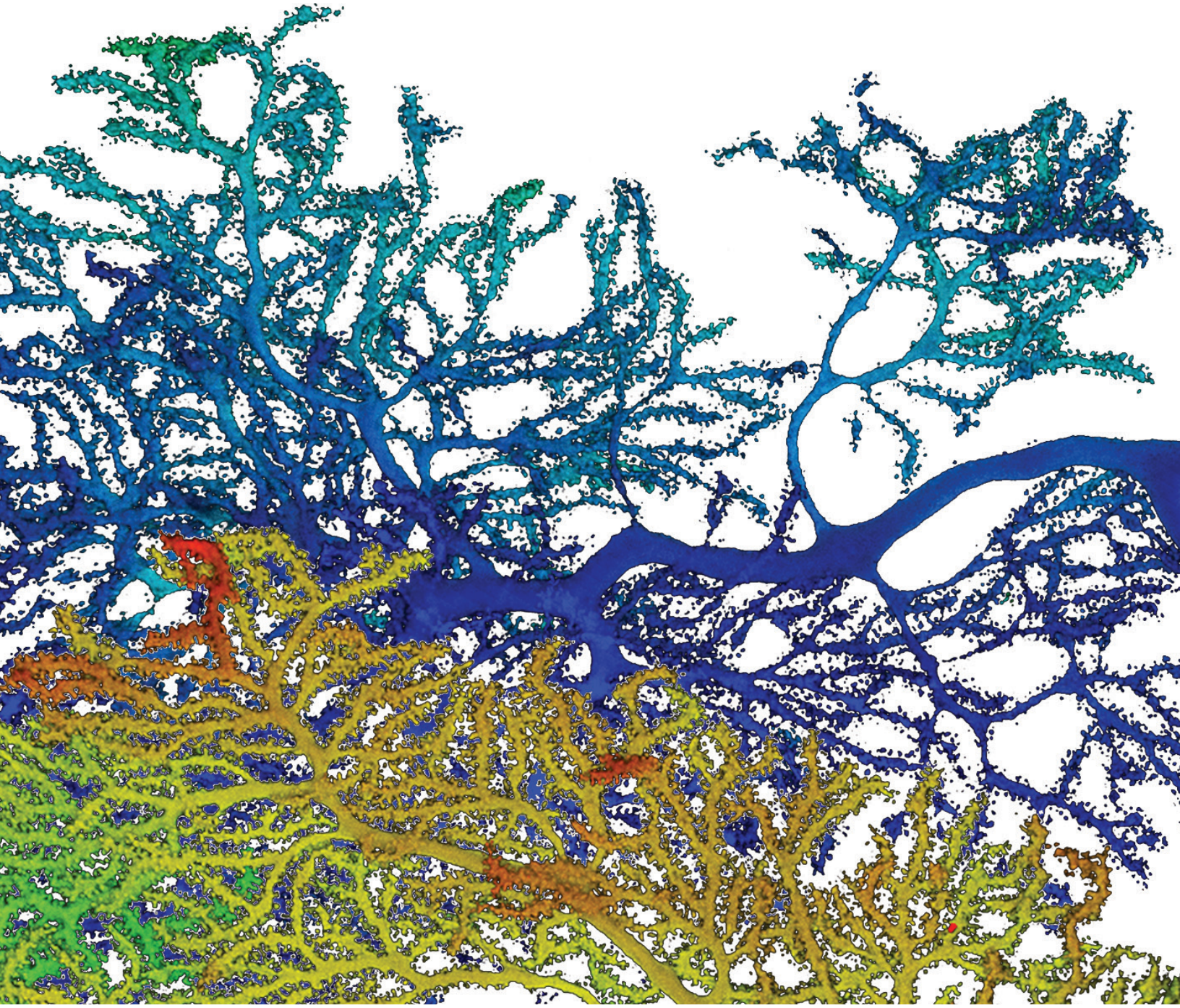
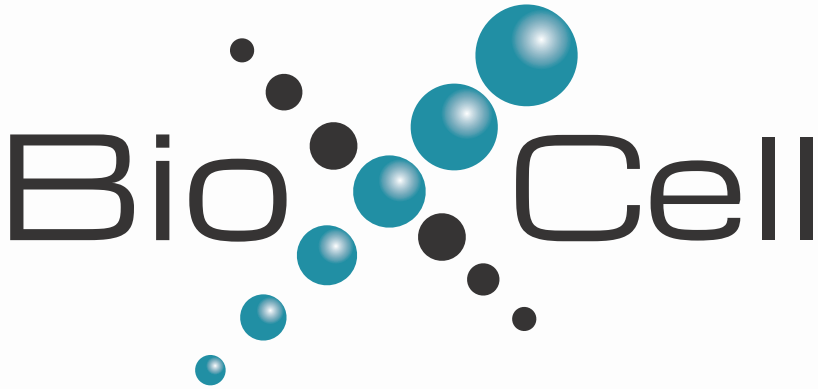
Neuroscience 2022

Program and Exhibit Guide

San Diego | November 12–16



SfN Society for Neuroscience



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Letter from the President

It is a great pleasure to welcome so many of you to sunny San Diego for Neuroscience 2022, the Society for Neuroscience's 51st Annual Meeting. This 51st gathering represents a new beginning for our community as it includes both a full in-person meeting and a virtual component, with some of the program broadcast live and abstract authors offered the opportunity to present their recent discoveries in person and online.

Like me, I hope you have your sense of scientific purpose renewed at the SfN Annual Meeting. To see the entirety of our field gathered in one place to evolve our collective understanding of the brain and nervous system is inspiring and helps me dive back into the challenges in the lab with renewed vigor and creativity.

I also hope that Neuroscience 2022 offers you a strong sense of reward for the discoveries you are sharing with everyone this week. Let the questions and feedback you receive about your work serve as proof that the challenges you overcame to collect, analyze, and interpret your data were worth it.

Finally, there is no better time to build your professional network than at the world's largest gathering of neuroscientists. I encourage you to take the time to meet others in the Poster and Exhibit Halls, SfN-Sponsored Socials, and the new Neuroscience Meet-Ups.

Wishing you a successful Neuroscience 2022,

Gina Turrigiano, PhD
SfN President

nobrainer.

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Welcome to Neuroscience 2022

Plan Your #SfN22 Experience

Keep Neuroscience 2022 at your fingertips with these digital resources.

Virtual Platform
View virtual poster presentations and watch livestreamed and on-demand Program content — including scientific lectures and select symposia/minisymposia. Details on page 22.

Neuroscience Meeting Planner (NMP)
Available at sfn.org/nmp. Search abstracts, download curated itineraries, and customize your schedule.

Neuroscience 2022 Mobile App
Available from the iOS™ and Google Play™ App Stores or via a desktop browser. Sync your NMP-created itinerary with the mobile app by logging in to both resources with your registration badge number and last name. Browse sessions, view maps of the convention center and hotels, search exhibitors, take notes, and more.

Curated Itineraries
Available through the NMP or mobile app. Build your meeting experience around a specific research area, with relevant sessions and events selected by SfN's Program Committee.

New for 2022

Neuroscience Meet-Ups
Neuroscience Meet-Ups are an opportunity to gather off-site with a group of meeting attendees who share a particular interest or community. These events are separate from SfN-Sponsored Socials, which focus on scientific topics and are held on-site with support from SfN, and satellite events. Find a list of Neuroscience Meet-Ups in the NMP or annual meeting mobile app.

SfNova Lecture
The new SfNova Lecture will feature two neuroscientists considered rising stars in their field.

Livestreamed Program Content*
SfN will livestream scientific lectures and a selection of symposia and minisymposia illustrative of the field on the Virtual Platform.

Virtual Posters*
This year, all poster presenters have the option to upload a poster to the Virtual Platform for extended engagement.

**Access livestream recordings and virtual posters on the Neuroscience 2022 Virtual Platform until December 16, 2022.*

Share Your #SfN22 Experience
Get the latest meeting buzz by liking SfN on Facebook, following @SfNtweets on Twitter, and connecting with @societyforneuroscience on Instagram.

See You in D.C.!

Mark your calendars for Neuroscience 2023, November 11–15 in Washington, D.C.
Sign up to receive the latest updates at www.sfn.org/am2023.

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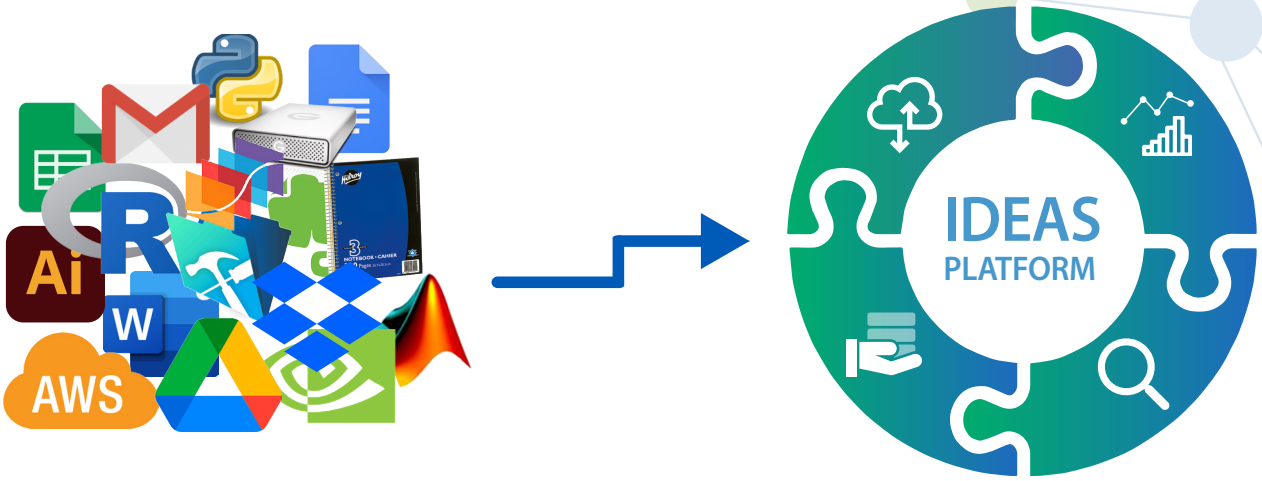

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(619) 525-5700

Press Office
(619) 525-5716

Exhibit Management
(619) 525-5710

First Aid and Hospital Numbers

First Aid Station
Box Office G
(619) 525-5714

Scripps Mercy Hospital
4077 Fifth Avenue
San Diego, CA 92103
(619) 294-8111

Sharp Rees-Stealy Downtown San Diego
Urgent Care
300 Fir Street
San Diego, CA 92101
(858) 499-2600

Key to Poster Floor by Themes

The poster floor is in Halls B–H.
Refer to the poster floor map at the end of this booklet.

Theme
A .... Development
B .... Neural Excitability, Synapses, and Glia
C .... Neurodegenerative Disorders and Injury
D .... Sensory Systems
E .... Motor Systems
F .... Integrative Physiology and Behavior
G .... Motivation and Emotion
H .... Cognition
I..... Techniques
J..... History, Education, and Society

Note: Theme J Posters will be on display in Halls B–H beginning at 1 p.m. on Saturday, Nov. 12 and will remain posted until 5 p.m., Sunday, Nov. 13. One-hour presentations will occur Saturday afternoon, Sunday morning, or Sunday afternoon.

Vaccine Requirements

SfN requires all participants (attendees, exhibitors, and guests) be fully vaccinated in order to attend Neuroscience 2022 in-person. The definition of fully vaccinated falls to the criteria of the person's home country, with a vaccine approved by the World Health Organization. Refer to the World Health Organization's list of approved vaccines and guidelines for full vaccination. There will be no exceptions to the vaccination requirement to attend Neuroscience 2022 in-person. Visit www.sfn.org/healthsafety for up-to-date Health and Safety guidelines for Neuroscience 2022.

Mask Requirement

SfN is highly recommending that masks be worn at Neuroscience 2022, in accordance with local health authorities in San Diego, CA. This information is subject to change as necessary.

COVID-19 Testing Onsite

COVID-19 testing will be available at the attendee's own expense in the San Diego Convention Center: Room 3.

Code of Conduct at SfN Events

The Society for Neuroscience is committed to supporting discovery and scientific dialogue, and to fostering a welcoming community in which all scientists are able to contribute fully. Reflecting these values, U.S. law, and policies established by scientific funding agencies and institutions, SfN asserts that sexual and gender harassment and other harassing or harmful behaviors have no place in a healthy scientific enterprise. We expect all attendees, media, speakers, volunteers, organizers, venue staff, guests, and exhibitors at SfN-organized events to help us ensure a safe and positive environment.

If attendees experience unwelcome or unsafe situations anywhere in the city, attendees should swiftly contact local authorities (dial 9-1-1). Additional local social services resources are listed in one convenient location at the federal website www.changingourcampus.org. Any official report of harassment should be emailed to hrofficer@sfn.org. The HR officer will facilitate the completion of a report by a complainant.

View the entire Code of Conduct at SfN Events for more information.

Join us for an hour of fascinating stories with one of America's most unique storytelling companies

Experience the emotional stories about people in science and the way they think.
November 13, 7pm, Marriott Marquis.

