



LA
BIOSCIENCE
ECOSYSTEM
SUMMIT
TWENTY24™

UCLA

THURSDAY

MAY 23, 2024

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WELCOME

Thursday, May 23, 2024
UCLA Meyer and Renee Luskin
Conference Center

SPECIAL SERVICES



USB Charging

Pre-Function Desk, 1st floor
Lounges, 2nd floor
Centennial Terrace, 3rd floor



Lounge Area

UCLA TDG Patio, 1st floor
2nd floor, North Wing
2nd floor, South Wing



Partnering Lounges

A place to take appointments with fellow attendees. Reserve a spot via the LABEST APP.
Journey, 2nd Floor, North Wing
Alliance, 2nd Floor, North Wing
Imagination, 2nd Floor, South Wing



Refreshment Stations

10:00 AM - Noon
2:00 PM - 4:00 PM
Grab a healthy snack or a treat
Pre-Function, 1st Floor
Corridor, 2nd Floor, North & South Wings



Quiet Room

Priority given to mothers first. Check with event personnel.
Synergy, 2nd Floor, North Wing



WIFI

Network	Password
Luskin_Meeting	LCC2024



Welcome

Dear LABEST Attendees,

UCLA Technology Development Group welcomes you to the 6th Annual LABEST conference. The summit continues to grow and establish itself as the main bioscience conference in Southern California with our community collaborators – City of Hope, Cedars Sinai, Caltech, Cal State LA, and USC.

We are excited to have Robert Bradway, CEO, Amgen and Christopher Viehbacher, President and CEO, Biogen as our keynote speakers.

UCLA's acquisition of the Westside Pavilion is proof that bioscience is strong in Los Angeles. The space takes on a new purpose as the UCLA Research Park. A panel of founders and leaders of the California Institute of Immunology and Immunotherapy – one of the key organizations of the research park - will provide their vision of what's to come.

The newest feature of the conference is the LABEST Research Pavilion where you can meet and interact with over 30 research programs ranging from stem cell research to theranostics. It is a rare and special opportunity to host physicians from USC, UCLA, and Cedars Sinai at one time.

Join us at the Made in LA panel where local startups – ImmPACT Bio, A2 Biotherapeutics and TORL BioTherapeutics – share their journey with us firsthand and explain why they chose Los Angeles as their place of doing business.

The afternoon will include stellar showcases with lead scientists in metabolism and neuroscience plus knowledge experts who will share their insights on startups, funding, and manufacturing.

With so much going on, make sure to download the LABEST App, a custom tool that will keep you organized and connect you to other conference attendees.

We are grateful to all our sponsors including Viatrix and CIRM and especially grateful for our continued partnership with Amgen and Kite.

Thank you for being a part of LABEST 2024.

