



# EXPONENTIAL Medicine

DRAFT SCHEDULE - *Subject to Change*

Monday, November 4th • **DAY 1**

11:45 AM - 1 PM	Platinum Participant & Faculty Luncheon	
1:00 PM	Session 1	<p><b>Welcome + Reimagining The Future Of Medicine</b></p> <p>Welcome and framing to the four days Exponential Medicine (xMed): How is technology converging, and enabling the reinvention of health &amp; medicine across the care continuum.</p> <p>Daniel Kraft M.D. <i>Founder &amp; Chair, Exponential Medicine. Faculty Chair for Medicine, Singularity University.</i></p> <p>Will Weisman, <i>Executive Director, Summits. Singularity University</i></p>
	Session 2	<p><b>Exponentials Essentials &amp; Updates</b></p> <p>Tools to build the future. An update on how rapidly developing technologies are advancing, what is cutting edge today and implications for the future.</p> <p><b>Artificial intelligence</b> Neil Jacobstein, <i>Faculty Chair for AI &amp; Robotics, Singularity University</i></p> <p><b>Robotics</b> Catherine Mohr, MD. <i>VP of Innovation. Intuitive Surgical</i></p> <p><b>Big Data &amp; Deep Learning</b> Michael Gillam, MD. <i>CEO</i></p> <p><b>Genomics</b> Rodrigo Martinez, <i>Veritas Genetics</i></p>
3:00 PM	Break: Merge, Meet, Mix And Recharge	
3:30 PM	Session 3	<p><b>Exponentials Essentials &amp; Update Part II</b></p> <p><b>BlockChain &amp; Its Potential in Healthcare</b> Heather Flannery <i>Board Chair of Blockchain in Healthcare Global</i> Mariya Filipova, <i>Chief Innovation Officer, Anthem Inc</i></p> <p><b>Virtual, Augmented &amp; Extended Reality</b> Rafael Grossman MD, <i>Surgeon &amp; Virtualist</i></p> <p><b>Quantum Computing</b> Jack Hidary, <i>Google X</i></p>



---

Session 4

**Artistry, Convergence & Entrepreneurship On The Exponential**

How fields are converging and enabling new approaches to solving grand challenges in biomedicine. Exploring the power of visualization, from empowering patients to understanding environmental health.

**Convergence of Frontiers in Veterinary & Human Medicine.**

Eleanor Greene DVM, *Dean Texas A&M School of Veterinary Medicine*

**Visualizing Health & Disease**

Alex Tsiaris, *StoryMD*

**Fantastic Fungi**

Louie Schwartzberg, *Film Director & Cinematographer*

**Exponential Entrepreneurship**

Naveen Jain, *Founder & CEO of Viome*

---

Session 5

**Keynotes: Redesigning Healthcare: From Communities To Hospitals**

**Healthy Communities: Social Determinants & Building a Constituency for Health**

Rebecca Onie & Rocco Perla, *Co-founders of The Health Initiative*

**Redesigning Healthcare:**

Stacey Chang, *Executive Director of the Design Institute for Health Dell Medical School*

7:30 PM

Dinner Under The Stars: Hotel Del Coronado

Windsor Lawn

---

9:00 PM

Innovation Games



7:00 AM	Breakfast In The Innovation Lab + Morning Activities: Beach Run/Walk, Yoga, Meditation, Art	
8:30 AM	Session 6	<p><b>The Neobiological Revolution</b></p> <p>Accelerating ability to both read and write DNA, and to understand and manipulate human biology for addressing and preventing disease and has major implications for the future of humanity.</p> <p>Jane Metcalfe, <i>Founder Neo.Life Cofounder WIRED</i></p> <p>Andrew Hessel, <i>CEO, Humane Genomics</i></p> <p>Kari Nadeau MD, PhD, <i>Director of the Sean Parker Center for Allergy &amp; Asthma Research at Stanford University, Section Chief of Allergy and Asthma at the Stanford School of Medicine</i></p>
	Session 7	<p><b>Digital Health &amp; Medicine. From Inception To Impact</b></p> <p>As mobile, sensors and data and informatics converge novel approaches to diagnosis, disease management and discovery are making their way to our wrists, clinics. What are the lessons, potential going forward?</p> <p>Dave Albert, MD, <i>Founder, &amp; Chief Medical Officer, AliveCor</i></p> <p>Suraj Kapa MD, <i>Director, Augmented and Virtual Reality Innovation, Professor of Medicine Mayo Clinic</i></p> <p>Yonatan Adiri, <i>Founder &amp; CEO, Healthy.io</i></p> <p>Jennifer Goldsack, <i>Executive Director, Digital Medicine Society (DiMe)</i></p> <p>Nigam Shah MBBS, PhD, <i>Associate Professor of Medicine (Biomedical Informatics) and Biomedical Data Science, Stanford Medical School</i></p>
10:45 AM	Break: Recharge, Refresh & Explore The xMed Innovation Lab	
11:15 AM	Session 8	<p><b>Medicine And The Machine:</b></p> <p>Medscape editor-in-chief Eric Topol, MD, and master storyteller and clinician Abraham Verghese, MD, on Medicine and the Machine as they discuss the power and pitfalls of artificial intelligence, and how it will change modern medicine.</p> <p>Eric Topol, MD, <i>Founder and Director, Scripps Research Translational Institute</i></p> <p>Abraham Varghese, MD, <i>Professor for the Theory and Practice of Medicine and Senior Associate Chair of the Department of Internal Medicine. Stanford Medical School</i></p>