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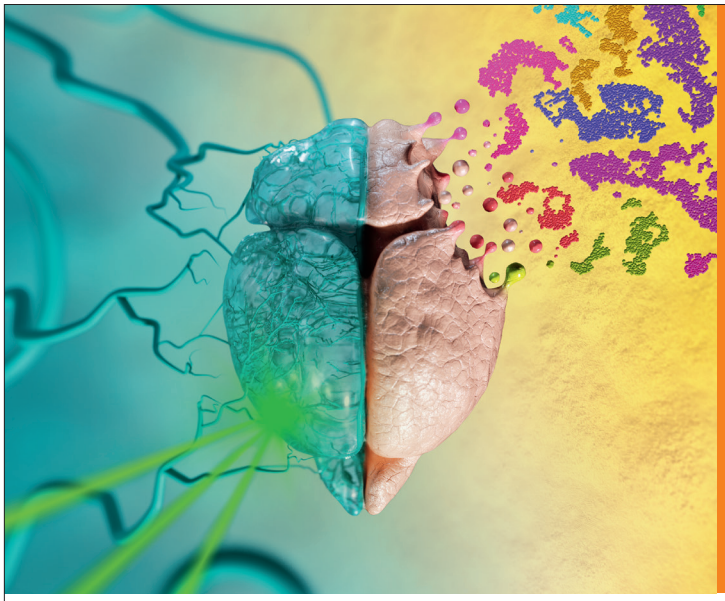

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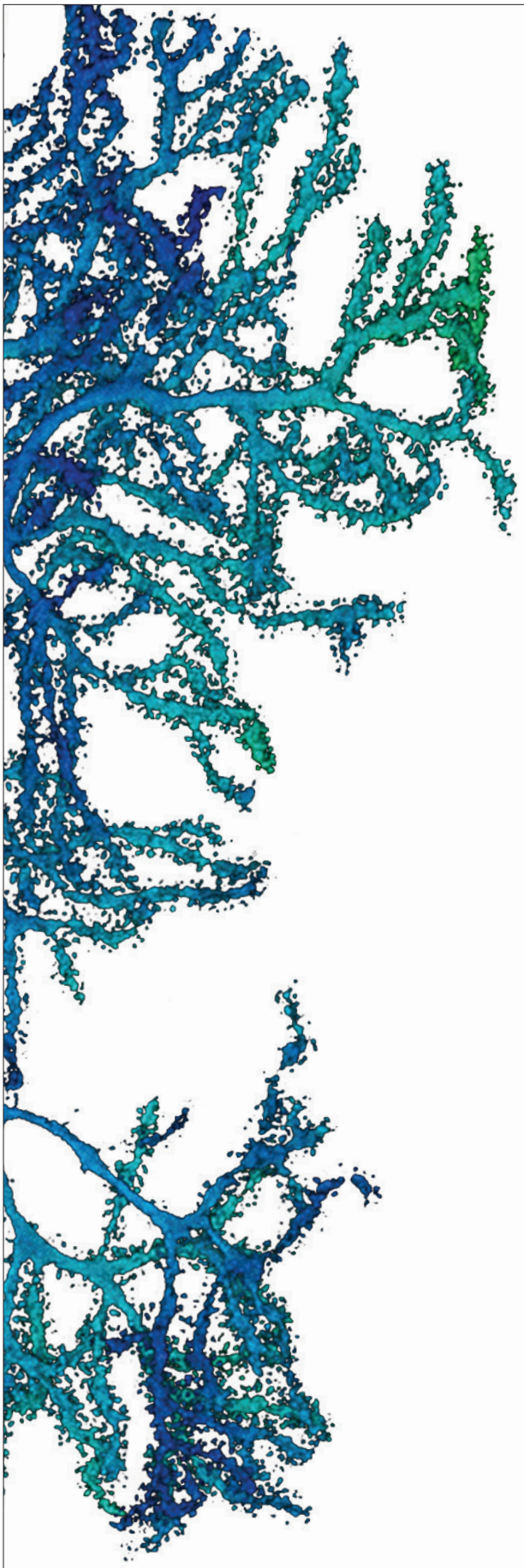

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Donations support the Society's mission of advancing the understanding of the brain and nervous system.

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- Bernice Grafstein Award for Outstanding Accomplishments in Mentoring

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The Nemko Family
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Science Translational Medicine/AAAS
- Trainee Professional Development Awards

Society for Neuroscience
- Trainee Professional Development Awards

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- Meet-the-Experts Series

Sunovion
- Young Investigator Award

The Swartz Foundation
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Program at a Glance

For the most up-to-date information, check the annual meeting mobile app, Neuroscience Meeting Planner, and www.sfn.org/am2022.

Date / Time	Session Title	Location
Friday, Nov. 11		
1–5:30 p.m.	**Short Course** Tackling Challenges in Data Management, Collection, and Sharing Organizers: Anita Bandrowski, PhD; Karin Dumstrei, PhD; Damian Eke, PhD; Satrajit Ghosh, PhD *Support contributed by: National Institute of Neurological Disorders and Stroke*	SDCC: Room 30ABC
Saturday, Nov. 12		
8 a.m.–5 p.m.	NeuroJobs Career Center	Sails Pavilion
Noon–2 p.m.	**Professional Development Workshop** "Can You Write Me a Strong Letter of Recommendation?": Soliciting, Writing, and Evaluating Recommendations Organizer: Donita Robinson, PhD	SDCC: Room 31ABC
Noon–2 p.m.	Graduate School Fair	Sails Pavilion
1–2 p.m.	**Special Lecture** Sleep for Cognition, Memory, and Mental Health in Females and Males Across the Lifespan Speaker: Gina R. Poe, PhD	SDCC: Ballroom 20 *livestreamed*
1–5 p.m.	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
1–5 p.m.	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
2–3 p.m.	**Meet-the-Expert Session** Making Decisions in a World Full of Action Speaker: Paul Cisek, PhD	SDCC: Room 2
2–4:30 p.m.	**Minisymposium** Diverse Functional Aspects of Astrocyte-Neuron Interactions in Health and Disease Chair: Isabella Farhy, PhD • Co-Chair: Elena Blanco Suarez, PhD	SDCC: Room 6CF
2–4:30 p.m.	**Minisymposium** Measuring Complex Human Behaviors via the Interactions Between Virtual Reality and Human Physiological Networks: Evidence From Health and Disease Chair: Meir Plotnik, PhD	SDCC: Room 6DE
2–4:30 p.m.	**Minisymposium** Representation of Episodic Memory in Single Neurons of the Human Brain Chair: Zhisen J. Urgolites, PhD • Co-Chair: Christoph T. Weidemann, PhD	SDCC: Room 28
2–4:30 p.m.	**Symposium** Super-Resolution Imaging *In Vivo* Opens New Doors to the Nanoworld Chair: Martin Furhmann, PhD • Co-Chair: Ilaria Testa, PhD	SDCC: Room 6B
2–4:30 p.m.	**Minisymposium** Synapse and Circuit Function in the Retina Chair: Raunak Sinha, PhD	SDCC: Room 29
2–4:30 p.m.	**Symposium** The Neurological Consequences of COVID-19 Chair: John W. Winslow, PhD	SDCC: Room 6A *livestreamed*
2:30–4:30 p.m.	**Brain Awareness Campaign Event** Connecting With the Next Generation of Diverse Neuroscientists	SDCC: Room 16
3–4 p.m.	**Special Lecture** Adult Neurogenesis, Circuit Remodeling, and Hippocampal Function Speaker: Alejandro F. Schinder, PhD	SDCC: Ballroom 20 *livestreamed*

Date / Time	Session Title	Location
3–5 p.m.	**Professional Development Workshop** Beyond the Rainbow: Empowering LGBTQ+ Trainees and Colleagues Toward Successful and Authentic Careers Organizer: Jennifer Honeycutt, PhD	SDCC: Room 31ABC
4–5 p.m.	**Meet-The-Clinician-Expert Session** Balancing Brain and Behavior in Investigations of Early Childhood Psychopathology Speaker: Joan L. Luby, MD	SDCC: Room 2
5:15–6:30 p.m.	**Presidential Special Lecture** How Do You Feel? The Molecules That Sense Touch Speaker: Ardem Patapoutian, PhD	SDCC: Ballroom 20 *livestreamed*
6:30–8:30 p.m.	Diversity Poster Session *Support contributed by: eNeuro and JNeurosci*	SDCC: Halls B–H
6:30–8:30 p.m.	Early Career Policy Ambassador Poster Session *Support contributed by: eNeuro and JNeurosci*	SDCC: Halls B–H
6:30–8:30 p.m.	FUN Poster Session *Support contributed by: eNeuro and JNeurosci*	SDCC: Halls B–H
6:30–8:30 p.m.	International Fellows Poster Session *Support contributed by: eNeuro and JNeurosci*	SDCC: Halls B–H
6:30–8:30 p.m.	Trainee Professional Development Awards Poster Session *Support contributed by: eNeuro and JNeurosci*	SDCC: Halls B–H
7:30–9:30 p.m.	Career Development Topics: A Networking Event	SDCC: Halls B–H
Sunday, Nov. 13		
8 a.m.–noon	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
8 a.m.–noon	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
8 a.m.–5 p.m.	NeuroJobs Career Center	Sails Pavilion
9–10 a.m.	**Special Lecture** Idling Brain: From Engram to Behavior Speaker: Kaoru Inokuchi, PhD	SDCC: Ballroom 20 *livestreamed*
9–10 a.m.	**Meet-the-Expert Session** From Cell Biological Studies of Synaptic Plasticity to Leadership Roles in Academia and Philanthropy Speaker: Kelsey Martin, MD, PhD *Support contributed by: Thorlabs, Inc.*	SDCC: Room 2
9–11 a.m.	**Professional Development Workshop** Why and How to Account for Sex and Gender in Brain and Behavioral Research Organizer: Lise Eliot, PhD	SDCC: 31ABC
9:30 a.m.–noon	**Minisymposium** Advances in Understanding the Role of Norepinephrine in Motivated Behavior Chair: Alfred P. Kaye, MD, PhD • Co-Chair: Jordan McCall, PhD	SDCC: Room 28
9:30 a.m.–noon	**Minisymposium** Dynamic Communication Between Regions Chair: Lu Zhang, PhD	SDCC: Room 6DE
9:30 a.m.–noon	**Minisymposium** Pathologic Interactions in Epilepsy: From Single Cells to Networks Chair: Magor L. Lorincz, PhD • Co-Chair: Jennifer Gelinas, MD, PhD	SDCC: Room 29

Date / Time	Session Title	Location
9:30 a.m.–noon	**Minisymposium** Powering Thoughts: The Regulation of Neuronal Energy Metabolism and Mitochondria Chair: Gulcin Pekkurnaz, PhD • Co-Chair: Xinnan Wang, PhD	SDCC: Room 6CF
9:30 a.m.–noon	**Minisymposium** The Cerebellum Beyond Motor Control: Insights Into Health and Disease Chair: Caroline R. Nettekoven, PhD • Co-Chair: Samuel D. McDougle, PhD	SDCC: Room 6B
9:30 a.m.–noon	**Minisymposium** The Way You Feel Inside: Investigating Mechanisms of Mammalian Interoception Chair: Theanne Griffith, PhD • Co-Chair: Kara L. Marshall, PhD	SDCC: Room 6A
9:30 a.m.–5 p.m.	Exhibits	SDCC: Halls B–H
10:30–11:30 a.m.	**Special Lecture** Mechanisms of Axon Growth and Regeneration Speaker: Frank Bradke, PhD	SDCC: Ballroom 20 *livestreamed*
10:30 a.m.–noon	**Basic-Translatonal-Clinical Roundtable** Pain Management and Opioids in the Time of COVID-19 Organizer: Simon Haroutouian, PhD	SDCC: Room 11
11 a.m.–noon	**Meet-the-Expert Session** An Unhealthy Interest in What the Kids are Doing These Days Speaker: Michael Taffe, PhD	SDCC: Room 2
Noon–1 p.m.	**Special Lecture** Gene Delivery Across the Blood-Brain Barrier for Precise and Minimally-Invasive Study and Repair of Nervous Systems Speaker: Viviana Gradinaru, PhD	SDCC: Ballroom 20 *livestreamed*
Noon–2 p.m.	Graduate School Fair	Sails Pavilion
Noon–2 p.m.	**Professional Development Workshop** Integrating Life and Work in Neuroscience: Strategies for Success Organizer: Georgia E. Hodes, PhD	SDCC: Room 31ABC
1–2 p.m.	**Meet-the-Expert Session** Studying the Activity of Large Populations of Neurons: Less is More? Speaker: Byron M. Yu, PhD	SDCC: Room 2
1–5 p.m.	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
1–5 p.m.	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
1:30–2:30 p.m.	**SfNOVA Lecture** Speakers: Michael D. Burton, PhD; Akiko Hayashi-Takagi, MD, PhD	SDCC: Ballroom 20 *livestreamed*
2–3:30 p.m.	**Storytelling** Who Speaks for the Community? How Storytelling Unites Research and Society on the Quest to Improve the Lives of Individuals With Spinal Cord Injury Chair: John C. Gensel, PhD	SDCC: Room 29
2–4:30 p.m.	**Symposium** Advances in Amyotrophic Lateral Sclerosis Chair: Bryan Traynor, MD, PhD • Co-Chair: Eva L. Feldman, MD, PhD	SDCC: Room 6B
2–4:30 p.m.	**Symposium** Industrial Insights and Perspectives Into Translational Neuroscience Chair: Baihan Lin, PhD	SDCC: Room 6CF
2–4:30 p.m.	**Minisymposium** Influence of Behavioral State on Sensorimotor Plasticity Chair: James C. Dooley, PhD • Co-Chair: Greta Sokoloff, PhD	SDCC: Room 6A *livestreamed*

