

**ALTERNATIVE
MUSCLE
CLUB
2016**

SAN DIEGO

**Meeting
Program**



*THE SANFORD
CONSORTIUM
FOR REGENERATIVE
MEDICINE*

**Friday,
September 30th,
2016**

We gratefully acknowledge the support of the following organizations and people, who helped to make this meeting happen

INVOLVED INSTITUTIONS

 UC San Diego



ORGANIZATIONAL AND CORPORATE SPONSORS



SDMRC/IEM - Lorenzo Puri, Alessandra Sacco, Velia Fowler, Sam Ward, Ju Chen, Ken Tomory

PPMD - Carol Gregorio, Patricia Furlong

Genea Biocells - Heather Main, Debra Bressaw

Stemonix - Fabian Zanella

ACEA - Leyna Zhao

VWR - Jilan Knoblauch

Eppendorf - Michael Sutton, Melody Wilkinson

Aurora Scientific - Matthew Borkowski

PREFACE**Thank you for attending the Alternative Muscle Club 2016!**

Welcome to the 4th American Alternative Muscle Club meeting. This year we are back in San Diego at the Sanford Consortium for Regenerative Medicine.

With close to 90 attendees and over 60 abstracts we are certain that this years AMC meeting will be another great success. Genea Biocells has kindly agreed to sponsor this years Young Investigator Award, and the poster prizes. We would also like to extend our gratitude to the institutional support we receive, and to our corporate sponsors!

The AMC has always been a meeting for young scientists with a strong emphasis on career support and networking. Therefore, we are continuing the translational medicine workshop that is run in collaboration with the Parent Project Muscular Dystrophy. We also added a panel on 'transitioning to industry' to this years meeting, which may be of interest to a lot of graduate students and postdoctoral fellows.

Most importantly we hope that you enjoy this years AMC meeting. We are sure that the scientific breadth and quality of the research and its participants will make for an exciting meeting!

With kind regards,
The meeting organizers.

Abby Buchwalter

Stephan Lange

Jordan Blondelle

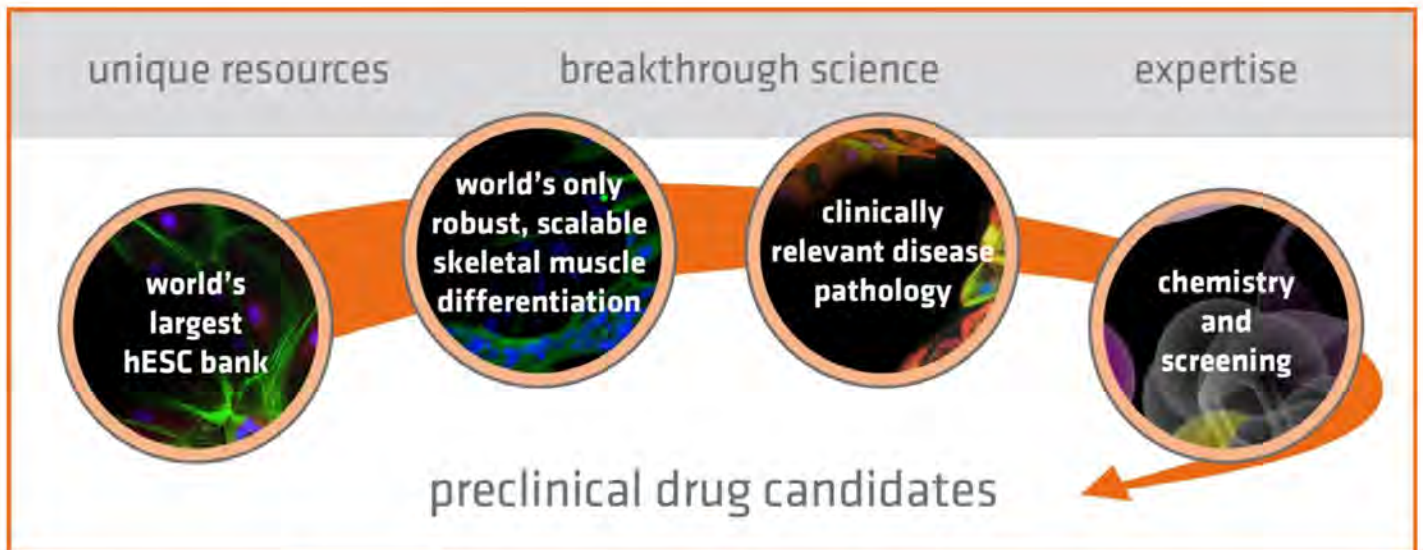
Julius Bogomolovas

Matthew Stroud

Sabine van Dijk

Stefanie Novak

YOUR EXPERT PARTNERS IN NEUROMUSCULAR RESEARCH



Optimize your culture processes for clinical translation

Our powerful chemical biology platform can identify small molecules to replace critical biologics in your culture media or adapt your process to biologics reduced formulations for easier and more cost-effective clinical translation.