Amir Naiberg

Associate Vice Chancellor, CEO
& President UCLA Technology
Development Group

Mark Alan Wisniewski

Senior Director, Biopharmaceuticals
UCLA Technology Development
Corporation

#LABEST2024 | tdg.ucla.edu

LUSKIN CONFERENCE CENTER

MEETING SPACE: LEVEL 1



CENTENNIAL BALLROOM
MORNING
Main Track

AFTERNOON
Panels
A | B Ballroom
Research Pavilion
C | D Ballroom

Exhibitors

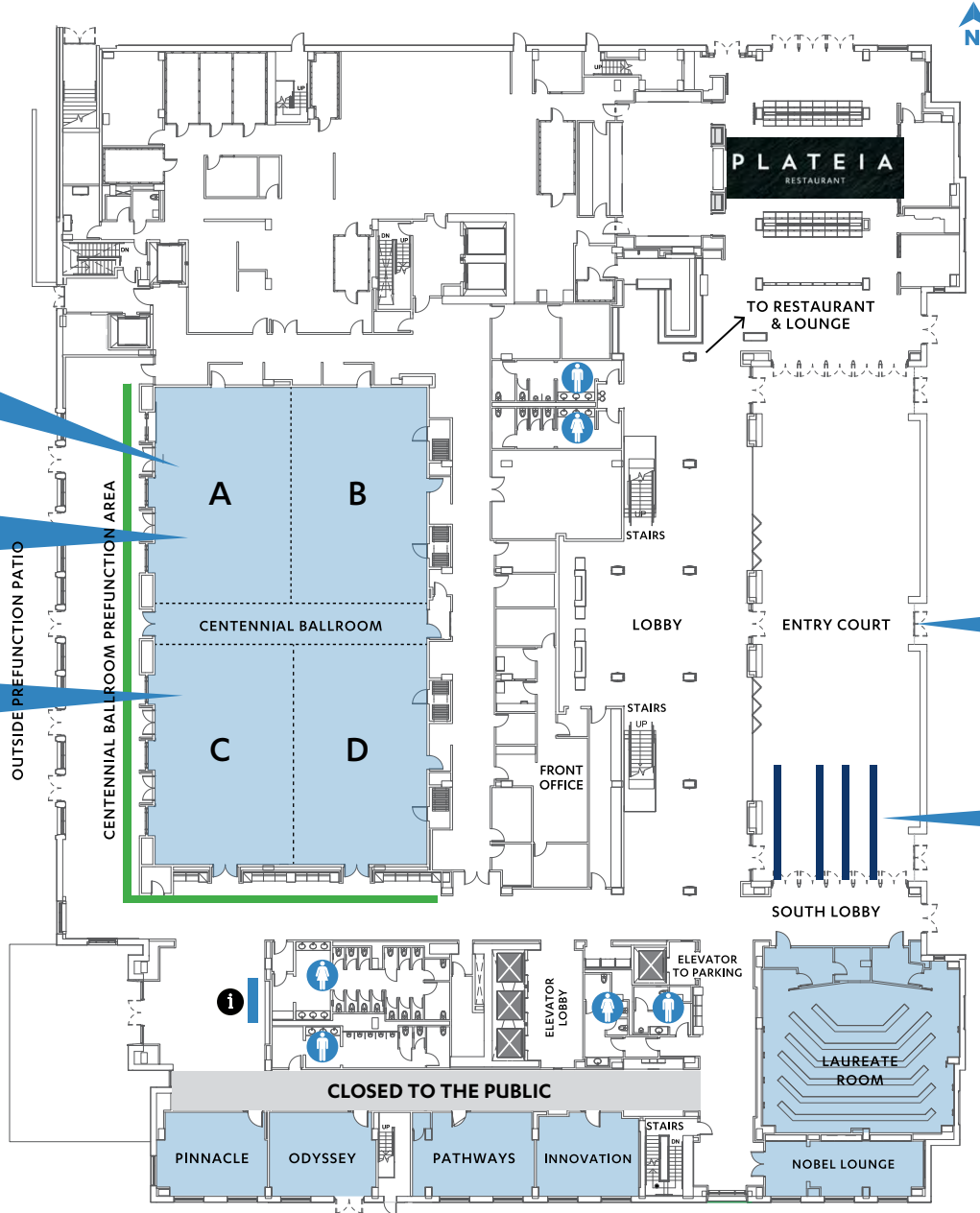


WiFi Access

NETWORK:
Luskin_Meeting
(include underscore)