Date / Time	Session Title	Location
2–4:30 p.m.	**Minisymposium** Interfacing Glial Cells With Materials, Devices, and Optogenetics: An Emerging Path to the Other Brain Chair: Valentina Benfenati, PhD • Co-Chair: Luigi Ambrosio, PhD	SDCC: Room 28
2–4:30 p.m.	**Minisymposium** Recent Advances at the Interface of Neuroscience and Artificial Neural Networks Chair: Srikanth Ramaswamy, PhD • Co-Chair: Vincent Breton-Provencher, PhD	SDCC: Room 6DE
3–4:30 p.m.	**Peter and Patricia Gruber Lecture** Expanding Horizons in Theoretical and Computational Neuroscience Speakers: Larry Abbott, PhD; Emery N. Brown, MD, PhD; Terrence Sejnowski, PhD; Haim Sompolinsky, PhD *Support contributed by: The Gruber Foundation*	SDCC: Ballroom 20 *livestreamed*
5:15–6:30 p.m.	**Presidential Special Lecture** The Basis of Sleep: What We Are Learning From Small Animal Models Speaker: Amita Sehgal, PhD	SDCC: Ballroom 20 *livestreamed*
6:45–8:45 p.m.	**SfN-Sponsored Social** Breaking Barriers for Young Women in Science Social Social Chair: Ghazaleh Sadri-Vakili, PhD • Social Co-Chair: Courtney A. Miller, PhD	Marriott Marquis: Grand Ballroom 5
6:45–8:45 p.m.	**SfN-Sponsored Social** Cajal Club for Neuroscience Social Social Chair: Carol Mason, PhD • Social Co-Chair: Leah Krubitzer, PhD	Marriott Marquis: Grand Ballroom 6
6:45–8:45 p.m.	**SfN-Sponsored Social** Decision Neuroscience Social Social Chair: Paul W. Glimcher, PhD • Social Co-Chairs: Michael N. Shadlen, MD, PhD; Daphna Shohamy, PhD	Marriott Marquis: Grand Ballroom 4
6:45–8:45 p.m.	**SfN-Sponsored Social** Dignity Neuroscience Social Social Chair: Tara L. White, PhD • Social Co-Chair: Meghan Gonsalves, ScM	Marriott Marquis: Grand Ballroom 1
6:45–8:45 p.m.	**SfN-Sponsored Social** Neuroethology Social Social Chair: Wolfgang Stein, PhD • Social Co-Chair: Margaret Damaegd, PhD	Marriott Marquis: Grand Ballroom 3
6:45–8:45 p.m.	**SfN-Sponsored Social** NeuroWire Social Social Chair: Lisa Topolnik, PhD • Social Co-Chair: Benedicte Amilhon, PhD	Marriott Marquis: Grand Ballroom 8
6:45–8:45 p.m.	**SfN-Sponsored Social** The Down Syndrome Social Social Chair: Mara Dierssen, MD, PhD • Social Co-Chair: Eugene Yu, PhD	Marriott Marquis: Grand Ballroom 2
Monday, Nov. 14		
8 a.m.–noon	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
8 a.m.–noon	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
8 a.m.–5 p.m.	NeuroJobs Career Center	Sails Pavilion
9–10 a.m.	**Special Lecture** *Drosophila* Reveals Operational Principles of Memory Systems Speaker: Scott Waddell, PhD	SDCC: Ballroom 20 *livestreamed*
9–10 a.m.	**Meet-the-Expert Session** Astrocytes in Higher Brain Function Speaker: Inbal Goshen, PhD *Support contributed by: Thorlabs, Inc.*	SDCC: Room 2

Date / Time	Session Title	Location
9–11 a.m.	**Professional Development Workshop** Culturally Validated Pedagogy and Inclusion in Neuroscience Organizer: Kimberly D'Anna-Hernandez, PhD	SDCC: Room 31ABC
9:30 a.m.–noon	**Minisymposium** High-Throughput Interrogation of Neurons Using Barcoding-Based Strategies Chair: Xiaoyin Chen, PhD • Co-Chair: Justus M. Kebschull, PhD	SDCC: Room 28
9:30 a.m.–noon	**Minisymposium** Intersection of Reward, Arousal, and Anesthesia Neurocircuitry Chair: Mitra Hesmati, MD, PhD • Co-Chair: Li Li, MD, PhD	SDCC: Room 6A *livestreamed*
9:30 a.m.–noon	**Minisymposium** New Therapeutic Avenues for Parkinson's Disease Chair: Martin Levesque, PhD • Co-Chair: Mattia Volta, PhD	SDCC: Room 6CF
9:30 a.m.–noon	**Minisymposium** Psychedelics and Neural Plasticity Chair: Xiangmin Xu, PhD • Co-Chair: Steven F. Grieco, PhD	SDCC: Room 6B
9:30 a.m.–noon	**Symposium** The Cells and Circuits of Thalamocortical Interactions Chair: W. Martin Ursey, PhD • Co-Chair: S. Murray Sherman, PhD	SDCC: Room 29
9:30 a.m.–noon	**Minisymposium** Zebrafish and Xenopus Models of Neurodevelopmental Disorders Chair: Robert Hindges, PhD • Co-Chair: Summer B. Thyme, PhD	SDCC: Room 6DE
9:30 a.m.–5 p.m.	Exhibits	SDCC: Halls B–H
10:30–11:30 a.m.	**David Kopf Neuroethics Lecture** Open Neuroscience and the Meaning of FAIR Speaker: Maryann E. Martone, PhD *Support contributed by: David Kopf Instruments*	SDCC: Ballroom 20 *livestreamed*
10:30 a.m.–noon	**Basic-Translatonal-Clinical Roundtable** Advancing Treatments to Drive Functional Restoration After Spinal Cord Injury: Developing a Pathway to Facilitate the Translational Pipeline Organizers: Michael G. Fehlings, MD, PhD; Matthew J. Rodreick	SDCC: Room 11
11 a.m.–noon	**Meet-the-Expert Session** Itching to Know: My Journey From Ion Channels to Itch, Pain, and Inflammation Speaker: Diana M. Bautista, PhD *Support contributed by: STEMCELL Technologies*	SDCC: Room 2
Noon–1 p.m.	**Special Lecture** Understanding Brain Cell Type Diversity Speaker: Hongkui Zeng, PhD	SDCC: Ballroom 20 *livestreamed*
Noon–2 p.m.	**Professional Development Workshop** Brain Data Science: A World of New Neuroscience Career Opportunities Organizer: William Grisham, PhD	SDCC: Room 31ABC
Noon–2 p.m.	Graduate School Fair	Sails Pavilion
1–2 p.m.	**Chapters Workshop** Creative Ways to Engage Your Community Organizer: Alfonso Abizaid, PhD	SDCC: Room 10
1–2 p.m.	**Meet-the-Expert Session** Modeling to Unveil Associations Between Brain Function and Behavior Speaker: Oscar Miranda-Dominguez, PhD	SDCC: Room 2
1–5 p.m.	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H

Program at a Glance

Date / Time	Session Title	Location
1–5 p.m.	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
1:30–3:30 p.m.	**Animals In Research Panel** The Benefits and Limitations of Alternatives to Animals in Research Organizer: Katalin M. Gothard, MD, PhD *Support contributed by: The National Primate Research Centers*	SDCC: Room 11
2–3:30 p.m.	**Dual Perspectives** Population or Single Cell Coding: What Is the Language of the Brain? Moderator: Srdjan Ostojic, PhD	SDCC: Room 6B
2–4:30 p.m.	**Minisymposium** Advances in Behavioral Quantification to Understand the Brain Chair: Timothy W. Dunn, PhD • Co-Chair: Talmo D. Pererira, PhD	SDCC: Room 6CF
2–4:30 p.m.	**Minisymposium** Cortical Mechanisms of Pain Processing Chair: Matthew R. Banghart, PhD • Co-Chair: Monique L. Smith, PhD	SDCC: Room 28
2–4:30 p.m.	**Minisymposium** Dendritic Mechanisms for *In Vivo* Neural Computations and Behavior Chair: Lukas Fischer, PhD • Co-Chair: Raul Mojica Soto-Albors	SDCC: Room 29
2–4:30 p.m.	**Symposium** Excitatory-Inhibitory Microcircuit Dysfunction and Alzheimer's Disease Chair: Abid Hussaini, PhD • Co-Chair: Afia B. Ali, PhD	SDCC: Room 6DE
2–4:30 p.m.	**Minisymposium** Neural Control of Energy Homeostasis Chair: Wei Shen, PhD • Co-Chair: Zhi-Ping Pang, MD, PhD	SDCC: Room 6A *livestreamed*
3–4:30 p.m.	**Albert and Ellen Grass Lecture** Circuits for Body Movements Speaker: Silvia Arber, PhD *Support contributed by: The Grass Foundation*	SDCC: Ballroom 20 *livestreamed*
3–5 p.m.	**Professional Development Workshop** Neuroscience Departments and Programs Workshop: From Design to Analysis: Improving Research Skills for an Evolving Field Organizer: Robert Calin-Jageman, PhD	SDCC: Room 31ABC
5:15–6:30 p.m.	**Presidential Special Lecture** The Neurobiology of Escaping From Predators Speaker: Tiago Branco, MD, PhD	SDCC: Ballroom 20 *livestreamed*
6:45–8:45 p.m.	**SfN-Sponsored Social** Behavioral Neuroendocrinology Social Social Chair: Frances A. Champagne, PhD	Marriott Marquis: Grand Ballroom 9
6:45–8:45 p.m.	**SfN-Sponsored Social** Cerebellum Social Social Chair: Alanna J. Watt, PhD • Social Co-Chair: Roy V. Sillitoe, PhD	Marriott Marquis: Grand Ballroom 4
6:45–8:45 p.m.	**SfN-Sponsored Social** Ingestive Behavior Social Social Chair: Derek Daniels, PhD	Marriott Marquis: Grand Ballroom 12/13
6:45–8:45 p.m.	**SfN-Sponsored Social** Marmoset Social Social Chair: Nicholas J. Priebe, PhD • Social Co-Chair: James A. Bourne, PhD	Marriott Marquis: Grand Ballroom 3
6:45–8:45 p.m.	**SfN-Sponsored Social** Open Mic Social: Open-Minded Science Communication Social Chair: Czarina Evangelista, PhD • Social Co-Chair: Ariel A. Batallan Burrowes	Marrott Marquis: Grand Ballroom 1

Date / Time	Session Title	Location
6:45–8:45 p.m.	**SfN-Sponsored Social** Pain, Touch & Itch Social Social Chair: Cheryl Stucky, PhD • Social Co-Chair: Michael S. Gold, PhD	Marriott Marquis: Grand Ballroom 6
6:45–8:45 p.m.	**SfN-Sponsored Social** The Blue Spot Special: A Locus Coeruleus Social Social Chair: Daniel J. Chandler, PhD • Social Co-Chair: Rita J. Valentino, PhD	Marriott Marquis: Grand Ballroom 10/11
Tuesday, Nov. 15		
8 a.m.–noon	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
8 a.m.–noon	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
8 a.m.–5 p.m.	NeuroJobs Career Center	Sails Pavilion
9–10 a.m.	**Special Lecture** Organization of Neuronal Activity Across the Brain Speaker: Matteo Carandini, PhD	SDCC: Ballroom 20 *livestreamed*
9–10 a.m.	**Meet-the-Expert Session** Gaining Precision: Studying Individuals to Provide New Insights Into Human Brain Networks and Their Role in Complex Cognition Speaker: Caterina Gratton, PhD *Support contributed by: Thorlabs, Inc.*	SDCC: Room 2
9:30 a.m.–noon	**Symposium** *In Vivo* Lineage Reprogramming for CNS Repair: Refining the Toolbox Chair: Benedikt Berninger, PhD • Co-Chair: Chun-Li Zhang, PhD	SDCC: Room 6B
9:30 a.m.–noon	**Minisymposium** Beyond the Classical Role of the Edinger-Westphal Nucleus: Novel Findings on Neurocircuitry of Energy Expenditure, Addiction, Fear Responses, and Maternal Behavior Chair: William J. Giardino, PhD • Co-Chair: Andrey E. Ryabinin, PhD	SDCC: Room 29
9:30 a.m.–noon	**Symposium** Dynamic Interactions Between Excitatory and Inhibitory Synapses in Dendrites Chair: Corette J. Wierenga, PhD • Co-Chair: Elly Nedivi, PhD	SDCC: Room 6A *livestreamed*
9:30 a.m.–noon	**Minisymposium** Large-Scale Neurophysiology in Humans and Nonhuman Primates: Science and Clinical Opportunities Chair: Eric Trautmann, PhD • Co-Chair: Xiaomo Chen, PhD	SDCC: Room 6DE
9:30 a.m.–noon	**Minisymposium** Microvessel, Big Problem?: A Brain Journey From Health to Disease Chair: Oliver Bracko, PhD • Co-Chair: Anusha Mishra, PhD	SDCC: Room 28
9:30 a.m.–5 p.m.	Exhibits	SDCC: Halls B–H
10 a.m.–noon	Celebration of Women in Neuroscience Event Moderator: Jill Becker, PhD	SDCC: Room 11
10:30–11:30 a.m.	**Special Lecture** Mapping and Rewiring Neural Circuits Underlying Emotions Speaker: Kafui Dzirasa, MD, PhD	SDCC: Ballroom 20 *livestreamed*
11 a.m.–noon	**Meet-the-Expert Session** New Biophotonic Nanotools for Photostimulation of Neurons Speaker: Fabio Benfenati, MD	SDCC: Room 2