Targeted chemistry and screening solutions for your disease of interest

We can develop disease models or adapt and optimize your disease model to high-content phenotypic screening and design targeted compound libraries, perform drug screens and hit follow-up, analoging, structure-activity studies, optimization and hit-to-lead advancement.

We can also work with your human pluripotent stem cell lines

We are happy to use your cell lines for any service provided to you – screening, process optimization, cell banking, cell differentiation and supply – applying the same strict quality control as for our own cell lines.

Cell, media & compound supply, tailored to your needs

All our products are highly customizable: for example cells frozen at different developmental stages, adjusted cell number per vial, quality control with markers important to your application or compounds pre-diluted in your culture medium.

Genea Biocells is a neuromuscular disease-focused discovery stage company using proprietary human pluripotent stem cell technologies. Genea Biocells also provides contract research services to pharma and supplies reagents to strategic academic collaborators. Genea Biocells has one of the world's largest banks of pluripotent human embryonic stem cells and developed the world's first consistent, scalable and high-yield differentiation process for functional skeletal muscle cells.

For more information email info@geneabiocells.com or visit geneabiocells.com

INDEX

Meeting Outline	6
Scientific Podium Sessions	8
<i>Registration</i>	8
<i>Podium Session 1</i>	8
<i>Podium Session 2</i>	9
<i>Eureka Network-Duchenne (END) Translational Medicine Workshop</i>	9
<i>Lunch & Scientific Poster Session</i>	9
<i>Transition to Industry Panel</i>	10
<i>Podium Session 3</i>	10
<i>Podium Session 4</i>	11
<i>Poster and Young Investigator Award Ceremony</i>	11
<i>Reception / Networking / Social Event</i>	11
Scientific Poster Session	12
<i>Section 1 - Muscle/Cardiac Vasculature</i>	12
<i>Section 2 - Muscle Structure, Function & Signaling</i>	13
<i>Section 3 - Muscle Regeneration</i>	14
<i>Section 4 - Muscle Development</i>	14
<i>Section 5 - Muscle Biophysics & Biomechanics</i>	15
<i>Section 6 - Late breaking</i>	15
Career Development / Meeting Benefits	17
Venues	20
Parking and Directions	21
Public Transport	22
Lodging	23
Contact	23
Organizing Committee	23
Participants	25

MEETING OUTLINE

<u>TIME</u>	<u>TOPIC</u>	<u>WHERE?</u>
7:45am-8:25am	Registration, Breakfast, Poster hanging	<i>Bella Vista Caffé & Terrace Sanford Lobby</i>
8:25am-8:30am	Welcome Address	<i>Duane J Roth Auditorium</i>
8:30am-9:45am	<i>Podium Session 1</i>	<i>Duane J Roth Auditorium</i>
9:45am-10:00am	Coffee Break	<i>Bella Vista Caffé & Terrace</i>
10:00am-11:15am	<i>Podium Session 2</i>	<i>Duane J Roth Auditorium</i>
11:15am-11:50am	<i>Eureka Network-Duchenne (END) Translational Medicine Workshop</i>	<i>Duane J Roth Auditorium</i>
11:50am-1:45pm	Lunch break & Poster session	<i>Bella Vista Caffé & Terrace Sanford Lobby</i>
12:15pm-1:45pm	<i>Poster Session</i> <i>odd numbered posters: 12:15pm-1pm even numbered posters: 1pm-1:45pm</i>	<i>Sanford Lobby</i>
1:45pm-2:30pm	<i>Transition to industry panel</i>	<i>Duane J Roth Auditorium</i>
2:30pm-3:45pm	<i>Podium Session 3</i>	<i>Duane J Roth Auditorium</i>
3:45pm-4pm	Coffee Break	<i>Bella Vista Caffé & Terrace</i>
4pm-5:30pm	<i>Podium Session 4</i>	<i>Duane J Roth Auditorium</i>
5:30pm-5:45pm	Award Ceremony	<i>Duane J Roth Auditorium</i>
from 5:45pm	Reception / Networking / Social Mixer	<i>Bella Vista Caffé & Terrace</i>



iem

**UC San Diego Institute of
Engineering in Medicine**



The San Diego Muscle Research Center (SDMRC) is one of the IEM centers of excellence. Its mission is to provide investigators with the infrastructure and environment to accelerate their cutting-edge muscle research in an efficient and cost-effective manner.

<http://sdmrc.ucsd.edu>

UC San Diego

Institute of

Engineering in Medicine

The Institute of Engineering in Medicine (IEM) was established in 2008 at UC San Diego to bring together outstanding faculty in its Jacobs School of Engineering, the School of Medicine and other units, for interdisciplinary research and education.

Our mission is to accelerate discoveries of innovative science and technology through teamwork and facilitate their translation to improve healthcare delivery.

The IEM is composed of seven Centers focusing on diseases and systems and nine Centers for technologies, education and industry collaboration.

<http://iem.ucsd.edu>



SCIENTIFIC PODIUM SESSIONS

REGISTRATION

BELLA VISTA CAFFÉ & TERRACE

7:45am-8:25am **Registration** / Coffee / Social
Poster presenters: Please hang up your posters!
Presenters for Session 1, please set up your computers.