---

**Session 9**

**Reinventing The Regulator & Services For The Digital Age**

As medical devices, software and AI merge, how can novel solutions be demonstrated to be safe and effective and be regulated effectively? How do Governments leverage digital tools to 3, health equity and impact?

Asif Dhar, MD, *Chief Health Informatics Officer & Principal, Deloitte Consulting*

Shannon Sartin, *Executive Director, Digital Service Department of Health & Human Services*

12:30 PM

Lunch: Meet The xMed Faculty At Designated Tables

---

1:30 PM

**Breakout  
Sessions I**

75 minute interactive, deep-dive breakout sessions:  
*Include deep dives with faculty from prior sessions.*

---

3:00 PM

**Session 10**

**Abundance, Bold Thinking & Massive Transformative Purpose**

*An interactive session with Peter Diamandis.*

Peter Diamandis MD, XPRIZE founder and Chairman, Co-founder of Singularity University

---

**Session 11**

**Seeing Beyond: Future Of Diagnostics**

Beyond the standard labs and radiology, exponential technologies are enabling new forms of sensing and diagnostics, from parsing the microbiome to machine vision

Leerom Segal, *CEO, Co-founder, Klick Health*

Diagnostics Demos

---

**Session 12**

**Accelerating Cures & Future Of Pharma**

From 'Big Pharma', to patients turned researchers, what are novel approaches and mindsets to discovering, testing and implementing therapies for common to rare diseases.

Ameet Nathwani MD, *Chief Digital Officer, Chief Medical Officer and Executive Vice President, Sanofi*

David Fajgenbaum MD MBA, *Asst Professor, Division of Translational Medicine & Human Genetics, University of Pennsylvania School of Medicine. Author of 'Chasing My Cure: A Doctor's Race to Turn Hope Into Action'*

---

4:30 PM

Break: Recharge, Connect And Explore The xMed Innovation Lab

---



5:00 PM	Session 13	<p><b>Lifespan, Healthspan &amp; Aging</b></p> <p>Is there an upstream basis for aging that drive the hallmarks of aging? From epigenetics to senolytics and CRISPR, potential and ethical challenges.</p> <p>David Sinclair PhD. <i>Co-Director of the Paul F. Glenn Center for the Biology of Aging at Harvard Medical School</i></p> <p>Jamie Metzl JD, <i>Senior Fellow ,The Atlantic Council. Author of Hacking Darwin</i></p>
	Session 14	<p><b>And In The End...</b></p> <p>Until there is a 'cure' for aging.... How we want to die – represents one of the most important and costly conversations most of us are not having</p> <p>Michael Hebb, <i>Founder of 'Death Over Dinner'.</i></p>
	Music	<p><b>Brothers Koren</b></p>
	Session 15	<p><b>The Healing Organization</b></p> <p>How can healthcare organizations heal their employees, customers, communities, and other stakeholders by incorporating the tenets of conscious capitalism</p> <p>Michael Gelb <i>Founder &amp; President of The High Performance Learning Center</i></p>
7:30 PM	<p><b>Dinner Under The Stars - Hotel Del Coronado, Windsor Lawn</b></p> <p>Faculty Discussion Tables Death Over Dinner Discussion Tables</p> <p><b>Evening Activities</b></p> <p>Parallel Options Include</p> <ul style="list-style-type: none"><li><b>Platinum &amp; Faculty Reception</b></li><li><b>Shots &amp; Moonshots</b></li><li><b>Screening Of 'Fantastic Fungi' Movie In the Main Ballroom</b></li><li><b>Participant Unconference</b></li><li><b>Cacao Ceremony</b></li></ul>	