PASSWORD:
LCC2024

To Parking
Structure 8



Luskin Conference Center
MAIN ENTRANCE

LABEST Attendee Check In



LUNCH
Centennial Terrace
3rd Floor

11:30am
12:10pm
12:50pm

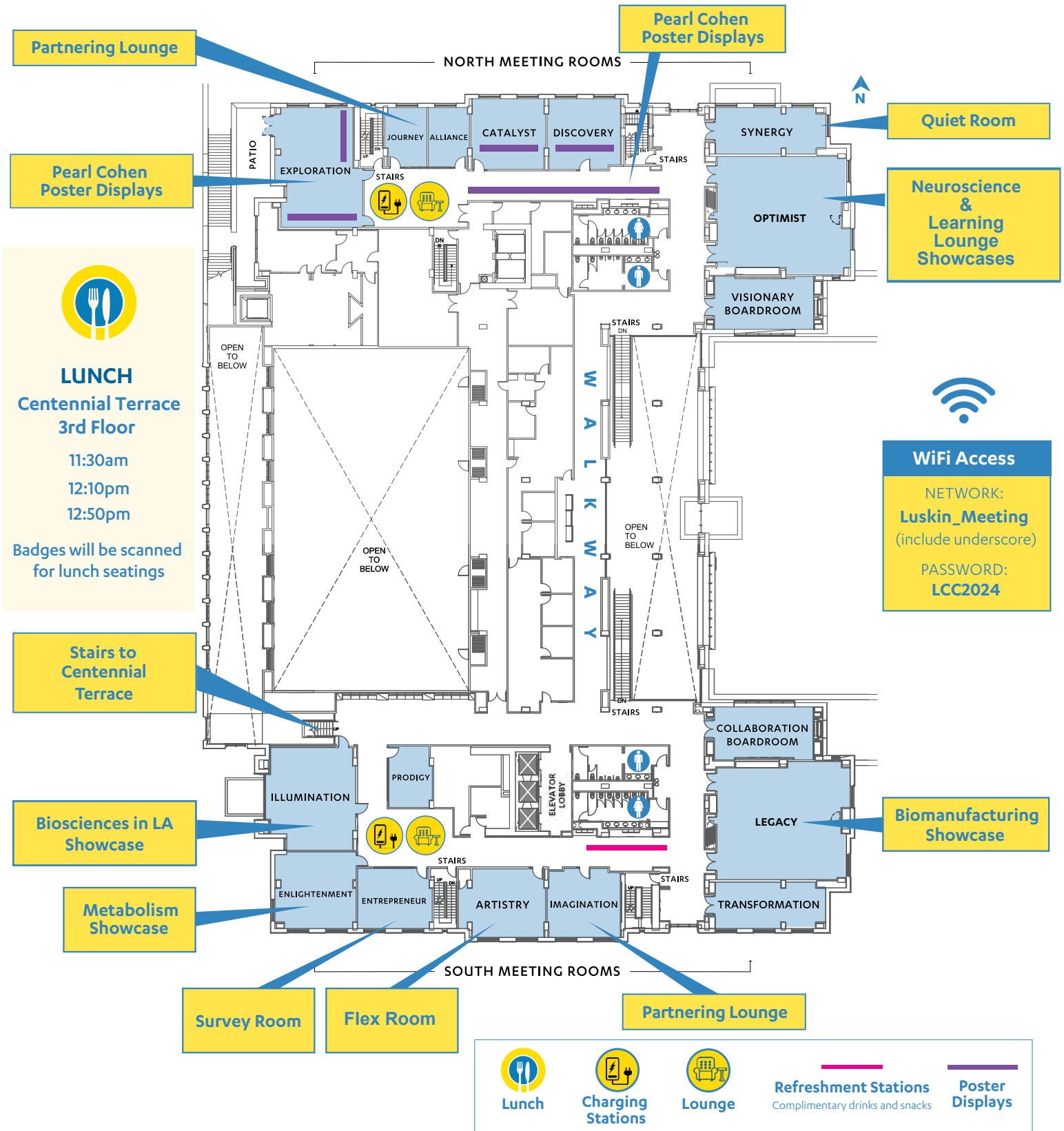
Badges will be scanned for lunch seatings

Schedule and Speakers subject to change.

#LABEST2024 | tdg.ucla.edu

LUSKIN CONFERENCE CENTER

MEETING SPACE: LEVEL 2



Main Track

 = Keynote Speaker  = Speaker  = Panel Discussion

THURSDAY, MAY 23 • LABEST 2024 MAIN EVENT

Open to all Registered Attendees

 **LUSKIN CONFERENCE CENTER**

7:30 AM  Main Entrance  **Registration Check-In & Breakfast**

8:45 AM  Centennial Ballroom  **Emcee: Judy Fortin**, Chief of Communications, [UCLA Health](#) and [DGSOM](#)

 **Welcome to LABEST**

Mark Wisniewski, Senior Director, Bio Pharmaceuticals [UCLA Technology Development Group](#)

Welcome from our Innovator Sponsors

Ray Deshaies, Senior Vice President Global Research, [Amgen](#)

Introduction to Keynote Speaker

Amir Naiberg, AVC, CEO & President, [UCLA Technology Development Group](#)

 **Keynote Speaker**

Robert Bradway, CEO, [Amgen](#)