Program at a Glance

Date / Time	Session Title	Location
Noon–1 p.m.	**Special Lecture** Cerebellar Interactions With the Basal Ganglia: Does This Thing Come With an Instruction Manual? Speaker: Kamran Khodakhah, PhD	SDCC: Ballroom 20 *livestreamed*
Noon–2 p.m.	Graduate School Fair	Sails Pavilion
1–2 p.m.	**Meet-the-Clinician-Expert Session** Pathways to Biology-Based Treatments in Autism Spectrum Disorder Speaker: Jeremy Veenstra-VanderWeele, MD	SDCC: Room 2
1–5 p.m.	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
1–5 p.m.	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
2–3 p.m.	**Special Lecture** Myelin Plasticity in Health and Disease Speaker: Michelle Monje, MD, PhD	SDCC: Ballroom 20 *livestreamed*
2–3:30 p.m.	**The Advocacy Forum** The Role of Scientific Data in Navigating Difficult Advocacy Discussions Organizer: Lori L. McMahon, PhD	SDCC: Room 11
2–4:30 p.m.	**Symposium** Music and Brain Circuitry: Strategies for Strengthening Evidence-Based Research Chair: Emmeline Edwards, PhD • Co-Chair: Wen Chen, PhD	SDCC: Room 6B
2–4:30 p.m.	**Minisymposium** Neurotransmitter Co-Transmission: Circuits, Behavior, and New Approaches Chair: Yongling Zhu, PhD • Co-Chair: Miao Jing, PhD	SDCC: Room 29
2–4:30 p.m.	**Minisymposium** Prefrontal Interneurons: Populations, Pathways, and Plasticity Supporting Normal and Disordered Cognition in Rodent Models Chair: David A. Kupferschmidt, PhD	SDCC: Room 6DE
2–4:30 p.m.	**Minisymposium** Sonogenetics: Fundamentals and Applications Chair: Zhihai Qui, PhD • Co-Chair: Lei Sun, PhD	SDCC: Room 28
2–4:30 p.m.	**Minisymposium** The Mechanisms of Gut-Brain Axis in Neurological Disorder Chair: Inhee Mook-Jeng, PhD • Co-Chair: Sangram Sisodia, PhD	SDCC: Room 6CF
2–4:30 p.m.	**Minisymposium** Understanding the (Dys)function of Motivational Circuits and Maladaptive Feeding Chair: Bridget A. Matikainen-Ankney, PhD • Co-Chair: Richard M. O'Connor, PhD	SDCC: Room 6A *livestreamed*
3:30–4:30 p.m.	**History of Neuroscience Lecture** Neuroscience Redefines the Stress Concept: From Fight or Flight to Neuroplasticity and Affective Disorders Speaker: Huda Akil, PhD	SDCC: Ballroom 20 *livestreamed*
5:15–6:30 p.m.	**Presidential Special Lecture** The Macaque Face Patch System: A Turtle's Underbelly for the Brain Speaker: Doris Tsao, PhD	SDCC: Ballroom 20 *livestreamed*
6:45–7:30 p.m.	SfN Members' Business Meeting	SDCC: Room 15A
6:45–8:45 p.m.	**SfN-Sponsored Social** Global Neuroscience Social Social Chair: Yukiko Goda, PhD • Social Co-Chair: Izumi Fukunaga, PhD	Marriott Marquis: Grand Ballroom 4

Date / Time	Session Title	Location
6:45–8:45 p.m.	**SfN-Sponsored Social** Psychopharmacology Social Social Chair: Jill A. McGaughy, PhD • Social Co-Chairs: Stan B. Floresco, PhD; Lisa A. Briand, PhD	Marriott Marquis: Grand Ballroom 8
6:45–8:45 p.m.	**SfN-Sponsored Social** SGM Health Neuroscience Researcher Social Social Chair: Irene Avila, PhD • Social Co-Chair: Carol Hubner, PhD	Marriott Marquis: Grand Ballroom 3
6:45–8:45 p.m.	**SfN-Sponsored Social** Social Neuroscience Social Social Chair: Steve W.C. Chang, PhD • Social Co-Chair: Ziv M. Williams, MD	Marriott Marquis: Grand Ballroom 2
6:45–8:45 p.m.	**SfN-Sponsored Social** The Confound Hour: Let's Make Some Noise! Social Social Chair: Megan H. Hagenauer, PhD	Marriott Marquis: Grand Ballroom 6
Wednesday, Nov 16		
8 a.m.–noon	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H
8 a.m.–noon	**Nanosymposia Sessions** Refer to annual meeting mobile app for more information	
8 a.m.–3 p.m.	NeuroJobs Career Center	Sails Pavilion
9–10 a.m.	**Special Lecture** Disentangling the Neural Basis of Emotion Speaker: Nadine Gogolla, PhD	SDCC: Ballroom 20 *livestreamed*
9:30 a.m.–noon	**Minisymposium** Adaptive Behavior: From Cognitive Control to Clinical Conditions Chair: Tom Macpherson, PhD • Co-Chair: Aurelio Cortese, PhD	SDCC: Room 6A *livestreamed*
9:30 a.m.–noon	**Symposium** Computational and Neural Mechanisms of Novelty Detection, Seeking, and Avoidance Chair: Mitsuko Watabe-Uchida, PhD • Co-Chair: Ilya E. Monosov, PhD	SDCC: Room 6B
9:30 a.m.–noon	**Minisymposium** Primate Frontopolar Cortex (FPC): From Circuits to Complex Behaviors Chair: Jeremy Hogeveen, PhD • Co-Chair: Vincent D. Costa, PhD	SDCC: Room 28
9:30 a.m.–noon	**Minisymposium** The Emerging Interface Between Epilepsy and Autism: From Shared Molecules to Common Circuitry Defects Chair: Yang Yang, PhD • Co-Chair: Christina Gross, PhD	SDCC: Room 6DE
9:30 a.m.–noon	**Minisymposium** The Intricate Regulation of AMPA Receptors by Transmembrane Accessory Factors Chair: Yael Stern-Bach, PhD • Co-Chair: Maria G. Kurnikova, PhD	SDCC: Room 6CF
9:30 a.m.–5 p.m.	Exhibits	SDCC: Halls B–H
10:30–11:30 a.m.	**Special Lecture** From Atoms to Behavior: Creating Tools to Probe Neurobiological Complexity Speaker: Polina Anikeeva, PhD	SDCC: Ballroom 20 *livestreamed*
10:30 a.m.–noon	**Basic-Translatonal-Clinical Roundtable** COVID and Olfaction Organizer: John Ngai, PhD	SDCC: Room 11
12:30–1:30 p.m.	**Clinical Neuroscience Lecture** Searching for Words: The New Neuroscience of Speech Speaker: Edward F. Chang, MD	SDCC: Ballroom 20 *livestreamed*
1–5 p.m.	**Posters** Refer to annual meeting mobile app for more information	SDCC: Halls B–H

Date / Time	Session Title	Location
1–5 p.m.	**Nanosymposium** Refer to annual meeting mobile app	
2–2:30 p.m.	**Dual Perspectives** Should We Abandon Statistical Significance Testing in Neuroscience? Arguments for Replacing It With Estimation Methods vs Retaining and Improving It Moderator: Christophe Bernard, PhD	SDCC: Room 29
2–4:30 p.m.	**Minisymposium** Applications of Navigational Encoding Chair: David J-N. Maisson	SDCC: Room 6DE
2–4:30 p.m.	**Minisymposium** Expanding Understanding of Fear Neurocircuitry From Bench to Bedside Chair: Kerry J. Ressler, MD, PhD • Co-Chair: Jennifer S. Stevens, PhD	SDCC: Room 6CF
2–4:30 p.m.	**Minisymposium** Functionalized Brain Organoids: Going Beyond the Neuroectoderm Chair: Galina Popova, PhD • Co-Chair: Guo-li Ming, MD, PhD	SDCC: Room 6A *livestreamed*
2–4:30 p.m.	**Symposium** High-Resolution Electrophysiology: Experiment and Theory Chair: Timothy Harris, PhD	SDCC: Room 6B
2–4:30 p.m.	**Minisymposium** Neural Mechanisms Mediating Sex Differences in Motivation for Reward: Food and Drugs of Abuse Chair: Jill B. Becker, PhD	SDCC: Room 28

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Virtual Component

SfN is pleased to offer a sampling of Neuroscience 2022 content virtually November 9–December 16. All meeting registrants have access to the virtual component. All abstract presenters are invited to upload a virtual poster. The virtual component will be accessed using your meeting registration information.

Beginning November 9, all meeting attendees will be able to explore virtual posters, manage their itineraries, and interact with other attendees. Itineraries created in the Neuroscience Meeting Planner will import to the virtual meeting site where changes can continue to be made.

Virtual posters will consist of a short video and pdf PowerPoint presentation. Visitors can leave questions or comments for poster presenters, who can log in and answer questions/comments at their convenience. The Neuroscience Meeting Planner and annual meeting mobile app will indicate whether an abstract will be presented in-person only, virtually-only, or both. There will be no scheduled virtual poster presentation, though asynchronous interaction will be available until December 16.

livestreamed

Livestreamed sessions will be available on-demand shortly after the broadcast.

During the San Diego meeting November 12–16, select sessions will be livestreamed. Join featured lectures, special lectures, and a selection of symposia and minisymposia that illustrate the breadth of the field. The session listing in the virtual component website, Neuroscience Meeting Planner, and annual meeting mobile app will indicate if a session is being livestreamed. Both in-person and virtual attendees can submit Q&A content via the Neuroscience 2022 app. Questions will be asked by one moderator in the live session room. Recordings of livestreamed sessions will be available on-demand shortly after the broadcast.

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Award for Education in Neuroscience

The Award for Education in Neuroscience recognizes individuals who have made outstanding contributions to neuroscience education and training. The award will be presented prior to the Presidential Special Lecture on Monday, November 14, at 5:15 p.m. in Ballroom 20.

Bernice Grafstein Award for Outstanding Accomplishments in Mentoring

Support contributed by: Bernice Grafstein, PhD

The Bernice Grafstein Award is given to an individual who has shown dedication and success in mentoring female neuroscientists and facilitating their entry or retention in the field. The award will be presented during the Celebration of Women in Neuroscience Event on Tuesday, November 15, at 10 a.m. in Room 11.

Donald B. Lindsley Prize in Behavioral Neuroscience

Support contributed by: The Grass Foundation

The Donald B. Lindsley Prize recognizes a young neuroscientist for his or her outstanding PhD thesis in the general area of behavioral neuroscience. The prize will be presented prior to the Albert and Ellen Grass Lecture on Monday, November 14, at 3 p.m. in Ballroom 20.

Jacob P. Waletzky Award

Support contributed by: The Waletzky Award Prize Fund and the Waletzky Family

The Jacob P. Waletzky Award is given to a young scientist (within 15 years of his/her receiving a PhD or MD degree) who has conducted or plans to conduct independent research leading to significant conceptual and/or empirical contributions to the understanding of drug addiction. The award will be presented prior to the Presidential Special Lecture on Saturday, November 12, at 5:15 p.m. in Ballroom 20.

Janett Rosenberg Trubatch Career Development Award

Support contributed by: The Trubatch Family

The Janett Rosenberg Trubatch Career Development Award recognizes two individuals who have demonstrated originality and creativity in research and is intended to promote success during academic transitions prior to tenure. The awards will be presented during the Celebration of Women in Neuroscience Event on Tuesday, November 15, at 10 a.m. in Room 11.

Jennifer N. Bourne Prize in Brain Ultrastructure

Supported by: Kristen M. Harris, PhD

The Jennifer N. Bourne Prize in Brain Ultrastructure recognizes an early career neuroscientist for outstanding work that advances our understanding of brain structure and structure-function relationships at the nanometer scale. The award will be presented prior to the Presidential Special Lecture on Monday, November 14, at 5:15 p.m. in Ballroom 20.

Julius Axelrod Prize

Support contributed by: Eli Lilly and Company Foundation

The Julius Axelrod Prize honors a scientist with distinguished achievements in neuropharmacology or a related area and exemplary efforts in mentoring young scientists. The award will be presented prior to the Presidential Special Lecture on Saturday, November 12, at 5:15 p.m. in Ballroom 20.

Louise Hanson Marshall Special Recognition Award

The Louise Hanson Marshall Special Recognition Award honors an individual who has significantly promoted the professional development of women in neuroscience through teaching, organizational leadership, public advocacy, or other efforts that are not necessarily research related. The award will be presented during the Celebration of Women in Neuroscience Event on Tuesday, November 15, at 10 a.m. in Room 11.

Mika Salpeter Lifetime Achievement Award

The Mika Salpeter Lifetime Achievement Award recognizes an individual with outstanding career achievements in neuroscience who also has significantly promoted the professional advancement of women in neuroscience. The award will be presented prior to the Presidential Special Lecture on Monday, November 14, at 5:15 p.m. in Ballroom 20.