7:00 AM	Breakfast In The Innovation Lab + Morning Activities: Beach Run/Walk, Yoga, Meditation, Art	
8:30 AM	Session 16	<p><b>Neuromedicine At The Frontier</b></p> <p>Our understanding of the brain and mind is accelerating. This session will explore the cutting edge, from consciousness, to preventing and treating neuro pathologies.</p> <p>Rudi Tanzi PhD, <i>Professor of Neurology, Harvard Medical School. Co-Director Center for Brain Health at Massachusetts General Hospital.</i></p> <p>Divya Chander MD PhD, <i>Chair for Neuroscience, Singularity University</i></p> <p>Shai Efrati MD, <i>Director of The Sagol Center for Hyperbaric Medicine and Research. Tel Aviv University</i></p>
	Session 17	<p><b>The Future Of Clinical Practice, Work, Newskilling And Education</b></p> <p>Who does what, when and where? What's possible and what's permissible? New tools for preparation and practice to upskilling &amp; collaboration.</p> <p>Jennifer Radin, <i>Healthcare Chief Innovation Officer &amp; Future of Work Leader, Deloitte Consulting</i></p> <p>Shafi Ahmed MD, <i>Professor of Surgery Barts Medical School.</i></p>
10:30 AM	Break: Refresh & Recharge In The Innovation Lab	
11:00 AM	Session 18	<p><b>The Future Of Clinical Practice II</b></p> <p>The blending of in-person and virtual care, avatars, to AI enabled decision support is reshaping how and where healthcare happens.</p> <p>Amir Dan Rubin, <i>CEO, One Medical</i></p> <p>Danny Thomsett Uneeq <i>Digital Humans, UneeQ</i> Marie Johnson, <i>Centre for Digital Business</i></p> <p>Jordan Shlain, MD, <i>Founder, Private Medical</i></p> <p>Kira Radinsky PhD, <i>CEO, Diagnostic Robotics</i></p>
12:30 AM	xMed Participants "Scrubs Photo"	
12:40PM	Lunch, Beachside With Faculty & Topic Discussion Tables	
1:30 PM	Breakout Sessions II	75 minute interactive, deep-dive breakout sessions



3:00 PM	Session 19	<p><b>Nutrition, Health And Food Of The Future</b></p> <p>“Let Food be Thy Medicine” (Hippocrates). The science of nutrition is rapidly evolving, as are new forms of FoodTech. What are the implications for the environment, to prevention to treatment of disease.</p> <p>William Li MD, <i>Founder, Angiogenesis Foundation</i></p> <p>Uma Valeti MD, <i>Founder &amp; CEO, Memphis Meats</i></p>
	Session 20	<p><b>Planetary And Global Health</b></p> <p>From climate change to pandemic disease, novel approaches are needed to address these grand challenges and to apply technologies to democratize and improve healthcare at a global level.</p> <p>Paul Auerbach MD. <i>Emeritus Professor. Stanford, Dept of Emergency Medicine. Founder, Wilderness Medical Society. Author of Enviromedics</i></p> <p>Amy Lin <i>Deputy Director Center for Innovation and Impact , USAID</i></p> <p>The Flu Lab Initiative</p>
4:30 PM	Break: Refresh & Recharge In The Innovation Lab	
5:15 PM	Session 21	<p><b>Things That Kill Us: Healthcare &amp; Social Justice</b></p> <p>Megan Ranney, MD MPH, <i>Brown University Associate Professor of Emergency Medicine, Health Services, Policy &amp; Practice</i></p>
	Session 22	<p><b>Things That Save Us: Keynote- Mushrooms, Mycology &amp; Medicine</b></p> <p>The world's leading mycologist on the role of fungi in environmental and human health</p> <p>Paul Stamets, <i>Founder, Fungi Perfecti</i></p>
7:-00 PM	Session 23	<p><b>MEDy Awards (Medical Entrepreneurship &amp; Disruption)</b></p> <p>Selected winners share their innovative startups</p> <ul style="list-style-type: none"><li>-Most Disruptive</li><li>-One To Watch</li><li>-Best Pitch</li><li>-Most Likely to Scale</li></ul>
7:30 PM	Beach Celebration, Dinner & Bonfire	
9:30 PM	Silent Disco	



07:00 AM

Breakfast In The Innovation Lab + Morning Activities:  
Beach Run/Walk, Yoga, Meditation, Art

9:00 AM

Session 24

**Health from Around The Globe : Breakthrough / Follow Thru and Systems Innovation**

What has worked, what has failed... implementing and scaling innovation is hard. Sharing examples from around the world, of success, challenges, lessons learned, and implications to share, cross-catalyze and scale progress across the planet.

Lucien Engelen, *CEO, Transform Health*

Shawna Butler RN, MBA. *Health economist. Singularity Univ.*

John Mattison MD, *Assistant Medical Director, Chief Health Information Officer, Emeritus. Kaiser Permanente.*

Lesson from Around the World

Asia / NHS / Canada / S. America

Session 25

**Politics, Policy And Payors**

In an ever more connected, mobile, personalized and data driven world, how are payors digitizing and reimagining their role across the healthcare continuum?

Gail Boudreaux, *CEO of Anthem Inc.*

Lisa Suennen, Managing Partner *Venture Valkyrie*

Stretch & Connect / Discussion / Feedback

Session 26

**HealthCare Heroes**

Recognizing, fostering, discovering and sharing the story of uncommon heroes, from patients, caregivers, and impactful innovators of all stripes...

12:30-

Session 27

**xMed Synthesis, Where Are We, What's Next & Catalyzing The Future**

Daniel Kraft MD, *Founder & Chair, Exponential Medicine*

Shawna Butler RN MBA, *Singularity University*