Welcome from our Innovator Sponsors

Michele LeSueur, Vice President of Global Portfolio and Program Strategy, [Kite](#), a [Gilead Company](#)

 **California Institute for Immunology and Immunotherapy at UCLA Research Park**

Moderated by **Lindsey Williams**, Assistant Vice Chancellor for Health Sciences Development, [UCLA](#)

Founders:

Arie Beldegrun, Chairman, [Bellco Capital](#)

Eric Esrailian, Chief of the Vatche and Tamar Manoukian Division of Digestive Diseases, [DGSOM](#)

Gary Michelson, Founder and Co-chair, [Michelson Philanthropies](#)

Owen Witte, UCLA Presidential Chair and [Developmental Immunology](#)

Welcome from our Innovator Sponsors

Jonathan Thomas, Interim President & CEO, [CIRM](#)

Introduction to Keynote Speaker

Moderated by **Arie Beldegrun**, Chairman, [Bellco Capital](#)

 **Keynote Speaker**

Christopher Viehbacher, President and CEO, [Biogen](#)

Main Track

Thursday, May 23 Continued

Meet the Experts in Drug Development

Moderated by **Arie Beldegrun**, Chairman, [Bellco Capital](#)

Panelists:


James Bradner, Executive Vice President R&D and CSO, [Amgen](#)

Jane Grogan, Executive Vice President and Head of Research, [Biogen](#)

Priti Hegde, Senior Vice President and Global Head of Research, [Kite](#),
a Gilead Company

Zachary Roberts, Executive Vice President of R&D, [Allogene](#)


Kanti Thirumoorthy, CTO (T-cell Therapy), [AstraZeneca](#)

11:30AM  Centennial
12:10 PM Terrace,
12:50 PM 3rd Floor

Lunch on the Terrace

3 lunch seatings, each lasting no more than 40 minutes

- Badges will be scanned for lunch seatings
- When the chimes ring, your lunch has ended
- Please be courteous to your fellow hungry attendees

12:00 PM -  Artistry Room,
1:00 PM 2nd Floor,
South

How to Achieve the Robust Intellectual Property (IP) Protection of Artificial Intelligence (AI) Powered Digital Health Innovation

AI-powered digital health innovation involves merging AI solutions with expert knowledge or techniques to solve complex life sciences or healthcare problems. In this presentation, we'll discuss how to strategically build an IP portfolio around AI-powered digital health innovation.

Speakers:

Roger Kuan, Partner, US Head of Digital Health and Precision Medicine, Norton Rose Fulbright US

Jason Novak, Partner-in-charge, Norton Rose Fulbright US

1:30 PM  Centennial
Ballroom AB

Made in LA: Case Studies in Bio Success

Hear why several startups call the "City of Angels" their home

Moderated by **Amir Naiberg**, AVC, CEO and President, [UCLA Technology Development Group](#)

Panelists:

Mark Alles, CEO, [TORL BioTherapeutics](#)

Martha Lawrence, Co-Founder, [AccendoWave](#)

Sumant Ramachandra, CEO, [ImmPACT Bio](#)

James Robinson, CEO, [A2 Biotherapeutics](#)

Thursday, May 23 Continued

2:30 PM - Centennial
5:30 PM Ballroom CD



LABEST Research Pavilion A MUST SEE!

Featuring therapeutic and diagnostic innovations from over 35 presenters across the Los Angeles academic landscape.

4:00 PM Centennial
Ballroom AB



Women's Health: Innovative Research Models in Science and Medicine

Moderated by **Janet Pregler**, Director and [Iris Cantor Endowed Chair in Women's Health](#)



Introduction: The White House Initiative on Women's Health & Outlook for NIH Support for Sex & Gender Research

Andrea Hevener, Director of Basic Science Research, [Iris Cantor UCLA Women's Health Center](#), Sidney Roberts & Clara Szego Endowed Professor of Molecular/Cellular Endocrinology



Artificial Intelligence to Improve Detection of Women's Cancers

A. Lenore Ackerman, Associate Professor of [Urology and Obstetrics and Gynecology, Urogynecology](#)



Chip Technology to Prevent Maternal Death

Yalda Afshar, Assistant Professor of Obstetrics and Gynecology, [UCLA Maternal Fetal Medicine](#)