Nemko Prize in Cellular or Molecular Neuroscience

Support contributed by: The Nemko Family

The Nemko Prize recognizes a young neuroscientist for his or her outstanding PhD thesis that advances the understanding of molecular, genetic, or cellular mechanisms underlying brain function, including higher function and cognition. The prize will be presented prior to the Albert and Ellen Grass Lecture on Monday, November 14, at 3 p.m. in Ballroom 20.

Next Generation Award

The Next Generation Award recognizes SfN chapter members who have made outstanding contributions to public communication, outreach, and education about neuroscience. The award will be presented prior to the Presidential Special Lecture on Tuesday, November 15, at 5:15 p.m. in Ballroom 20.

Patricia Goldman-Rakic Hall of Honor

The Patricia Goldman-Rakic Hall of Honor is a posthumous award for a neuroscientist who pursued career excellence and exhibited dedication to the advancement of women in neuroscience. The award will be presented during the Celebration of Women in Neuroscience Event on Tuesday, November 15, at 10 a.m. in Room 11.

Peter and Patricia Gruber International Research Award in Neuroscience

Support contributed by: The Gruber Foundation

The Peter and Patricia Gruber International Research Award in Neuroscience recognizes two young neuroscientists for outstanding research and educational pursuit in an international setting. The awards will be presented prior to the Peter and Patricia Gruber Lecture on Sunday, November 13, at 3 p.m. in Ballroom 20.

Peter Seeburg Integrative Neuroscience Prize

Support contributed by: Schaller-Nikolich Foundation

The Peter Seeburg Integrative Neuroscience Prize honors original and groundbreaking achievements in neuroscience that advances the understanding of executive brain functions and cognitive processes. The award will be recognized prior to the Presidential Special Lecture on Saturday, November 12, at 5:15 p.m. in Ballroom 20.

Elsevier Neuroscience Journals

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elsevier.com/life-sciences/neuroscience/journals

Ralph W. Gerard Prize in Neuroscience

The Ralph W. Gerard Prize, the highest recognition conferred by the Society, honors an outstanding scientist who has made significant contributions to neuroscience throughout his or her career. This prize is named for Ralph W. Gerard, who was instrumental in founding SfN and served as honorary president from 1970 until his death in 1974. The prize will be presented prior to the Presidential Special Lecture on Sunday, November 13, at 5:15 p.m. in Ballroom 20.

Science Educator Award

Support contributed by: The Dana Foundation

The Science Educator Award honors up to two outstanding neuroscientists who have made significant contributions to educating the public about neuroscience: one who conducts education activities full time, and/or one who devotes his or her time primarily to research while conducting outreach, policy, and education activities. The award will be presented prior to the Presidential Special Lecture on Tuesday, November 15, at 5:15 p.m. in Ballroom 20.

Swartz Prize for Theoretical and Computational Neuroscience

Support contributed by: The Swartz Foundation

The Swartz Prize honors an individual whose activities have produced a significant cumulative contribution to theoretical models or computational methods in neuroscience or who has made a particularly noteworthy recent advance in theoretical or computational neuroscience. The prize will be presented prior to the Presidential Special Lecture on Saturday, November 12, at 5:15 p.m. in Ballroom 20.

Young Investigator Award

Support contributed by: Sunovion

The Young Investigator Award recognizes the outstanding achievements and contributions of a young neuroscientist who has demonstrated scholarly independence and received his or her advanced professional degree in the past 10 years. The award will be presented prior to the Albert and Ellen Grass Lecture on Monday, November 14, at 3 p.m. in Ballroom 20.

SfN Professional Development Awards

• SfN/FENS Travel Awards

SfN and the Federation of European Neuroscience Societies (FENS) sponsor a travel award exchange program allowing recipients to attend their respective meetings bi-annually. In even years, SfN offers travel awards to the FENS Forum, while in odd years, FENS offers travel awards to the SfN annual meeting.

• SfN/IBRO International Travel Awards

SfN/IBRO International Travel Awards recognize young investigators from developing countries. The awards are sponsored by SfN and recipients are selected by the International Brain Research Organization (IBRO). This year, 15 awardees from 11 countries will attend Neuroscience 2022. Awardees will present at the International Poster Session held on Saturday, November 12, at 6:30 p.m. in the Poster Hall.

• SfN/JNS Travel Awards

SfN and the Japan Neuroscience Society (JNS) sponsor a travel award exchange program allowing five trainees from Japan to attend the SfN annual meeting and five North American trainees who are members of SfN to attend the JNS meeting in Japan. Awardees will present at the International Poster Session held on Saturday, November 12, at 6:30 p.m. in the Poster Hall.

• Trainee Professional Development Awards

The Trainee Professional Development Award (TPDA) program recognizes undergraduate and graduate students and postdoctoral fellows demonstrating scientific merit and excellence in research with the opportunity to present an abstract at Neuroscience 2022, meet peers and network with senior scientists, and participate in learning opportunities at the annual meeting. The TPDA poster session will be held on Saturday, November 12, at 6:30 p.m. in the Poster Hall.

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Event Title	Contact	Location	Time	Sponsor Key
Thursday, November 10 / Pre-Meeting				
2022 Marmoset Bioscience Symposium	klee@salk.edu	Marmohub.org	8 a.m.–6 p.m.	2
Wednesday, November 9–Friday, November 11 / Pre-Meeting				
BrightFocus Alzheimer's Fast Track	ksummers@brightfocus.org	Bahia Resort Hotel in San Diego	9 a.m.–5 p.m.	2
Thursday, November 10–Friday, November 11 / Pre-Meeting				
IEEE Brain Discovery Neurotechnology Workshop: Brain, Mind, Body	gallant@berkeley.edu	Institute for Neural Computation and the San Diego Super Computing Center, UCSD	8 a.m.–6 p.m. 8 a.m.–5 p.m.	2
Friday, November 11				
5th Ferret Brain Meeting	kristina.nielsen@jhmi.edu	Hilton Bayfront: Cobalt 501	9 a.m.–5 p.m.	2
Achieving Higher Resolution in Neuroendocrinology	jlaakso@endocrine.org	Marriott Marquis: Marina Ballroom G	1–7 p.m.	2
Advances in Motor Learning and Motor Control	mas@seas.harvard.edu	Marriott Marquis: Marina Ballroom E	Noon–7:30 p.m.	2
Celebration of the Scientific Career of Dr. Mortimer Mishkin	richardsaunders@mail.nih.gov	Grand Hyatt: Harbor Ballroom A	8 a.m.–5 p.m.	2
Craniofacial Neuroscience: Mechanisms and Translational Therapies	limor.avivi.arber@utoronto.ca	The Sofia Hotel 150 W. Broadway	8 a.m.–5 p.m.	3
Data Analysis Applications for Neuroscientists	Michael.MalekAhmadi@bannerhealth.com	SDCC: Room 23	9 a.m.–4 p.m.	3
MDS-PAS Neuroscience of Parkinson Disease and Movement Disorders	dstandaert@uabmc.edu	Hilton Bayfront: Cobalt 500	8 a.m.–4 p.m.	2
Molecular and Cellular Cognition Society (MCCS) Symposium	jenr@stanford.edu	SDCC: Room 24	9 a.m.–5 p.m.	2
Neuromodulation for Engaging and Enhancing Spinal Cord Plasticity	mcleodmi@musc.edu	Hilton Bayfront: Cobalt 502	Noon–6:30 p.m.	2
ODC-SCI Data Sharing Fest	jgrethe@ucsd.edu	Grand Hyatt: Promenade AB	8:30 a.m.–8 p.m.	3
Society for Social Neuroscience (S4SN)	admin@s4sn.org	Marriott Marquis: Marina Ballroom F	7:30 a.m.–7 p.m.	2
Saturday, November 12				
Chinese Neuroscientists Social	pangzh@rwjms.rutgers.edu	Marriott Marquis: Marina Ballroom G	6:30–10:30 p.m.	2

Satellite Event Listing

Event Title	Contact	Location	Time	Sponsor Key
FTD Social	dniehoff@theaftd.org	Grand Hyatt: Promenade AB	6:30–8:30 p.m.	2
g.tec's Brain-Computer Interface (BCI) Workshop	ching@gtec.at	SDCC: Room 23	6:30–9 p.m.	1
Illuminating the Brain Structure and Function	aina.afzal@bruker.com	Grand Hyatt: Harbor Ballrooms GH	6:30–9 p.m.	1
Neuroscience Gateway — Enabling Large Scale Modeling, Data Processing and Dissemination of Software	majumdar@sdsc.edu	San Diego Supercomputer Center, UCSD, 10100 Hopkins Drive, La Jolla	7–10:30 a.m.	2
Neuroscience & Spirituality Social	mssobhani@gmail.com	Hilton Bayfront: Cobalt 500	7–10:30 a.m.	3
Open Resources for Cell Types and Taxonomies with the Allen Brain Map	events@alleninstitute.org	Marriott Marquis: Pacific Ballrooms 14–17	7:30–10:30 a.m.	2
Sunday, November 13				
Better Together: An Evening of Science and Storytelling	Kaylee.Berkelhammer@abcam.com	Marriott Marquis: Pacific Ballroom 18	7–8 p.m.	1
ALBA Network Social	info@alba.network	Marriott Marquis: Presidio Rooms	6:30–8 p.m.	2
Boston University Graduate Program for Neuroscience Social	sgrasso@bu.edu	Hilton Bayfront: Sapphire 410	7–10 p.m.	2
Christian Neuroscience Society Fellowship Breakfast Meeting	cmathes@anabios.com	Marriott Marquis: Torrey Pines	7–8 a.m.	1
Ernst Strüngmann Forum Social	lupp@esforum.de	Marriott Marquis: Point Loma	6:30–9 p.m.	2
g.tec RecoveriX and MindBEAGLE Workshop	ching@gtec.at	SDCC: Room 23	6:30–9 p.m.	2
IF/IHC Imaging Workshop and Social Event with Expert Panel Discussion	lynnea@ptglab.com	Hilton Bayfront: Cobalt 500	6:30–8 p.m.	1
Parkinson's Disease Social	jbeck@parkinson.org	Hilton Bayfront: Sapphire 400	6:30–9 p.m.	2
Tools, Tech and Theory: A BRAIN Initiative Alliance Social	salbin@kavlifoundation.org	Hilton Bayfront: Sapphire Ballrooms CD	6:30–9 p.m.	2
University of Chicago Reception	elerizzo@gmail.com	Marriott Marquis: Rancho Santa Fe	6:30–8:30 p.m.	2
Monday, November 14				
1st Microelectrode Arrays in Neuroscience Social by MaxWell Biosystems	diana.freire@mxwbio.com	Storyhouse Spirits 1220 J St, San Diego	6:30–9 p.m.	1
17th Annual Christopher Reeve "Hot Topics" in Stem Cell Biology	towens@sbpdiscovery.org	SDCC: Room 6B	6:30–9 p.m.	2

Event Title	Contact	Location	Time	Sponsor Key
2022 Taiwan Night	klee@salk.edu	Thorn Brewing Company Barrio Logan, 1745 National Ave., SD	7–9 p.m.	2
35th Annual Neuro-Rehabilitation Social	kingla@ohsu.edu	Social Tap Eatery, 815 J Street, San Diego	6:30–8 p.m.	3
Advancing the Next Generation in Neuroscience: Methods, Models and Modalities	nadia.destefano@crl.com	Marriott Marquis: San Diego Ballrooms BC	6:30–9 p.m.	1
Association for the Korean Neuroscientists	yhkim11@gmail.com	Embassy Suites by Hilton, San Diego Bay Downtown	6:30–9 p.m.	2
Dana Foundation Social: Interdisciplinary Training in Neuroscience	pmangini@dana.org	Marriott Marquis: Rancho Santa Fe	7–8:30 p.m.	2
Developing an International Data Governance Framework to Accelerate Global Neuroscience Research	doya@oist.jp	Hilton Bayfront: Sapphire 400	6:30–9 p.m.	3
Grass/MBL Social	cecarr@umd.edu	Marriott Marquis: Grand Ballroom 8	6:30–8 p.m.	2
NeuronS_MATTR: A Research Network at the Interface of Mechanotransduction, Pain and Manual Therapies	lumpkin@berkeley.edu	Marriott Marquis: Grand Ballroom 5	6:30–8 p.m.	2
Sim4Life — Advancing Neuroscience and Tomorrow's Therapies with Innovative *in silico* Technologies	oberle@zmt.swiss	Grand Hyatt: Mission Beach	6:30–10 p.m.	1
Simons Foundation Autism and Neuroscience Social	kcmartin@mednet.ucla.edu	Hilton Bayfront: Sapphire Ballrooms AB	6:30–8:30 p.m.	2
Sleep and Circadian Biology DataBlitz	laposkya@nhlbi.nih.gov	Hilton Bayfront: Sapphire Ballrooms CD	6:30–8 p.m.	2
U.S.-Japan Brain Research Cooperative Program (BRCP)-Networking Session	chambers@ninds.nih.gov	Marriott Marquis: San Diego Ballroom A	6:30–8 p.m.	2
Washington University in St. Louis Neuroscience Reception	popinskir@wustl.edu	Barleymash 600 5th Street, Gaslamp District	6:30–9 p.m.	2
WINE- Women in Neural Engineering	moxon@ucdavis.edu	Queenstown Public House, 1557 Columbia St., San Diego	6:30-8:30 p.m.	1
Tuesday, November 15				
The Neural Exposome and Why it's Important to You!	jettd@nih.gov	Marriott Marquis: Marina Ballroom G	6:30–9 p.m.	2

Neuroscience Meet-Ups

Connect and engage informally with registered attendees virtually or in-person outside of the SfN Program hours. These informal social events are organized by SfN members for other individuals that share a common interest. View the list of Neuroscience Meet-Ups in the Neuroscience Meeting Planner or annual meeting mobile app.