PODIUM SESSION 1

Duane J Roth Auditorium

Session Chairs: Jordan Blondelle & Abby Buchwalter

8:25am-8:30am **Welcome address**

8:30am-8:45am Jason Pellman:
A Novel Role for SNARE Proteins in Cardiac Desmosomal Biology and Disease.

8:45am-9am Miensheng Chu
Fragile-X related protein 1 regulates gap junction remodeling in cardiomyocytes.

9am-9:15am Adrian Arrieta
MANF, a Structurally Unique ER stress-inducible Chaperone, Restores ER-protein Folding in ER Stressed Cardiac Myocytes & in the Ischemic Heart.

9:15am-9:30am Daniel Smith
Identifying Novel Interacting Partners for the UNC-45 Chaperone in Drosophila melanogaster.

9:30am-9:45am Yoshitake Cho
Perm1 (PGC-1 and ERR-induced Regulator, Muscle 1) is required for exercise-induced mitochondrial biogenesis and enhances oxidative capacity in skeletal muscle.

15 minutes break

PODIUM SESSION 2

DUANE J ROTH AUDITORIUM

Session Chairs: Stephan Lange & Julius Bogomolovas

- 10am-10:15am Francesca Boscolo Sesillo
p53 Balances Self-Renewal and Myogenic Commitment of Muscle Stem Cells Upon Activation.
- 10:15am-10:30am Michael Yu
Engineering Multipotent Cardiogenic Progenitors and Cardiomyocytes for Regenerative Medicine and Disease Modeling Purposes.
- 10:30am-10:45am Erik Blackwood
ATF6 Is Required For ANP Secretion From The Heart.
- 10:45am-11am Sadie Ingle
Generation of a minipig model for genetic hypertrophic cardiomyopathy.
- 11am-11:15am Anthony Hessel
Optimal muscle length is the same for twitch and tetanic contractions in muscles from mdm mice: a role for titin in isometric force production?
-

EUREKA NETWORK-DUCHENNE (END) TRANSLATIONAL MEDICINE WORKSHOP

DUANE J ROTH AUDITORIUM

Session Chairs: Brett Colson and Leonela Amoasii

- 11:15am-11:50am The Eureka Network-Duchenne (END) Translational Medicine Workshop.
-

LUNCH & SCIENTIFIC POSTER SESSION

BELLA VISTA CAFFÉ & TERRACE, SANFORD LOBBY

- 11:50am-1:45pm Lunch
- 12:15pm-1:45pm **Poster Session**
Odd numbered posters: 12:15pm-1pm
Even numbered posters: 1pm-1:45pm

TRANSITION TO INDUSTRY PANEL

DUANE J ROTH AUDITORIUM

1:45pm-2:30pm Transition to Industry Panel.
Fabian Zanella - Stemonix
David Gokhin - Carling Communications
Indroneal Banerjee - Abbvie
Heather Main - Genea Biocells

PODIUM SESSION 3

DUANE J ROTH AUDITORIUM

Session Chairs: Sabine van Dijk and Jordan Blondelle

2:30pm-2:45pm Joanna Palade
Identification of satellite cells from anole lizard muscle and demonstration of increased musculoskeletal potential.

2:45pm-3pm Constanza Cortes
Skeletal muscle control of systemic metabolism: a role for Transcription Factor E-B (TFEB) signaling.

3pm-3:15pm Valeria Marrocco
Pharmacological inhibition of PKC θ in vivo improves healing in mdx mice.

3:15pm-3:30pm Juliane Campos
 β 2-adrenoreceptor agonist improves autophagy in skeletal muscle weakness/wasting.

3:30pm-3:45pm Patrick Desmond
Identification of Small Ankyrin 1 as a novel SERCA1 regulatory protein in Skeletal Muscle.

15 minutes break

Please remember to take down your posters!

PODIUM SESSION 4

DUANE J ROTH AUDITORIUM

Session Chairs: Stefanie Novak & Stephan Lange

- 4pm-4:15pm Tzu-Han Lin
Role of Rab35 and Endosomal Trafficking in T-tubule Remodeling.
- 4:15pm-4:30pm Michael Hicks
Human developmental myogenesis identifies enrichment and maturation strategies for hPSC-derived skeletal muscle.
- 4:30pm-4:45pm Cassandra Happe
Mechanical Patterning Improves Neuromuscular Junction-in-a-dish Modeling.
- 4:45pm-5pm Michael Stec
Fbxw7 is a novel regulator of skeletal muscle stem cell expansion.
- 5pm-5:15pm Bradley Nelson
Adeno-associated virus serotype 9 gene therapy for the treatment of Danon disease.
- Industry special - novel applications*
- 5:15pm-5:30pm Fabian Zanella
microHeart: A screening-ready, physiologically relevant human iPSC-derived cardiomyocyte platform.
-

POSTER AND YOUNG INVESTIGATOR AWARD CEREMONY

DUANE J ROTH AUDITORIUM

- 5:30pm-5:40pm **AMC Genea Biocells Poster Awards**
AMC Genea Biocells Young Investigator Awards
-

RECEPTION / NETWORKING / SOCIAL EVENT

BELLA VISTA CAFFÉ & TERRACE

starting at 5:45pm **Reception**

Please remember to take down your posters!