Stem Cell Approaches to Infertility, Ovarian Disease, Dysfunction, and Aging

Amander Clark, Professor of Molecular Cell and Developmental Biology, Director, [UCLA Center for Reproductive Science, Health and Education \(CRSHE\)](#)



The Four Core Genotype Approach to Understand Estrogen/ Testosterone and XX/XY Contributions to Sex Differences in Health and Disease

Karen Reue, Professor of Human Genetics, Director, [UCLA NIH Scientific Center of Research Excellence on Sex Differences in Metabolic Syndrome](#)



Heart Disease in Women

Karol Watson, John Mazziotta Chair in Medicine, Director, [UCLA-Barbara Streisand Women's Heart Health Program](#)



Cancer Commons: Innovation in Precision Cancer Care

Marty Tenenbaum, Founder and Chairman, [Cancer Commons](#)

Research Pavilion



2:30 PM
to
5:30 PM



Centennial
Ballroom
CD, 1st
Floor

Featuring therapeutic and diagnostic innovations from over 35 presenters across the Los Angeles academic landscape.

Interventional Cardiovascular
Anesthesiology

Interventional Cardiovascular
Imaging

Interventional Pulmonology

Interventional Heart Failure &
Transplantation

Interventional Neuroradiology

Interventional Radiology

Interventional
Gastroenterology

Interventional Congenital
Adult Heart Disease

Interventional Oncology

Interventional Vascular
Surgery

Interventional Cardiac Surgery

Interventional
Neurocardiology

Interventional Radiation
Oncology

AI Driven Advanced Imaging
for Patients with Solid Organ
Tumors

Broad Stem Cell Research
Center at UCLA

Cal State Los Angeles

Cedars Sinai/Precision
Biomarker Lab

Food is Medicine, Precision
Nutrition, Individual Metabolic
Phenotype & Dietary Quality

Innate-Adaptive
Immunoregulation in
Liver Transplant Ischemia/
Reperfusion Injury

Multiscale Innovations in
Male Reproductive and
Sexual Medicine

Novel Diagnostics for
Infectious Disease Testing

PEERS for Careers: A Program
within UCLA College to
Career (C2C) & UCLA Center
for Autism Research and
Treatment (CART)

Principles of Chromatin
Biology and Investigating
the Causes of Cardiovascular
Disease

Role of HLA and its
Coreceptors in Endothelial
Cell Activation and Leukocyte
Recruitment in Antibody-
mediated Transplant Rejection

SMART (Single Cell, Multiplex,
AI-driving, Real-Time)
Diagnostic Platform for the
Next Generation Diagnostic
Service for Cancer and Various
Diseases

Software That Enables
Precision Recommendation
of Treatment Choices for
Patients, Based on Their
Clinical Characteristics and
Preferences for Outcomes

Studies on the Pathogenesis
of Kidney Stones Using
Multidisciplinary Techniques
and in Collaboration with
Experts in Fields Ranging from
Microbiology to Geology

Surgi-Zipper: A Bio-
Absorbable Suture
Reinforcement Designed for
Dynamic Organs

Systems Epigenomics of
Persistent Bloodstream
Infections for MRSA, Candida
and Covid-19

Systems Immunology to
Assess Host Immunity to Viral
Pathogens

Therapy Response Prediction
through Nuclear
Histomorphometric
Image Analysis

UCLA Center for Autism
Research and Treatment
(CART) & PEERS for Careers: A
Program within UCLA College
to Career

UCLA Theranostics Center

USC Stevens Center/MESH

Utilization of MRI, Machine
Learning and High-Resolution
Ultrasound to Optimize
Cancer Diagnosis and Change
the Way Men are Diagnosed
With Prostate Cancer

VA Greater Los Angeles
Nephrology Research:
Kidney Disease and Dialysis/
Transplantation Outcomes

Showcases

 = Keynote Speaker


 = Speaker

 = Panel Discussion

12:30 PM - 5:30 PM

LABEST Showcases

A deep dive into various topics

12:20 PM - 1:30 PM  Illumination,
2nd Floor,
South Wing

The State of the Region: Biosciences in LA

In this follow-up panel discussion, both returning panelists from LABEST 23 and new guests will report on developments in their work and observations on the state of the biosciences in the region.