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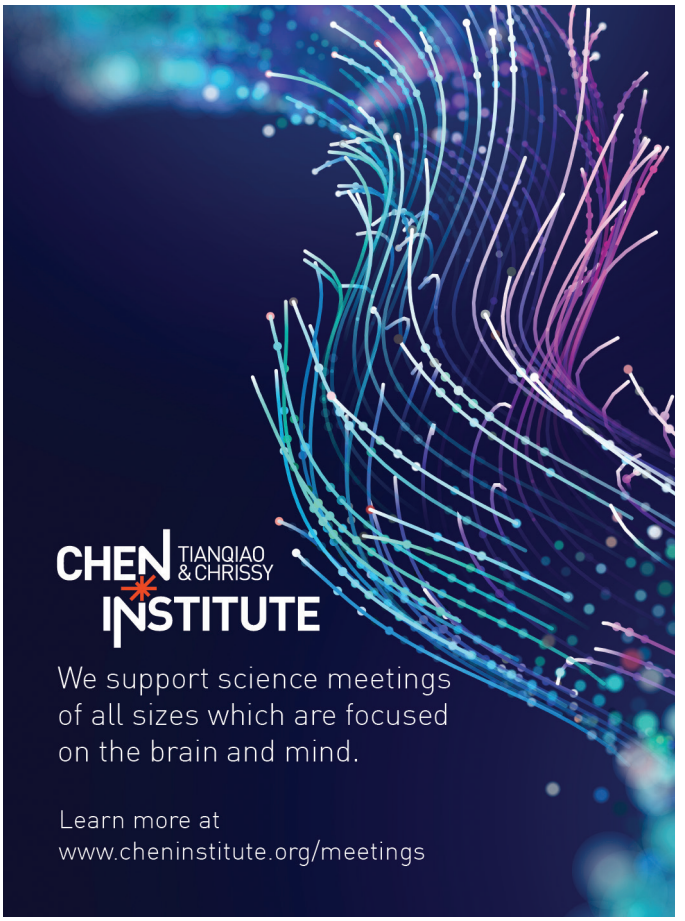

NeuroJobs

SfN's Online Career Center

Are you a job seeker or an employer?

During Neuroscience 2022, visit Sails Pavilion to apply for or post an open position and to schedule job interviews.

Saturday, November 12–Tuesday, November 15
8 a.m.–5 p.m.

Wednesday, November 16
8 a.m.–3 p.m.

neurojobs.sfn.org

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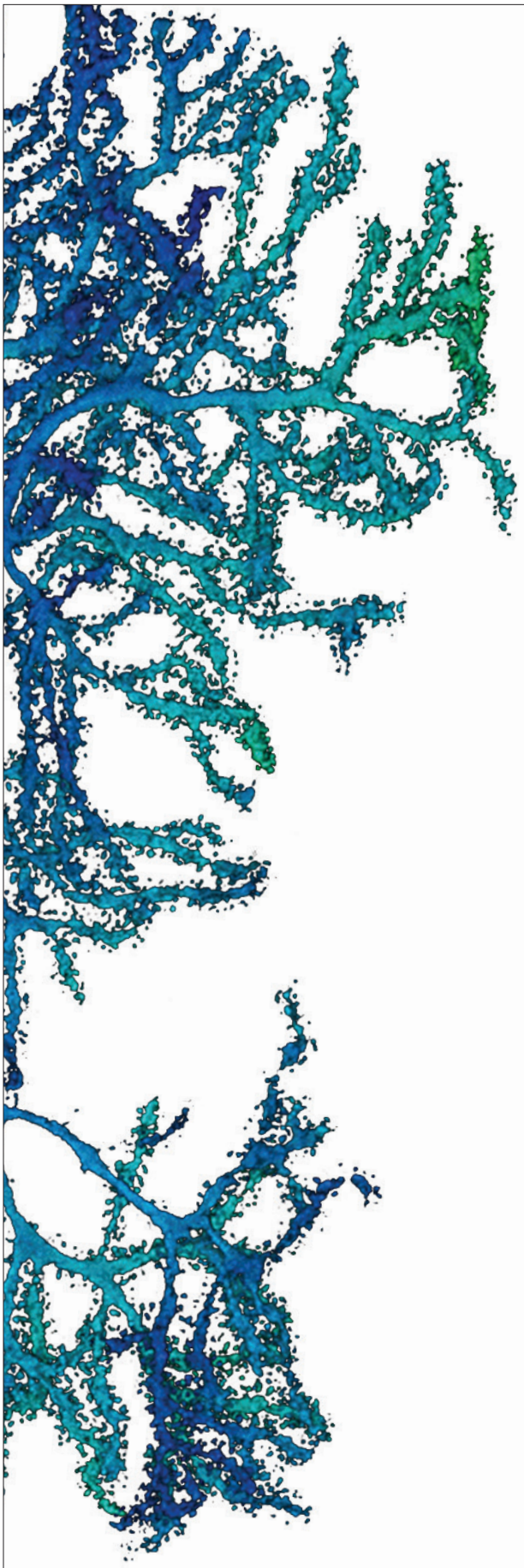

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Attendee Resources

The Society for Neuroscience strives to make the on-site experience of the annual meeting accessible to all interested members of the neuroscience community.

ADA/Special Accommodations

Real-Time Captioning Services and Special Needs Requests

Real-time captioning services will be provided for all lectures in Ballroom 20. Dedicated seating areas near the screens will display the captioned text.

If you require American Sign Language, CART transcription services, or have a disability or special need that may affect your participation in the annual meeting, contact meetings@sfn.org. SfN cannot ensure the availability of appropriate accommodations without prior notification of need. For assistance with special needs or disabilities on-site, visit the SfN headquarters office in the Sails Pavilion.

Scooter and Wheelchair Rentals

For scooter and wheelchair rentals, please contact the vendors below.

- **Mobility Source (Serving San Diego for 40 years)**
  Place your order through the Mobility Source website or by calling (619) 234-9505.
  Note: There will be a limited supply of scooters available for rent on-site.
- **Scootaround Inc**
  Reservations will be processed through the Scootaround website or by calling (888) 441-7575. If contacting by phone, press option 1 to speak with a representative in the reservations department to place a rental order.

Annual Meeting Headquarters Office

San Diego Convention Center: Sails Pavilion
Hours: Friday, Nov. 11 / Noon–5 p.m.
Saturday, Nov. 12–Wednesday, Nov. 16 / 7 a.m.–6 p.m.

The Annual Meeting Headquarters Office addresses all questions concerning annual meeting logistics and programming for the 2022 and 2023 annual meetings.

ATMs

There are two automatic teller machines (ATMs) located in Halls B2 and E lobbies. The lobbies of the Marriott Marquis, Grand Hyatt, and the Hilton Bayfront Hotels have ATMs for your added convenience.

Business Center

Shipping, mailing, faxing, photocopying, and other important services are available at the San Diego Convention Center. FedEx Office is located in the Hall D lobby and specializes in digital distribution and printing of conference materials. Depending on your needs, you will find a wide range of supplies and services. For your added convenience, the Marriott Marquis, Grand Hyatt and the Hilton Bayfront Hotels also operate full-service business centers.

Certificate of Attendance

San Diego Convention Center: Sails Pavilion

Every attendee is advised to obtain a certificate, available at the Attendee Services desk in the Sails Pavilion and sealed by SfN staff. Certificates of attendance are proof to home institutions that attendees were present at the meeting. The document is often required for reimbursement of meeting expenses. Attendees must pick up the certificate in person at the meeting. There are no exceptions.

Coat & Luggage Check

The San Diego Convention Center no longer offers coat and luggage check services. Please plan ahead to check your luggage at your hotel after checking out.

Child Care

San Diego Convention Center: 17B

On-site child care and youth programs are available for children ages six months to 12 years. This service is provided through KiddieCorp, a national firm with more than 36 years of experience, including 12 with SfN, in on-site conference child care.

Details, pricing, and reservation information are available on the KiddieCorp-Neuroscience 2022 web page at www.sfn.org/attendeeresources. All policies and fees are established by KiddieCorp, and all questions should be directed to them. Space is limited.

Note: All guardians or chaperones must attest that all eligible children are fully vaccinated for COVID-19 in accordance with the policies identified for attendees.

COVID-19 Testing Onsite

San Diego Convention Center: Room 3
Hours: Saturday, Nov. 12–Wednesday, Nov. 16, 7:30 a.m.–5 p.m.

Onsite COVID-19 testing provided by Safe Expo is available onsite at Neuroscience 2022 at the attendee's own expense. Rapid Antigen (15 min results), Rapid Molecular (30 min results), and Rapid PCR (30 min results) testing is available. For details and fees, visit www.sfn.org/healthsafety.

Donor and Volunteer Lounge

San Diego Convention Center: 14A

The Donor & Volunteer Lounge is a quiet space for donors and volunteers to take a break during the meeting and to learn more about SfN activities and opportunities for engagement.

Hours: Saturday, 9 a.m.–5 p.m.,
Sunday–Tuesday, 8 a.m.–5 p.m.
Wednesday, 8 a.m.–4 p.m.

Event Locations

Lectures, exhibits, scientific sessions, symposia, poster sessions, attendee services, and headquarters offices will be located in the San Diego Convention Center. SfN-sponsored socials will be held at the Marriott Marquis San Diego Marina. Satellite and ancillary events will be held at the San Diego Convention Center, the Marriott Marquis San Diego Marina, the Manchester Grand Hyatt San Diego, the Hilton San Diego Bayfront, and other San Diego facilities. Review the Neuroscience Meeting Planner at www.sfn.org/NMP for up-to-date locations.

San Diego Convention Center
111 W. Harbor Drive
San Diego, CA 92101

Hilton San Diego Bayfront
One Park Boulevard
San Diego, CA 92101

Manchester Grand Hyatt San Diego
One Market Place
San Diego, CA 92101

Marriott Marquis San Diego Marina
333 W. Harbor Drive
San Diego, CA 92101

Exhibits

San Diego Convention Center: Halls B–H
Hours: Sunday, Nov. 13–Wednesday, Nov. 16
9:30 a.m.–5 p.m.

Exhibits provide attendees an opportunity to learn about the latest products, publications, and services available. Pick up a copy of the *Program and Exhibit Guide* at any program pick-up kiosk. *The Program and Exhibit Guide* includes a listing of exhibiting companies and a cross-referenced listing of companies by type of product exhibited. Links to exhibiting company websites are available through the Neuroscience 2022 website, www.sfn.org/exhibits. The hyperlinks will remain live through June 30, 2023.

Inquiry cards: Your badge will serve a double purpose: (1) as a name badge and (2) an exhibit inquiry card. Your demographic information will be encoded onto the front of the badge. E-mail addresses will only be included if you selected the option box when registering. Council encourages all annual meeting attendees to present their badge at each exhibit booth they visit.

Exhibitors determine the success of their participation in the annual meeting by the number of leads they accumulate from attendees visiting their exhibit booths. We appreciate your cooperation — a successful exhibit program helps defray the cost of running the annual meeting and keeps registration fees at a minimum.

For further information, visit www.sfn.org/exhibits or contact exhibits@sfn.org.

First Aid Services

San Diego Convention Center: Box Office G

During session hours, the first aid room at the convention center will be open and staffed by certified medical providers.

Food Courts

San Diego Convention Center: Sails Pavilion
Hours: Saturday, Nov. 12
11 a.m.–2 p.m.
Sunday, Nov. 13–Wednesday, Nov. 16
7:30 a.m.–3 p.m.

Gender Inclusive Restroom

There is a Gender Inclusive Restroom available in Lobby A.

Infant Care Facilities
San Diego Convention Center: 17A

The infant care room is designed to provide privacy for parents and guardians caring for infants. The room is equipped with chairs, tables, and electrical access in private areas for nursing or pumping. Additionally, the room has an open seating area, diaper changing tables, and a water cooler (room temperature).

Parents and guardians are responsible for providing their own infant care supplies. A limited number of lockers will be available for storing supplies. The infant care room is unsupervised. SfN is not responsible for accidents or injuries that may occur in this room or any items left unattended.

The San Diego Convention Center also includes a nursing mother's lounge outside the Woman's Restroom in Lobby E and next to the Woman's Restroom in Lobby A.

Information Booths
Information booths, operated by members of SfN staff, are located in the following areas of the San Diego Convention Center:

Lobby D & Sails Pavilion
Saturday, Nov. 12–Tuesday, Nov. 15
7:30 a.m.–6 p.m.
Wednesday, Nov. 16
7:30 a.m.–5 p.m.

Literature Displays
San Diego Convention Center: Sails Pavilion

Keep your eyes open for important annual meeting event updates on display in the registration area of the San Diego Convention Center. Approval is required to place announcements on displays. Attendees can get approval before the meeting by contacting meetings@sfn.org, or on-site in the Headquarters Office.

Lost and Found
San Diego Convention Center: Sails Pavilion

Direct inquiries about lost items to the lost and found counter in the Attendee Services area of the San Diego Convention Center.

My Neuroscience Marketplace
Build your list of preferred exhibitors through My Neuroscience Marketplace at www.sfn.org/exhibits, a virtual directory of vendors offering products and services to the neuroscience community. My Neuroscience Marketplace is searchable by exhibitor names, booth numbers, products, or keywords.

