director, Institute for Computational Health Sciences, UCSF, CIAPM Principal Investigator • David Brenner, MD, Vice Chancellor for Health Sciences and Dean of the School of Medicine, UCSD
10:30 AM	Session 1: Overview of the Data Landscape in Precision Medicine – the Changing Paradigm <ul style="list-style-type: none"> • Atul Butte, MD, PhD, Director, Institute for Computational Health Sciences, UCSF, CIAPM Principal Investigator

<p>10:45 AM</p>	<p>Session 2: Data Needs for Precision Medicine</p> <p><i>Overview of data landscape, types of data, sources of data needed and available - from Molecular to Clinical to Population - Importance of integrating multiple data sources for discovery and application</i></p> <p>Session Moderator: Jill Mesirov, PhD, MA, Associate Vice Chancellor for Computational Health Sciences, UCSD, Member of CIAPM Academic Committee</p> <p>Speakers / panelists:</p> <ul style="list-style-type: none"> • Dawn Barry, MBA, VP, Applied Genomics, Illumina • Marti Head, PhD, Senior Director, GlaxoSmithKline Pharmaceuticals • Arash Naeim, MD, PhD, CMO Clinical Research, UCLA • Tom Insel, MD, Founder and President, Mindstrong Health • Neal Halfon, MD, MPH, Founding Director, Center for Healthier Children, Families and Communities, UCLA
<p>12:15 PM</p>	<p>CIAPM Demonstration Project: Early Prediction of Major Adverse Cardiovascular Events Using Remote Monitoring</p> <ul style="list-style-type: none"> • Brennan Spiegel, MD, MSHS, Director of Health Services Research, Cedars-Sinai Medical Center
<p>12:30 PM</p>	<p>Lunch and Networking</p>
<p>1:15 PM</p>	<p>CIAPM Demonstration Project: Personal Mobile and Contextual Precision Health</p> <ul style="list-style-type: none"> • Nicholas Anderson, MS, PhD, Director of Informatics Research, UC Davis
<p>1:30 PM</p>	<p>Session 3: Data Needs for Precision Medicine - Cohorts</p> <p><i>Building cohorts and data resources, making use of California's data – opportunities and barriers</i></p> <p>Session Moderator: Kelsey Martin, MD, PhD, Dean, David Geffen School of Medicine, UCLA, Member of CIAPM Academic Committee</p> <p>Speakers / panelists:</p> <ul style="list-style-type: none"> • Hoda Anton-Culver, PhD, Professor & Chair, Epidemiology, School of Medicine, UC Irvine; Co-PI, All of US- California Consortium • Sumitra Muralidhar, PhD, Director, Million Veteran Program, U.S. Department of Veterans Affairs • Claudia Williams, MS, CEO Manifest MedEx

3:00 PM	<p>CIAPM Demonstration Project: Precision Medicine for MS: Making It Work</p> <ul style="list-style-type: none"> • Riley Bove, MD, Assistant Professor, UCSF
3:15 PM	Afternoon Break and Networking
3:45 PM	<p>Session 4: Enabling Safe and Effective Data Sharing</p> <p><i>Changing the Culture: What are the benefits and risks of data sharing for various stakeholders, e.g., researchers, patients/consumers, clinicians, industry/pharma, payers, academic institutions? How do we change incentives?</i></p> <p>Session Moderator: Mary Maxon, PhD, Associate Laboratory Director for Biosciences, Lawrence Berkeley National Laboratory, Member of CIAPM Academic Committee</p> <p>Speakers / panelists:</p> <ul style="list-style-type: none"> • David Shaywitz, MD, PhD, CMO, DNAnexus • Darshak Sanghavi, MD, CMO, OptumLabs • Hakan Sakul, PhD, VP & Head of Diagnostics, Worldwide R&D, Pfizer • David Neal, MD, SVP of Global Research, Elsevier • Keith Yamamoto, PhD, Vice Chancellor for Science Policy and Strategy, UCSF
5:15 PM	<p>CIAPM Demonstration Project: California Kids Cancer Comparison</p> <ul style="list-style-type: none"> • David Haussler, PhD, Director, UC Santa Cruz Genomics Institute
5:30 PM	Adjourn to Keynote Presentation
Shuttle Service to UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences	
Public Event	
5:30 PM	Reception
6:30 PM	<p>Keynote Presentation - <i>Toward Individualized Medicine</i></p> <ul style="list-style-type: none"> • Eric Topol, MD, Founder & Director, Scripps Translational Science Institute <p>Fireside Chat</p> <ul style="list-style-type: none"> • Eric Topol and Atul Butte
7:30 PM	Reception
8:30 PM	Adjourn for the day