Hosted by [Larta Institute](#) and [The Lundquist Institute](#)

Moderated by **Rohit Shukla**, CEO, [Larta Institute](#)

Panelists:

Lindsay Bourgeois, Director of Business Operations & Strategy Director, [BioLabs LA](#) at the Lundquist Institute

Stephen Cheung, CEO, [LAEDC](#)


Fran Fulton, Economic Development Manager, [City of Torrance](#)

Teresa Garcia, Senior Project Manager, [City of Pasadena](#)

Dan Gober, Executive Director, [Biocom California](#)

Kelly LoBianco, Director, Department of Economic Opportunity, [County of Los Angeles](#)

Howard Xu, Director, Incubator Development and Planning, Professor of Microbiology, [LABiospace](#), California State University, Los Angeles

1:30 PM - 2:40 PM  Legacy AB,
2nd Floor,
South Wing

Biomufacturing

Welcome

Shyam Patel, Senior Director of Business Development and Alliance Management, [CIRM](#)

Showcase Keynote

Louis van de Wiel, Vice President, Head of Global Supply Chain, [Kite](#), a Gilead Company

UCLA Good Manufacturing Practices - Past and Future

Sujna Raval-Fernandes, Director, Human Gene and Cell Therapy, [UCLA GMP Facility](#)

Bridging Innovation: Constructing the Future of Bioscience Manufacturing

Marcella Ayala, National Director of Life Sciences, [Swinerton](#)

Showcases

2:40 PM -
3:30 PM

📍 Legacy AB,
2nd Floor,
South Wing

Academic-Industry Collaborations that Advance Manufacturing Workforce Training and Technology Development

Hosted by [CIRM](#) and [NIIMBL](#) Biomanufacturing Consortium

Moderated by **Shyam Patel**, Senior Director of Business Development and Alliance Management, [CIRM](#)

Panelists:

Taby Ahsan, Vice President, Cell and Gene Therapy Operations, [City of Hope](#)

Chander Arora, Biotech Program Director, Life Sciences Department, [Los Angeles Mission College](#)

Dan St Peter, Head of Manufacturing, [ImmPACT Bio](#)

Dhruv Sareen, Executive Director, [Cedars-Sinai Biomanufacturing Center](#)

Hot Topic: Metabolism

Current gaps in knowledge and technology, and emerging solutions.

1:30 PM

📍 Enlightenment
Room,
2nd Floor,
South Wing

Immunometabolism as a drug target

Moderated by **Elizabeth Tarling**, Associate Professor-in-Residence, Medicine, [UCLA](#)

2:30 PM

📍 Laureate
Classroom,
1st Floor, South

Weight loss treatments and their complications

Moderated by **Orian Shirihai**, Professor of Medicine (Endocrinology) and [Molecular and Medical Pharmacology](#), UCLA

Speakers:

Brian T. Bloomquist, Vice President, Diabetes and Obesity External Innovation, [Eli Lilly](#)








Alborz Mahdavi, VP [Eli Lilly](#) and CEO, Protomer Technologies

Guy Rosenthal, Vice President, Head of Corporate and Business Development, [Laekna](#)

Tari Suprpto, Director, Search & Evaluation (Western USA and Canada), [Novo Nordisk](#)

Douglas Tsao, Managing Director, [H.C. Wainwright](#)

Showcases

- 3:50 PM**  Enlightenment Room, 2nd Floor, South Wing **Healthy aging and neurodegenerative diseases**
Moderated by **Jonathan Wanagat**, Professor of [Geriatrics, UCLA](#)
Speaker:
Christina Weng, Chief Medical Officer, [Pelage](#)
- 1:00 PM - 2:00 PM**  Optimist AB, 2nd Floor, North Wing  **Hot Topic : Neuroscience**
Basic Neuroscience with Clinical Translation Potential
Rhonda Voskuhl, Professor, [UCLA Dept. of Neurology](#); Director, UCLA Multiple Sclerosis Program; Faculty Neurologist, UCLA Comprehensive Menopause Care Program; Jack H. Skirball Chair
Lindsay M. De Biase, Assistant Professor, [Department of Physiology](#); David Geffen School of Medicine at UCLA
Jason Hinman, Associate Professor & Vice Chair of Research, UCLA Department of Neurology; Stroke Program Director, [WLA VA Medical Center](#)
-  **Learning Lounge** hosted by [King and Spalding](#)
Check LABEST app for speaker announcements.
- 1:00 PM**  Laureate Room, 1st Floor, South **Applying for Government Incentives and Grants for Startups**
- 2:15 PM**  Optimist, 2nd Floor, North Wing **How to Connect with Funders and Capital Investment**
- 4:15 PM**  Optimist, 2nd Floor, North Wing **What Every Start-Up Needs to Know about Patent Protection and FDA Approval**