NeuroJobs Career Center
San Diego Convention Center: Sails Pavilion

Hours: Saturday, Nov. 12–Tuesday, Nov. 15
8 a.m.–5 p.m.
Wednesday, Nov. 16
8 a.m.–3 p.m.

The on-site SfN NeuroJobs Career Center connects employers with a pool of well-qualified candidates seeking opportunities ranging from postdoctoral and faculty positions to neuroscience-related jobs in industry and other areas. Job seekers and employers can take advantage of interview booths and computers for posting jobs and scheduling interviews. For prices and more information on how to set up a NeuroJobs account, visit www.sfn.org/neurojobs. On-site payment can be made by credit card only.

Photography and Recording Policy
SfN is committed to honoring the rights of copyright owners and to respectful sharing of scientific research and data. SfN now permits photography and recording during scientific meetings and events within the boundaries discussed in the policy. To view the full policy, visit www.sfn.org/photopolicy. In the absence of a visible icon, photography and recording of a presentation or exhibit booth is prohibited.

Prayer Room
San Diego Convention Center: 18

There will be a prayer room available for attendee use at Neuroscience 2022. The prayer room is unsupervised, and SfN is not responsible for the loss of any personal property left unattended in the room.

Press Offices
San Diego Convention Center
Press Room: 15B
Press Conference Room: 15A
Press Interview Room: 14B

Hours: Saturday, Nov. 12–Wednesday, Nov. 16, 8 a.m.–5 p.m.

Members of the press must pick up their badges at Badge Pick Up.

Program and Exhibit Guide Pick-Up
San Diego Convention Center

The *Program and Exhibit Guide* will be available on-site at the San Diego Convention Center and online at www.sfn.org/am2022 as a downloadable PDF. Attendees can pick up a copy of the *Program and Exhibit Guide* at any *Program and Exhibit Guide* pick-up location in the convention center.

SfN Booth
San Diego Convention Center: Hall D, Booth #1513

As you experience Neuroscience 2022's Exhibit Hall, stop by the SfN Booth to learn about new member resources and services offered by your professional society.

Speaker Ready Room
San Diego Convention Center: 9
Hours: Saturday, Nov. 12–Wednesday, Nov. 16
7 a.m.–5 p.m.

Presenters are urged to check their media at least 24 hours in advance of presentation in the Speaker Ready Room to confirm compatibility with the session room computers.

Transportation to and from San Diego Convention Center/Hotels
For information on the complimentary SfN shuttle service and other travel resources, see page 41.

Wireless Internet
As a service to annual meeting registrants, SfN provides free wireless Internet access in designated areas of the San Diego Convention Center during Neuroscience 2022. To take advantage of this free service, bring a laptop, smartphone, or other device with a built-in wireless network card or with an external wireless card that is 802.11b/g/a/n/ac compatible, and set your network card to use DHCP (or acquire address automatically). The Exhibit Hall areas will provide wireless service only to wireless cards that are 802.11n compatible. Wireless network users should reference the FAQs and disclaimers at www.sfn.org/wireless before accessing the network. SfN will provide support for wireless users at the Wireless Support booth in the Attendee Services area of the Sails Pavilion.

Unlock year-round resources for scientists at all career stages.

- The latest science
- Virtual events
- Career opportunities
- Advocacy
- Training and professional development
- Scientific publishing

SfN Society for Neuroscience

sfn.org/membership

Hotel Map

On-site phone: (619) 525-6215

The Society's housing company, Convention Management Resources (CMR), will be on-site to assist with any housing questions during the meeting. Representatives will be located in the San Diego Convention Center, Sails Pavilion, Nov. 12–16 during the following hours:

Date	Time
Saturday, Nov. 12	7:30 a.m.–5 p.m.
Sunday, Nov. 13	7:30 a.m.–5 p.m.
Monday, Nov. 14	7:30 a.m.–5 p.m.

Date	Time
Tuesday, Nov. 15	7:30 a.m.–5 p.m.
Wednesday Nov. 16	7:30 a.m.–3 p.m.

Hotel List

	Hotel Name/Address	Shuttle Route	Pick Up Point
	The Hilton San Diego Bayfront, the Manchester Grand Hyatt San Diego, and the Marriott Marquis San Diego Marina are the official co-headquarter hotels.		
	Co-Headquarter Hotels		
1	Hilton San Diego Bayfront One Park Boulevard	Walk	Walk to San Diego Convention Center
2	Manchester Grand Hyatt San Diego One Market Place	Walk	Walk to San Diego Convention Center
3	Marriott Marquis San Diego Marina 333 West Harbor Drive	Walk	Walk to San Diego Convention Center
	Attendee		
4	Andaz San Diego 600 F Street	3-Green	Across Street on 6th Ave. at F Street
5	Best Western Plus Bayside Inn 555 West Ash Street	2-Blue	On India Street at Ash Street
6	Carte Hotel Downtown, Curio Collection by Hilton 401 W Ash Street	2-Blue	Walk to Best Western on India Street at Ash Street
7	Courtyard San Diego Gaslamp/Convention Center 453 Sixth Avenue	3-Green	Walk to Hotel Z on 6th Street at Island Avenue
8	DoubleTree by Hilton Hotel San Diego Downtown 1646 Front Street	4-Orange	Curbside at Union Street Entrance
9	Embassy Suites by Hilton San Diego Bay Downtown 601 Pacific Highway	1-Red	Curbside on Pacific Hwy.
10	Four Points by Sheraton Downtown Little Italy 1617 First Avenue	4-Orange	Walk to DoubleTree – Curbside at Union Street Entrance
11	Hampton Inn San Diego Downtown 1531 Pacific Highway	2-Blue	Curbside on Pacific Highway
12	Hard Rock Hotel San Diego 207 Fifth Avenue	Walk	Walk to San Diego Convention Center
13	Hilton San Diego Gaslamp Quarter 401 K Street	Walk	Walk to San Diego Convention Center
14	Holiday Inn Express San Diego Downtown 1430 7th Avenue	4-Orange	Curbside on Ash Street

	Hotel Name/Address	Shuttle Route	Pick Up Point
15	Horton Grand Hotel 311 Island Avenue	Walk	Walk to San Diego Convention Center
16	Hotel Indigo San Diego Gaslamp Quarter 509 Ninth Avenue	3-Green	Curbside on 9th Ave.
17	Hotel Republic San Diego, Autograph Collection 421 West B Street	2-Blue	Walk to Westin Bayview – Curbside on Broadway
18	Hotel Z Gaslamp Quarter 521 Sixth Avenue	3-Green	On 6th Street at Island Avenue
19	Intercontinental San Diego 901 Bayfront Court	1-Red	Curbside on Pacific Highway
20	Moxy San Diego Downtown/Gaslamp Quarter 831 6th Avenue	3-Green	Across Street on 6th Avenue at F Street
21	Omni San Diego Hotel 675 L Street	Walk	Walk to San Diego Convention Center
22	Pendry San Diego 550 J Street	Walk	Walk to San Diego Convention Center
23	Porto Vista Hotel 1835 Columbia Street	4-Orange	Across the street on Columbia
24	San Diego Marriott Gaslamp Quarter 660 K Street	Walk	Walk to San Diego Convention Center
25	SpringHill Suites Downtown/Bayfront 900 Bayfront Court	*1-Red*	Walk to the Intercontinental – Curbside on Pacific Highway
26	US Grant Hotel 326 Broadway	*2-Blue*	Walk to the Westin Gaslamp – Curbside on 1st Avenue
27	Westin San Diego Bayview 400 West Broadway	2-Blue	Curbside on Broadway
28	Westin San Diego Gaslamp Quarter 910 Broadway Circle	*2-Blue*	Curbside on 1st Avenue
29	Wyndham San Diego Bayside 1355 North Harbor Drive	1-Red	Curbside in Front

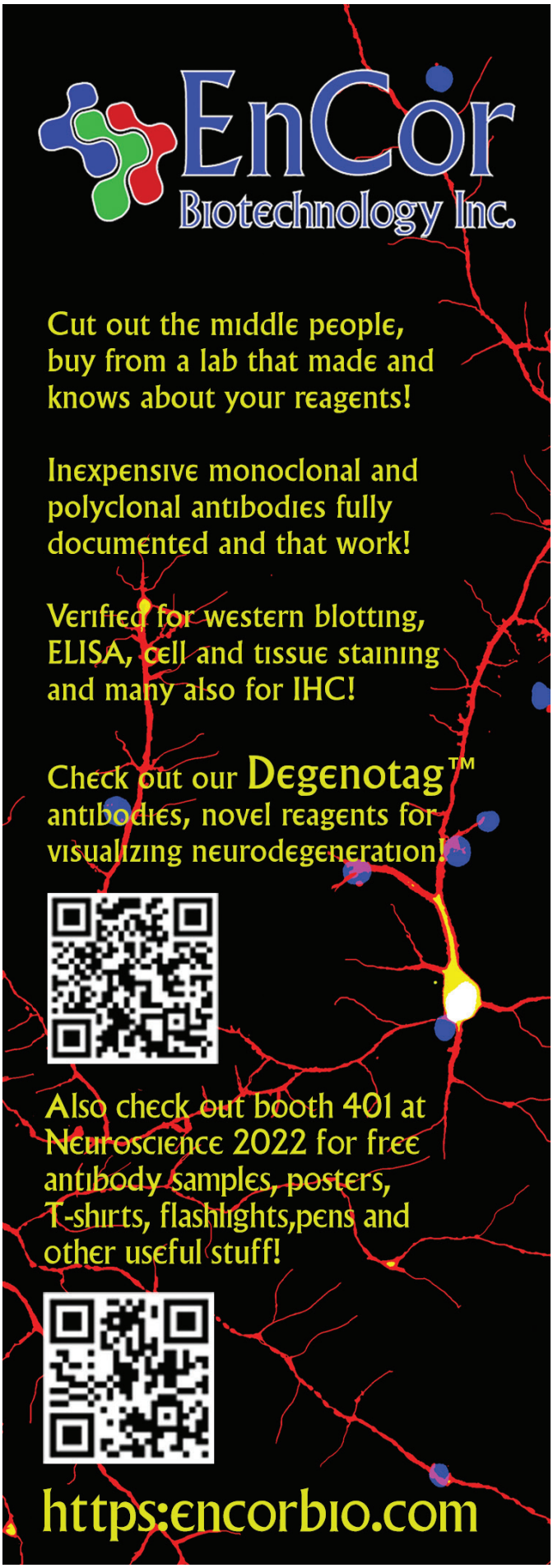
Current sales and occupancy taxes are 12.8% per room, per night. Hotel tax is subject to change and does not include additional surcharges (up to $0.80 per night) which may be applicable. Hotel rates include a nominal $18 fee to help defray the high cost of the shuttle service, which will be provided to the San Diego Convention Center from most of the hotels throughout the day.

Shuttle Schedule

SfN provides complimentary shuttle services between the San Diego Convention Center and most of the official SfN meeting hotels, with the exception of hotels within walking distance to the convention center. Service is every 10–20 minutes.

For questions or concerns about shuttle routes and schedules while at the annual meeting, call the shuttle information desk at (619) 525-5715 or stop by the shuttle information desk located in the San Diego Convention Center, Box Office E.

Date	Times	Service
Saturday, November 12	7 a.m.–4 p.m. 4–10 p.m.	20-minute service 10–15 minute service
Sunday, November 13	7–10:30 a.m. 10:30 a.m.–4 p.m. 4–8 p.m. 8–9:30 p.m.	10-15 minute service 20-minute service 10–15 minute service 20-minute service
Monday, November 14	7–10:30 a.m. 10:30 a.m.–4 p.m. 4–8 p.m. 8–9:30 p.m.	10–15 minute service 20-minute service 10–15 minute service 20-minute service
Tuesday, November 15	7–10:30 a.m. 10:30 a.m.–4 p.m. 4–8 p.m. 8–9:30 p.m.	10–15 minute service 20-minute service 10–15 minute service 20-minute service
Wednesday, November 16	7–10:30 a.m. 10:30 a.m.–3:30 p.m. 3:30–6 p.m.	10–15 minute service 20-minute service 10–15 minute service