SCIENTIFIC POSTER SESSION

Posters should be mounted on the poster boards in the Sanford Consortium Lobby before 10am. There will be a formal poster session after lunch, from 12:15pm-1:45pm, although AMC attendees are welcome to browse and discuss posters whenever they wish. Posters must be taken down before 6pm. *Please note that we cannot save any posters that remain hung up after that time.*

GENEA BIOCELLS POSTER AWARDS



An independent jury of senior scientists selects the six best poster presentations during our poster session for the “Genea Biocells Poster Award”. The winners will be announced at the end of the Scientific Sessions at 5:30pm.

We gratefully acknowledge Genea Biocells for sponsoring the poster and young investigator awards this year.

*Presenters of **odd numbered posters** should be at their poster. 12:15pm-1pm*

*Presenters of **even numbered posters** should be at their poster 1pm-1:45pm*

SECTION 1 - MUSCLE/CARDIAC VASCULATURE

POSTER NO. NAME / TITLE

1. Chao Chen
Novel Variants in VINCULIN and TROPOMYOSIN1 Combinatorially Predispose Patients to Dilated Cardiomyopathy
2. Ramon Diaz Trelles
Hypoxia tolerance and cardioprotection in the adult heart
3. Marcy Martin
SREBP2-Induced EndoMT Contributes to Pulmonary Fibrosis
4. Mei Methawasin
Upregulating compliant titin in the heart attenuates left ventricular stiffness in a mouse model with diastolic dysfunction.
5. Gerburg Schwaerzer
“Role of protein kinase G signaling in aortic wall maintenance and repair”

SECTION 2 - MUSCLE STRUCTURE, FUNCTION & SIGNALING

6. Patrick Magrath
Development of MRI Methods Towards Evaluating Cardiomyocyte Performance in Duchenne Muscular Dystrophy
7. Matthew Bills
Development of an in vitro assay for assessing cardiomyocyte function
8. Eric Carruth
Regional Gradients in Tissue Anisotropy During Pressure Overload Hypertrophy Reflect Endogenous Heterogeneity in the Rat Ventricles
9. Brett Colson
Cardiac Myosin-Binding Protein C Structural Dynamics - a Time-Resolved FRET Biosensor for Enhanced Contractility in Heart Failure Therapeutic Discovery
10. Argus Sun
Force Thresholds: Modeling Subcellular Myocyte Mechanotransduction
11. James Caldwell
X-ray crystallography structures of Drosophila striated muscle myosin II
12. Andrew D'Lugos
High Intensity Exercise Preserves Myocellular Size and mTOR Signaling During Doxorubicin Treatment
13. Michael Gibbons
Histological Assessment of Chronically Torn Human Rotator Cuff Muscles: Evidence of Degeneration, Regeneration and Remodeling
14. Charles Gray
CaMKII δ subtypes differentially regulate infarct formation following ex vivo myocardial ischemia/reperfusion through NF- κ B and TNF- α
15. Sherin Hashem
LAMP-2 deficiency impairs mitophagy and promotes mitochondrial damage in models of Danon disease
16. Valeria Marrocco
CARP1-mediated signaling in dilated cardiomyopathy
17. Stefanie Novak
Elucidating the role of phosphorylation on thin filament length regulation in cardiomyocytes
18. Kristoffer Svensson
Markers of mitochondrial biogenesis are not altered by overexpression of SIRT1 in skeletal muscle of adult mice

19. Sabine van Dijk
Binding of the M-domain of Cardiac Myosin Binding Protein C to Actin Contributes to the Regulation of Cardiac Contraction
20. Robbert van der Pijl
Diaphragm hypertrophy following passive stretch: a role for titin-based mechanosensing?
21. Jianlin Zhang
Physiological function of prion protein in the heart.

SECTION 3 - MUSCLE REGENERATION

22. Alessandra Castaldi
C-kit+ cells resident in adult heart are susceptible to aging
23. Melissa Hernandez
Injectable Skeletal Muscle Matrix in Aged Mouse Model of Peripheral Artery Disease
24. Jessica Ungerleider
Extracellular Matrix Hydrogel Promotes Tissue Remodeling, Arteriogenesis, and Perfusion in a Rat Hindlimb Ischemia Model
25. Barbora Malecova
Single cell analysis reveals dynamic transitions within distinct subpopulations of Fibro-Adipogenic Progenitors (FAPs) implicated in skeletal muscle regeneration or fibrosis.
26. Christopher Penton
Maintaining the differentiation potential of muscle stem cells in vitro in order to support therapeutic discovery for muscular dystrophy diseases
27. David Sala Cano
Identification of STAT3 downstream effectors regulating muscle stem cell function

SECTION 4 - MUSCLE DEVELOPMENT

28. Cherie Alissa Lynch
Mohawk Regulation of Macrophage Polarity During Muscle Repair
29. Gaurav Agrawal
Engineered 3D Skeletal Muscle-on-a-Chip as an In Vitro Tool
30. Amanda Rickard
A Pluripotent Cell Based DUX4 Reporter for Modeling FSHD in skeletal muscle