Conference Activities



LABEST 2024 Closing Reception



5:30 PM - 7:30 PM 3rd Floor, Centennial Terrace

Celebrate LABEST 2024 with complimentary appetizers and drinks.
Enjoy the UCLA Jazz Band!



Sponsor Exhibit Booths

Pre-Function Area, 1st Floor

A2 BIOTHERAPEUTICS	KITE, A GILEAD COMPANY
AMGEN	LARTA
BIOCOM	NORTON ROSE FULBRIGHT
BioLabs	PEARL COHEN
BREAKTHROUGH PROPERTIES	SYNGENE INTERNATIONAL
CHARLES RIVER LABS	SWINERTON
CIRM	THE WATERMARK
CVENT	UCLA TECHNOLOGY DEVELOPMENT GROUP
ImmPACT BIO	UNIVERSITY LAB PARTNERS (ULP)
JOHNSON & JOHNSON INNOVATION	

PEARL COHEN

Pearl Cohen Poster Displays

Catalyst, Discovery,
Exploration, 2nd Floor,
North Wing

11:30 AM - 5:30 PM

3:30 PM - 5:30 PM Meet Poster Authors

Over 50 Scientific Posters on display
from the best and the brightest



Making an **Impact** in Los Angeles



The California Institute for Regenerative Medicine (CIRM) accelerates various stages of research, funds infrastructure programs, and grows California's diverse workforce to advance therapies to patients.

Accelerating Innovative Research

CIRM funds regenerative medicine research in three main stages that build upon one another: Discovery, Translational, and Clinical. To date, CIRM has invested **more than \$3 billion** in these areas to advance therapies to patients, including funding 100+ clinical trials for diseases and conditions like cancer and diabetes.

Enhancing Stem Cell Research Training and Education

CIRM funds education and training programs in the Los Angeles region to help train the next generation of stem cell scientists, including high school, undergraduate, and graduate students to doctoral candidates and clinical fellows.

CIRM'S IMPACT BY THE NUMBERS

\$1.2 BILLION+

invested into the LA region over 381 CIRM awards

\$126 MILLION+

invested in Education & Training Programs in the LA region

\$144 MILLION+

invested in LA-based Infrastructure projects, including Alpha Clinics and Manufacturing Network sites



Changing the way cancer is treated.

Kite's singular focus is cell therapy
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to showcase bioscience innovation in Los Angeles.



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BioscienceLA is proud to be a partner to UCLA TDG – on LABEST, the MedTech Partnering Conference, and other programs and events

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Located five miles from downtown Los Angeles and adjacent to the 10 and 710 freeways, LA BioSpace @Rongxiang Xu Bioscience Innovation Center is the region's premier incubator for life science venture creation and development. Our objective is to create industry defining startups that improve human health, while promoting inclusive innovation & entrepreneurship within Cal State LA and the surrounding community. We provide entrepreneurs and innovators with facilities, resources, training and knowledge to launch and scale startup ventures and spur regional economic development.

AMENITIES

- Coworking office workstations (desks)
- Private offices
- Coworking lab benches
- Private labs
- Conference rooms
- Large meeting/event spaces for 100+ attendees
- Large graduation (1,600 or 3,200 sq ft)
- Over 5M state-of-the-art shared lab equipment



ADVANTAGES

- Centrally located, with Metrolink and bus stations
- Opportunity to collaborate with diverse faculty & students
- Internship opportunities in resident startups
- Cal State LA is No. 1 in the US for upward mobility
- Cal State LA is a Hispanic-Serving Institution; 70% of students are Hispanic
- Free or discounted Biocom memberships for resident startups



COST

- Membership Fee - \$300
- Desk Space - \$500
- Private Offices - \$1,400 and up
- Lab Bench - \$1,500
- Private Lab - Inquire
- Conference Space Rental - Inquire



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We are an organization run by academics and biotech professionals from all over Los Angeles. We bring academia and the biotech industry together to drive innovation forward. We inspire, educate and connect emerging scientists and entrepreneurs to grow and diversify biotech in LA.