October 13th, 2017

8:00 AM	Arrival and Light Breakfast
9:00 AM	Welcome and Observations from Day 1 <ul style="list-style-type: none"> • Atul Butte, MD, PhD, Director, Institute for Computational Health Sciences, UCSF, CIAPM Principal Investigator
9:10 AM	CIAPM Economic Study: Impact and Potential of Precision Medicine in California <ul style="list-style-type: none"> • Patrick Kallerman, Research Director, Bay Area Council Economic Institute
9:15 AM	Session 5: In What Direction Will Precision Medicine Bend the Cost Curve? <i>Tracking cost impacts, anticipating pain points, possible solutions</i> Fireside chat: <ul style="list-style-type: none"> • Arnold Milstein, MD, MPH, Director, Clinical Excellence Research Center, Stanford University, Member of CIAPM Academic Committee • Richard Kronick, PhD, Professor, Department of Family Medicine and Public Health, UCSD • Robert Kaplan, PhD, Research Director, Clinical Excellence Research Center, Stanford University
9:45 AM	CIAPM Demonstration Project: Full Genome Analysis to Guide Precision Medicine <ul style="list-style-type: none"> • David Martin, MD, Senior Scientist, Children's Hospital Oakland Research Institute
10:00 AM	Morning Break and Networking
10:30 AM	Session 6: Ethical Considerations in Data Generation and Use <i>Addressing data ownership, diversity/inclusion, trust, reducing health disparities, access; achieving health justice through precision medicine</i> Session Moderator: Fred Meyers , MD, MACP, Associate Dean, Precision Medicine, UC Davis, Member of CIAPM Academic Committee Speakers / panelists: <ul style="list-style-type: none"> • Barbara Koenig, PhD, Director, UCSF Bioethics • Nazneen Aziz, PhD, Executive Director, Kaiser Permanente Research Bank • Ted Chan, MD, Chair of Emergency Medicine, UCSD • Camille Nebeker, EdD, MS, Director, Research Ethics, All of Us Research Program, Scripps Translational Science Institute

12:00 PM	<p>CIAPM Demonstration Project: Early Prostate Cancer: Predicting Treatment Response</p> <ul style="list-style-type: none"> • Sheldon Greenfield, MD, Executive Co-Director, Health Policy Research Institute, School of Medicine, UC Irvine
12:15 PM	<p>Lunch and Networking</p>
1:15 PM	<p>CIAPM Demonstration Project: Artificial Intelligence for Imaging of Brain Emergencies</p> <ul style="list-style-type: none"> • Pratik Mukherjee, MD, PhD, Professor, UCSF
1:30 PM	<p>Session 7: Mapping Technology Opportunities</p> <p><i>This session will explore emerging technologies and innovative approaches for precision medicine, especially with respect to data sharing, management and security, analysis and visualization.</i></p> <p>Session Moderator: John Carpten, PhD, Director, Institute for Translational Genomics, University of Southern California, Member of CIAPM Academic Committee</p> <p>Speakers / panelists:</p> <ul style="list-style-type: none"> • Iya Khalil, PhD, Co-Founder & Chief Commercial Officer, GNS Healthcare, Inc. • Anthony Joseph, PhD, Chancellor’s Professor, UC Berkeley • Tara Maddala, PhD, Head of Biostatistics and Data Management, GRAIL • Sara Radcliffe, MPH, MA, President & CEO, California Life Sciences Association
3:00 PM	<p>CIAPM Demonstration Project: Precision Diagnosis of Acute Infectious Diseases</p> <ul style="list-style-type: none"> • Charles Chiu, MD, PhD, Director, UCSF-Abbott Viral Diagnostics and Discovery Center, UCSF
3:15 PM	<p>Closing remarks</p>
3:30 PM	<p>Adjourn</p>