31. Tian Wang
Regulation of T-tubule membrane remodeling in Drosophila muscle
32. Jordan Blondelle
Role of Cullin-RING ligase activity in skeletal muscle development
33. Anabel de la Garza
Multinucleated myotube formation from human pluripotent stem cells
34. Sole Gatto
Epigenomic mechanisms driving hESC conversion into skeletal muscle cells
35. Vic Keschrumus
Drug Screening and Therapy Development Using Engineered Heart Tissues
36. Heather Main
Skeletal Muscle modeling of Myotonic Dystrophy from human pluripotent cells
37. Geo Vogler
Identification of Disease-relevant Genetic Variants using the Drosophila Heart Model

SECTION 5 - MUSCLE BIOPHYSICS & BIOMECHANICS

38. Ivan Tomasic
2-deoxy-ATP enhances multiple kinetic parameters to improve cardiac function
39. Xiaoyu Zhang
Assessment of Positive and Negative Inotropic Compounds Using an Impedance-based System with human iPSC-derived Cardiomyocytes under Controlled Pacing Conditions
40. Johan Lindqvist
Mechanical ventilation reduces the optimal length for force production in the diaphragm
41. Ayla Sessions
Extracellular Matrix Downregulation in the Drosophila Heart Preserves Contractile Function and Improves Lifespan

SECTION 6 - LATE BREAKING

42. Ike Chinyere
Feasibility and Testing of a Human Induced Pluripotent Stem Cell Derived Cardiac Graft in a Pre-Clinical Swine Model of CHF

Ask about our New Lab
Start Up program

eppendorf



Eppendorf Everyday!

Premium instruments and consumables for your daily routine

Whether you're pipetting, heating, shaking, centrifuging, preparing, storing or analyzing, chances are, you're using an Eppendorf or New Brunswick product. Both are known around the world for easy-to-use, innovative and durable laboratory instrumentation and consumables.

Product lines include:

- Automated Liquid Handling
- PCR
- Consumables
- Shakers
- ULT Freezers
- Bioprocessing
- CO₂ Incubators
- And more!



CAREER DEVELOPMENT / MEETING BENEFITS



One of the goals for this meeting is to give you a head-start into the career as a scientist in academia or industry.

EUREKA NETWORK-DUCHENNE (END) TRANSLATIONAL MEDICINE WORKSHOP

This workshop is specifically designed to provide a learning environment where early career scientists (graduate students, postdoctoral fellows, assistant professors) working on various aspects of muscular dystrophies (neuromuscular, cardiac or skeletal) can learn concepts on taking their science from

'Bench To Bedside'

The workshop session before lunch will provide a general overview on translational medicine to all AMC attendees. We will also offer information on how to apply for a follow-up workshop taking place in Italy later this year.



Parent Project Muscular Dystrophy

LEADING THE FIGHT TO END DUCHENNE



TRANSITION TO INDUSTRY PANEL

This panel session will feature postdoctoral fellows from UC San Diego, The Scripps Research Institute and the University of Sydney that made the successful transition into an industry position. Each panelist will showcase his career path and experiences. The panelists will be available for a Q&A during the career development session, and may also attend the networking event at the end of the day.

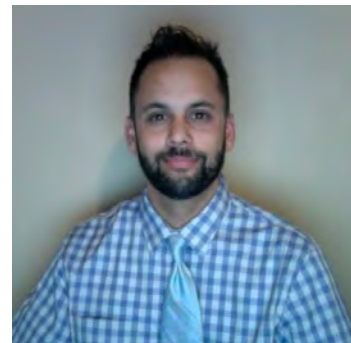
Dr. Heather Main

worked in academia for 11 years across 3 continents, including a PhD in Sweden and post doc in Australia. In 2014 she joined Genea Biocells, a neuromuscular disease company, which utilizes pluripotent stem cell technologies towards disease modeling, drug discovery and stem cell therapies.



Dr. Indroneal Banerjee

was a Postdoctoral Fellow at UC San Diego. His current position at the pharmaceutical company Abbvie sits at the interface between research and drug applications for clinical use.



Dr. David Gokhin

was a Postdoctoral Fellow at the Scripps Research Institute. He currently works as a medical writer for Carling Communications, a professional services firm that specializes in full-service marketing, advertising, and physician communications within pharmaceutical, medical device, and specialty biotechnology industries.



Dr. Fabian Zanella

was a Postdoctoral Fellow at UC San Diego. He is now working for the local biotech company Stemonix that sets a new economic paradigm around stem cell technologies to meet the demands of drug discovery and personalized medicine.



AMC POSTER & YOUNG INVESTIGATOR AWARDS



In addition to presenting your work in a talk or poster presentation, we aim to add another line to your **CV or resumé**.

Especially if your poster or podium presentation receives one of the Genea Biocells sponsored **Young Investigator or Poster Awards**.