Annual Events

BCLA's key events bring in over 100 attendees looking to connect with companies and career professionals. In addition to these, we often host networking mixers and webinars.

- Healthcare Summit
- Bioscience Talent Connection
- Biotech Summit

BCLA Consulting

Propel your biotech success with customized strategic planning, expert market insights, and thorough technology assessments by BCLA Consulting - Los Angeles' premier graduate student consulting group.

- Strategic Planning
- Indication Prioritization
- Technology Assessment
- Market Opportunity Analysis

Interested in our services or want to learn more?
Please contact us at consulting@bc-la.org.

Collaborations and Sponsorship Opportunities

Are you interested in promoting your company or collaborating to promote the biotech ecosystem in LA? Email us at team@bc-la.org

Kate living with ALS

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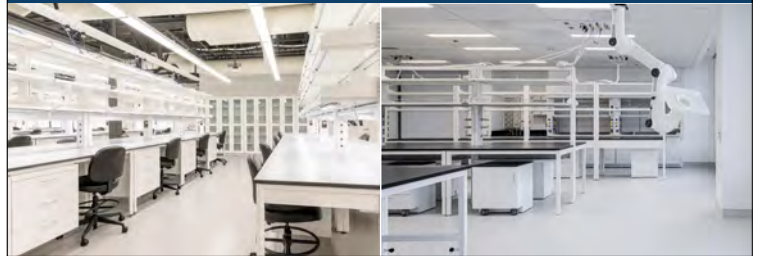
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 **Breakthrough**
PROPERTIES



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A PROGRAM BY UCLA VENTURES



Bruin Founders is a Mentor-in-Residence (MIR) program by UCLA Technology Development Group and UCLA Ventures aimed at serving the entrepreneurial ecosystem at UCLA. Bruin Founders seeks to offer hands-on guidance to UCLA affiliated entrepreneurs launching a startup or scaling a business with added support from our member community of UCLA alumni & friends.

To learn more please visit us on our website at:

tinyurl.com/ypfpkry7

Any questions? Please reach out to the contact below.

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Program Director
310-794-0936
uclaventures@tdg.ucla.edu

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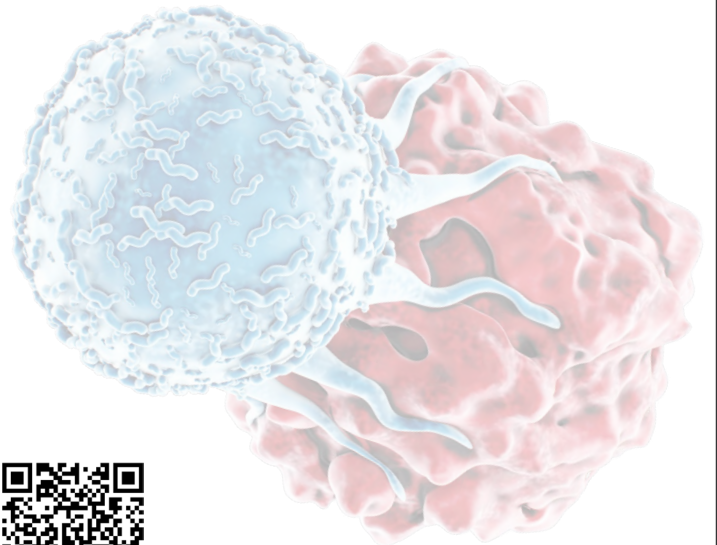
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UCLA Technology Development Group (TDG) serves as a campus-wide gateway to Innovation, Research and Entrepreneurship. This is our 6th year of producing the Los Angeles Bioscience Ecosystem Summit - LABEST. It is a conference that brings together faculty, industry and investors for a day of conversation and connection. Thank you for attending the event.

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