The first prize in the **Young Investigator Award** category is a Nespresso coffee machine. We also offer all four young investigator awardees an opportunity to run an experiment on the IN Cell Analyser 6000 at Genea Biocells.

The six **Poster Awards** receive a goodie bag containing a mug, candy, pen as well as Myotube Mike (a crusader for awareness of neuromuscular diseases), and a lab-coat.

RECEPTION / NETWORKING / SOCIAL HOUR

Connect with other scientists and attendees from local biotech companies or universities. Our networking event is your chance to quiz people on how to transition into industry, network, establish new collaborations, or simply make new friends with similar scientific interests.



VENUE

SANFORD CONSORTIUM FOR REGENERATIVE MEDICINE



The AMC meeting will be held at the **Sanford Consortium for Regenerative Medicine**, adjacent to the Salk Institute and the University of California San Diego campus in La Jolla, CA.

The **Duane J. Roth Auditorium** will host the scientific podium sessions. The poster sessions will be held in the **lobby** of the Sanford Consortium building.

For the location of the Sanford Consortium Building on a map and directions, please see the following: [LINK](#).



BELLA VISTA SOCIAL CLUB AND CAFFÉ

All catering will be provided by the [Bella Vista Social Club and Caffé](#), located on the grounds of the Sanford Consortium Building. The **Bella Vista Social Club and Caffé** is renowned for its mix of art and culture. The Caffé provides delicious cheese and meat platters, and a good selection of micro-brewed beer and wine.

A networking event concludes this years AMC, and will also be held at the Bella Vista Caffé. Wind down and enjoy a relaxing networking social hour after the meeting with us, while the sun sets in the Pacific Ocean!

PARKING AND DIRECTIONS



There is limited space available for street parking along Torrey Pines Scenic Drive (free) and in the East Parking Lot adjacent to the Sanford Consortium building (\$8 for daylong parking, get your ticket at the machine in the beginning of the day). Please arrive early to get your parking spot, breeze through the registration, hang up your poster and grab a bite before the start of the scientific sessions.

Street address for GPS/Google Maps: 2880 Torrey Pines Scenic Dr., La Jolla, CA-92037

Please use Google Maps ([LINK](#)) to see the location.

PUBLIC TRANSPORT



Although a bit more cumbersome, but the Sanford Consortium Building is also reachable through public transport.

You can also use the trip planner offered by the Metropolitan Transit Service (MTS) - the destination address is: 2880 Torrey Pines Scenic Dr. La Jolla, CA

<http://www.sdmts.com/Planning/googleTP.asp>

LODGING

For those coming from out of town, please use the following link for a list of local hotels and lodging options: <http://amcsd.ucsd.edu/directions.html>

CONTACT

If you have questions about the meeting, you may contact us by email.

Email address: amclub.us@gmail.com

ORGANIZING COMMITTEE

Stephan Lange

UC San Diego, School of Medicine

email: slange@ucsd.edu

Abby Buchwalter

The Salk Institute

email: abuchwalter@salk.edu

Julius Bogomolovas

UC San Diego, School of Medicine

email: jbogomolovas@ucsd.edu

Sabine van Dijk

University of Arizona

email: sjvandijk@email.arizona.edu

Jordan Blondelle

UC San Diego, School of Medicine

email: jblondelle@ucsd.edu

Stefanie Novak

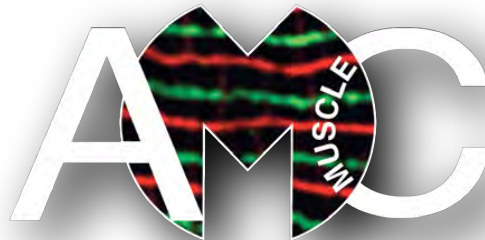
University of Arizona

email: smares@email.arizona.edu

Matthew Stroud

UC San Diego, School of Medicine

email: mstroud@ucsd.edu





ADVANCE YOUR DISCOVERY

WITH CELL ANALYSIS TOOLS THAT GIVE YOU MORE FOR LESS

Budgets are tight. Support your research with high performance and affordable instruments.

New — our NovoCyte™ benchtop flow cytometer is powerful, intuitive and customizable. Built to address your full range of multi-parameter cellular analysis research needs.

The xCELLigence® Real-Time Cell Analyzers (RTCA) are high-performance microelectronic systems for cell-based assays. These fully automated systems help increase your productivity by capturing quantitative information about cell adhesion, migration/invasion, viability and morphology throughout the entire time course of your experiment at physiological conditions.

xCELLigence



NovoCyte
Flow Cytometer



866 308 ACEA (2232) | info@aceabio.com | aceabio.com

PARTICIPANTS

Name	email	Institute/Company
Gaurav Agrawal	<i>gagrawal@eng.ucsd.edu</i>	UC San Diego
Sonia Albin	<i>salbini@sanfordburnham.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Angels Almenar	<i>aalmenar@ucsd.edu</i>	UC San Diego
Leonela Amoasii	<i>leonela.amoasii@utsouthwestern.edu</i>	UT Southwestern
Adrian Arrieta	<i>aarrieta1335@gmail.com</i>	San Diego State University
Paul August	<i>Paugust@icagen.com</i>	Icagen
Indroneal Banerjee	<i>indroneal.banerjee@abbvie.com</i>	Abbvie
Monica Bennett	<i>monica.bennett@geneabiocells.com</i>	Genea Biocells
Matthew Bills	<i>billsm@email.arizona.edu</i>	University of Arizona
Erik Blackwood	<i>eblackwo@alumni.nd.edu</i>	San Diego State University Heart Institute
Jordan Blondelle	<i>jblondelle@ucsd.edu</i>	UC San Diego
Rolf Bodmer	<i>rolf@sbspdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Julius Bogomolovas	<i>jbogomolovas@ucsd.edu</i>	UC San Diego
Francesca Boscolo Sesillo	<i>fboscolo@sbspdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Abby Buchwalter	<i>abuchwalter@salk.edu</i>	Salk Institute
Katelyn Busse	<i>katelyn.busse@geneabiocells.com</i>	Genea Biocells
James Caldwell	<i>jamestorecaldwell@gmail.com</i>	San Diego State University Research Foundation

Name	email	Institute/Company
Juliane Campos	<i>Juliane.Campos@cshs.org</i>	Cedars-Sinai Medical Center ~ Heart Institute
Sara Carbajo	<i>scarbajo@scripps.edu</i>	The Scripps Research Institute
Eric Carruth	<i>ecarruth@ucsd.edu</i>	UC San Diego
Alessandra Castaldi	<i>acastaldi@ucsd.edu</i>	UC San Diego
Chao Chen	<i>chaochen@ucsd.edu</i>	UC San Diego
Ike Chinyere	<i>ichinyere@email.arizona.edu</i>	University of Arizona
Yoshitake Cho	<i>cyoshitake@ucsd.edu</i>	UC San Diego
Miensheng Chu	<i>mchu@email.arizona.edu</i>	University of Arizona
Mert Colpan	<i>colpanmert@gmail.com</i>	University of Arizona
Brett Colson	<i>bcolson@email.arizona.edu</i>	University of Arizona
Riccardo Contu	<i>riccardo.contu@stemonix.com</i>	StemoniX
Constanza Cortes	<i>cjcortes@ucsd.edu</i>	UC San Diego
Andrew D'Lugos	<i>andrew.dlugos@asu.edu</i>	Arizona State University
Usue Etxaniz	<i>uetxaniz@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Elie Farah	<i>efarah@ucsd.edu</i>	UC San Diego
Anabel de la Garza	<i>anabel.delagarza@geneabiocells.com</i>	GeneaBiocells
Patrick Desmond	<i>pdesmond@ucsd.edu</i>	UC San Diego
Ramon Diaz Trelles	<i>trelles@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute

Name	email	Institute/Company
Jone Lopez Erauskin	<i>jerauskin@ucsd.edu</i>	Ludwig Institute
Alison Fanton	<i>alison.fanton@stemonix.com</i>	Stemonix
Qingfen Gan	<i>fgan@myokardia.com</i>	Myokarida
Sole Gatto	<i>sgatto@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Michael Gibbons	<i>mgibbons@ucsd.edu</i>	UC San Diego
David Gokhin	<i>David.Gokhin@carlingcom.com</i>	Carling Communications
Charles Gray	<i>cgray@ucsd.edu</i>	San Diego State University
Cassandra Happe	<i>chappe@ucsd.edu</i>	UC San Diego
Sherin Hashem	<i>s1hashem@ucsd.edu</i>	UC San Diego
Melissa Hernandez	<i>mjh003@eng.ucsd.edu</i>	UC San Diego
Anthony Hessel	<i>alh385@nau.edu</i>	Northern Arizona University
Michael Hicks	<i>Michaelhicks@ucla.edu</i>	UC Los Angeles
Karen Hsu	<i>karenhsuu@gmail.com</i>	San Diego State University
Ali Hussaini	<i>hussaini@email.arizona.edu</i>	University of Arizona
Sadie Ingle	<i>sringl@myokardia.com</i>	MyoKardia
Vic Keschrumrus	<i>vkeschrumrus@email.arizona.edu</i>	University of Arizona
Jilan Knoblauch	<i>Jilan.Knoblauch@vwr.com</i>	VWR International
Shivani Lakkaraju	<i>slakkara@ucsd.edu</i>	UC San Diego

Name	email	Institute/Company
Stephan Lange	<i>slange@ucsd.edu</i>	UC San Diego
Tania Larrinaga	<i>tmlarrinaga@email.arizona.edu</i>	University of Arizona
Tzu-Han Lin	<i>tzl007@ucsd.edu</i>	UC San Diego
Johan Lindqvist	<i>johanlindqvist@email.arizona.edu</i>	University of Arizona
Marissa Lopez-Pier	<i>mal1@email.arizona.edu</i>	University of Arizona
Cherie Alissa Lynch	<i>cjlynch1@asu.edu</i>	Arizona State University
Patrick Magrath	<i>rmagrath@mednet.ucla.edu</i>	UC Los Angeles
Heather Main	<i>heather.main@geneabiocells.com</i>	Genea Biocells
Barbora Malecova	<i>bmalecova@sbsdsccovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Valeria Marrocco	<i>vmarrocco@ucsd.edu</i>	UC San Diego
Charles Martin	<i>charles.martin@geneabiocells.com</i>	Genea Biocells
Marcy Martin	<i>mam085@ucsd.edu</i>	UC San Diego
Robert McKernan	<i>robert.mckernan@geneabiocells.com</i>	Genea Biocells
Mei Methawasin	<i>methajit@email.arizona.edu</i>	University of Arizona
Shaday Michan	<i>smichan@sbsdsccovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Bradley Nelson	<i>b4nelson@ucsd.edu</i>	UC San Diego
Vishal Nigam	<i>vnigam@ucsd.edu</i>	UC San Diego
Stefanie Novak	<i>smares@email.arizona.edu</i>	University of Arizona

Name	email	Institute/Company
Joanna Palade	<i>opalade@asu.edu</i>	Arizona State University
Jason Pellman	<i>jpellman@ucsd.edu</i>	UC San Diego
Christopher Penton	<i>cpenton@icagen.com</i>	Icagen
Suzanne Peterson	<i>suzanne.peterson@geneabiocells.com</i>	Genea Biocells
Cullen Pivaroff	<i>cullen.pivaroff@geneabiocells.com</i>	Genea Biocells
Jesse Placone	<i>jplacone@ucsd.edu</i>	UC San Diego
Amanda Rickard	<i>amanda.rickard@geneabiocells.com</i>	Genea Biocells
Barry Rothenberg	<i>bri@brincubator.com</i>	Billups-Rothenberg
Alessandra Sacco	<i>asacco@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
David Sala Cano	<i>dsala@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Lauren Schultz	<i>leschultz@email.arizona.edu</i>	University of Arizona
Gerburg Schwaerzer	<i>gschwaerzer@ucsd.edu</i>	UC San Diego
Ayla Sessions	<i>aosessio@ucsd.edu</i>	UC San Diego
Wonjong Si	<i>won.si@stemonix.com</i>	StemoniX Inc.
Daniel Smith	<i>dasmith08@gmail.com</i>	San Diego State University
Martin T. Spang	<i>mtspang@eng.ucsd.edu</i>	UC San Diego
Stephan Spangenberg	<i>stephan.spangenberg@stemonix.com</i>	Stemonix
Michael Stec	<i>mstec@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute

Name	email	Institute/Company
Takeshi Suetomi	<i>tsuetomi@ucsd.edu</i>	UC San Diego
Argus Sun	<i>argus.m.sun@ucla.edu</i>	Sanford Consortium for Regenerative Medicine
Teri Suzuki	<i>tsuzuki@icagen.com</i>	Icagen
Kristoffer Svensson	<i>kssvensson@ucsd.edu</i>	UC San Diego
Ivan Tomasic	<i>itomasic@myokardia.com</i>	Myokardia Inc.
Adriana Trujillo	<i>adrianasaratrujillo@gmail.com</i>	San Diego State University
Jessica Ungerleider	<i>jlungerl@eng.ucsd.edu</i>	UC San Diego
Robbert van der Pijl	<i>rjvanderpijl@email.arizona.edu</i>	University of Arizona
Sabine van Dijk	<i>sjvandijk@email.arizona.edu</i>	University of Arizona
Jesus Villanueva	<i>eric.villanueva@geneabiocells.com</i>	Genea Biocells/SDSU
Geo Vogler	<i>gvogler@sbpdiscovery.org</i>	Sanford Burnham Prebys Medical Discovery Institute
Tian Wang	<i>tiw081@ucsd.edu</i>	UC San Diego
Xian Wei	<i>swei@cibiem.com</i>	Cibiem, Inc
Melody Wilkinson	<i>Wilkinson.M@eppendorf.com</i>	Eppendorf
Ming Yu	<i>Myu@myokardia.com</i>	Myokardia
Michael Yu	<i>shy055@ucsd.edu</i>	UC San Diego
Fabian Zanella	<i>fabian.zanella@stemonix.com</i>	StemoniX
Jianlin Zhang	<i>jjz007@ucsd.edu</i>	UC San Diego

Name	email	Institute/Company
Xiaoyu Zhang	<i>Xzhang@aceabio.com</i>	ACEA Biosciences Inc
Leyna Zhao	<i>lzhao@aceabio.com</i>	ACEA Biosciences Inc



Our Collection of Brands

DELIVERING QUALITY, PERFORMANCE AND SERVICE

VWR Customer Service

Phone 1-800-932-5000

E-mail vwrcustomerservice@vwr.com

Technical Product Support

Phone 888-897-5463

E-mail TechnicalProductSupportNA@vwr.com



VWR is ONE SOURCE for ALL YOUR NEEDS... Chemicals, Lab Supplies, Equipment, Instruments, Safety, PPE, Life Science, Chromatography, Furniture



VWR Foundation



Redi Ship



VWR Electronic Pipette



Seradigm



Limited Offers