Hotel Floor Plans

Marriott Marquis San Diego Marina

333 W Harbor Dr
San Diego, CA 92101

South Tower

1st Floor
Laguna
Leucadia
Oceanside
Point Loma
Santa Rosa
Solana
Vista

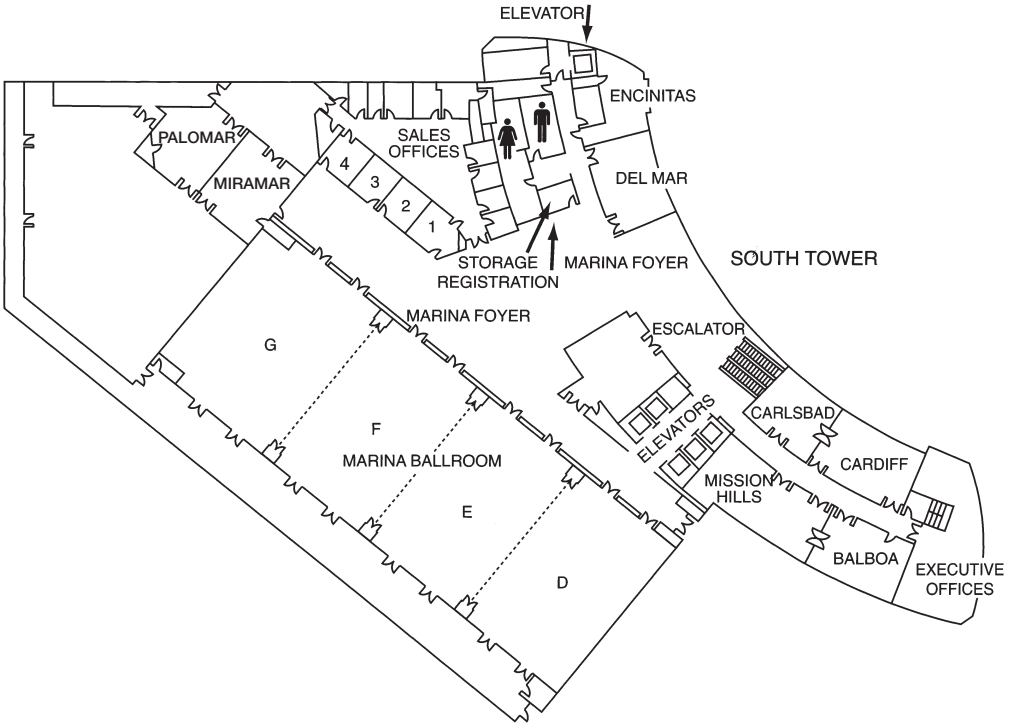
3rd Floor
Balboa
Cardiff
Carlsbad
Del Mar
Encinitas
Marina Ballroom D–G Miramar
Mission Hills
Palomar

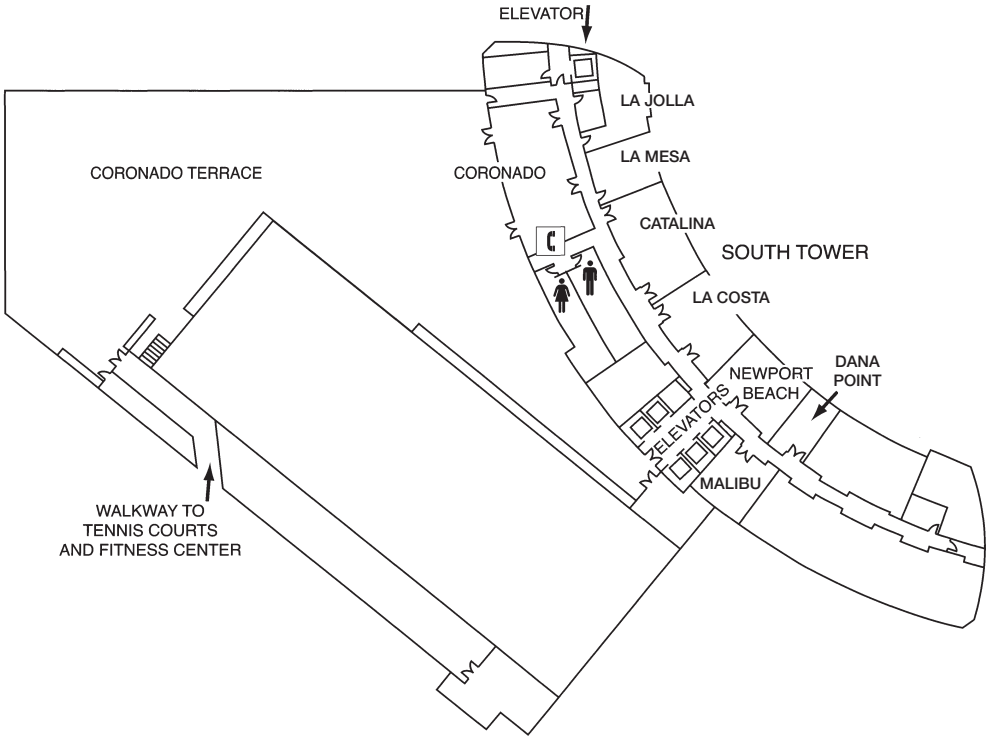
4th Floor
Catalina
Coronado
Dana Point
La Costa
La Jolla
La Mesa
Malibu
Newport Beach

North Tower

Lobby Level
Marriott Grand Ballroom 1–13
Presidio 1–2
Rancho Santa Fe 1–3
San Diego Ballrooms A–C
Torrey Pines 1–3

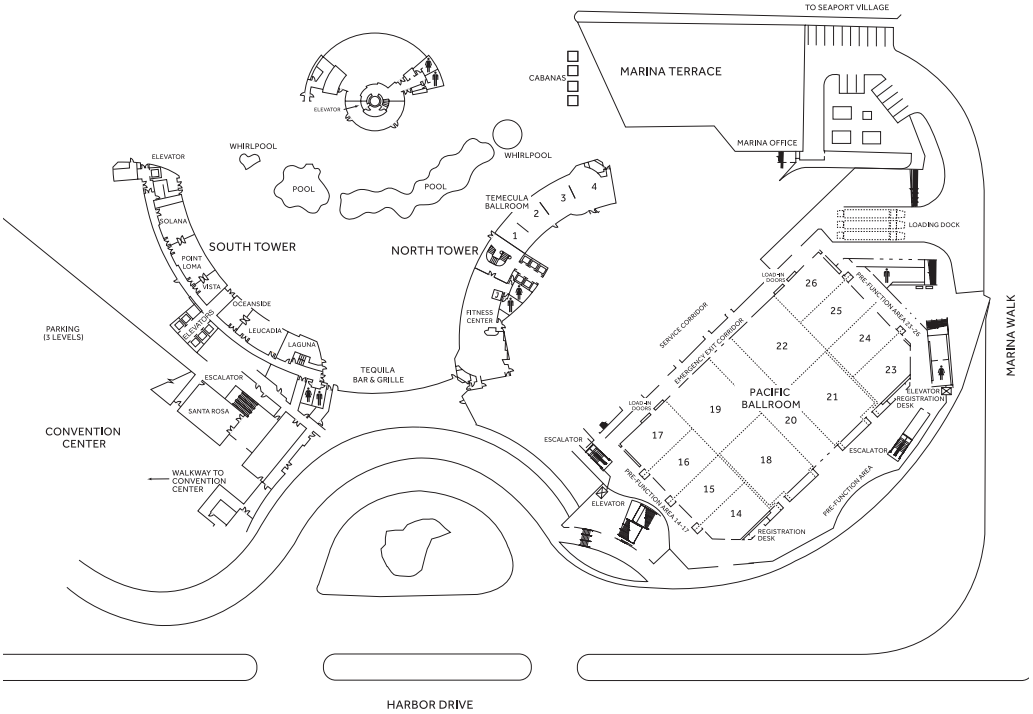
1st Floor
Pacific Ballroom 17–26
Temecula



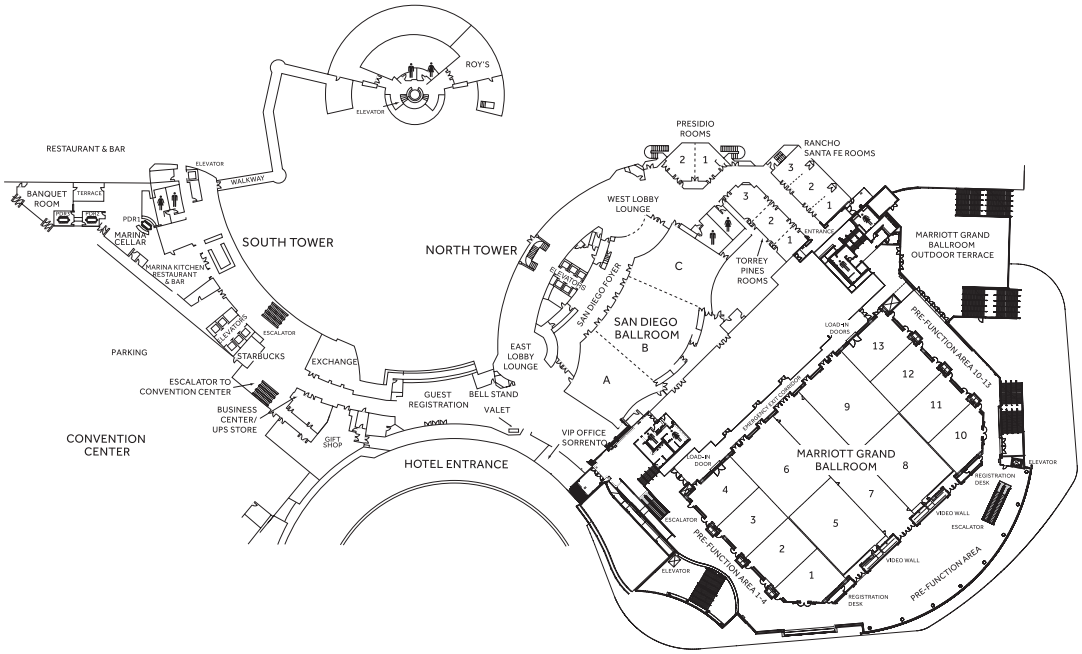


Hotel Floor Plans

Marriott Marquis San Diego Marina
333 W Harbor Dr
San Diego, CA 92101



First Floor
(Ground Level)



Second Floor
(Lobby Level)

Hotel Floor Plans

Hilton San Diego Bayfront
1 Park Blvd
San Diego, CA 92101

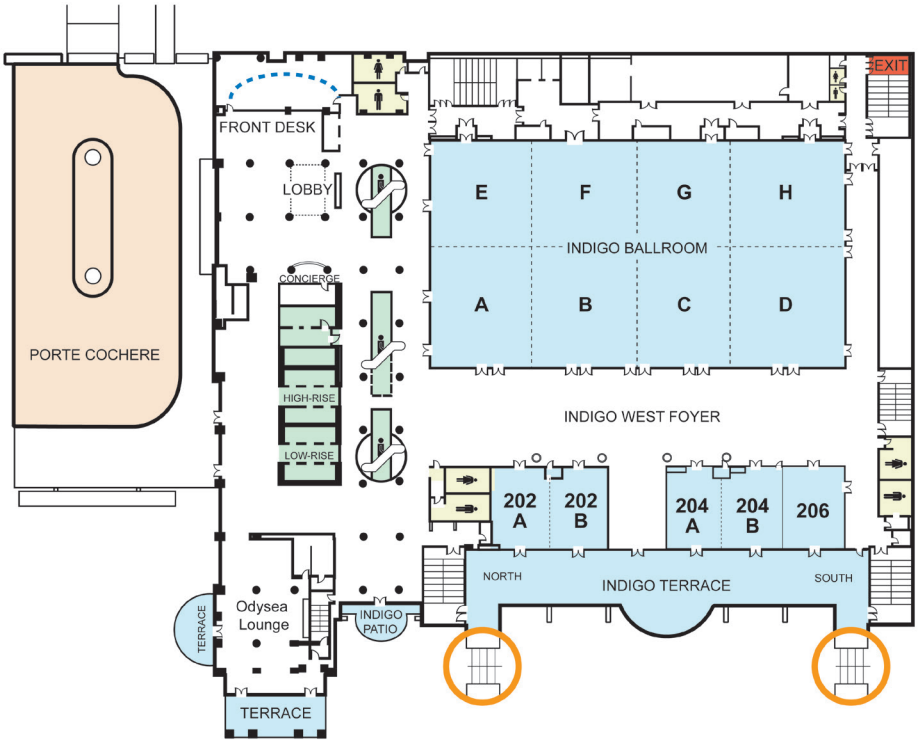
Aqua Level

Cobalt Level

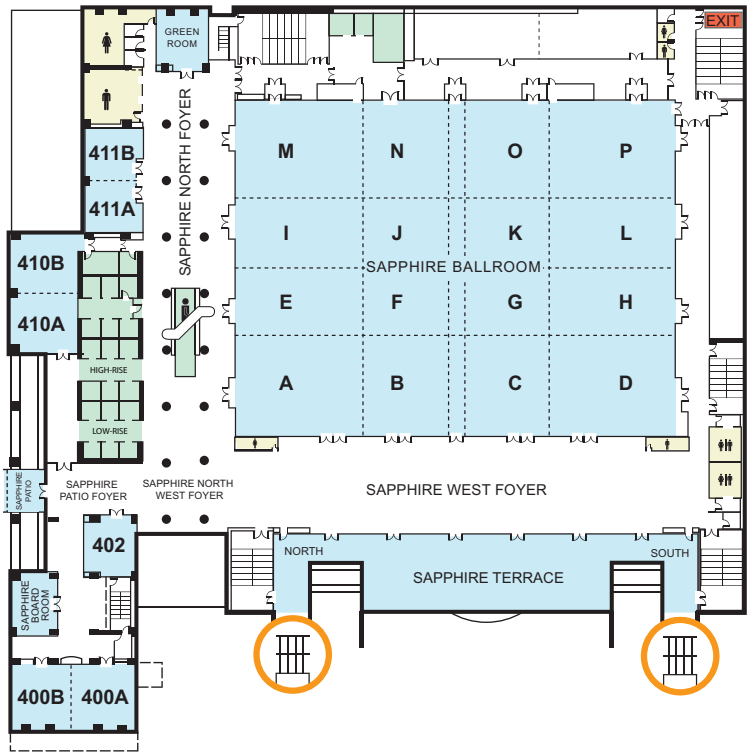
Hotel Floor Plans

Hilton San Diego Bayfront
1 Park Blvd
San Diego, CA 92101

Indigo Level



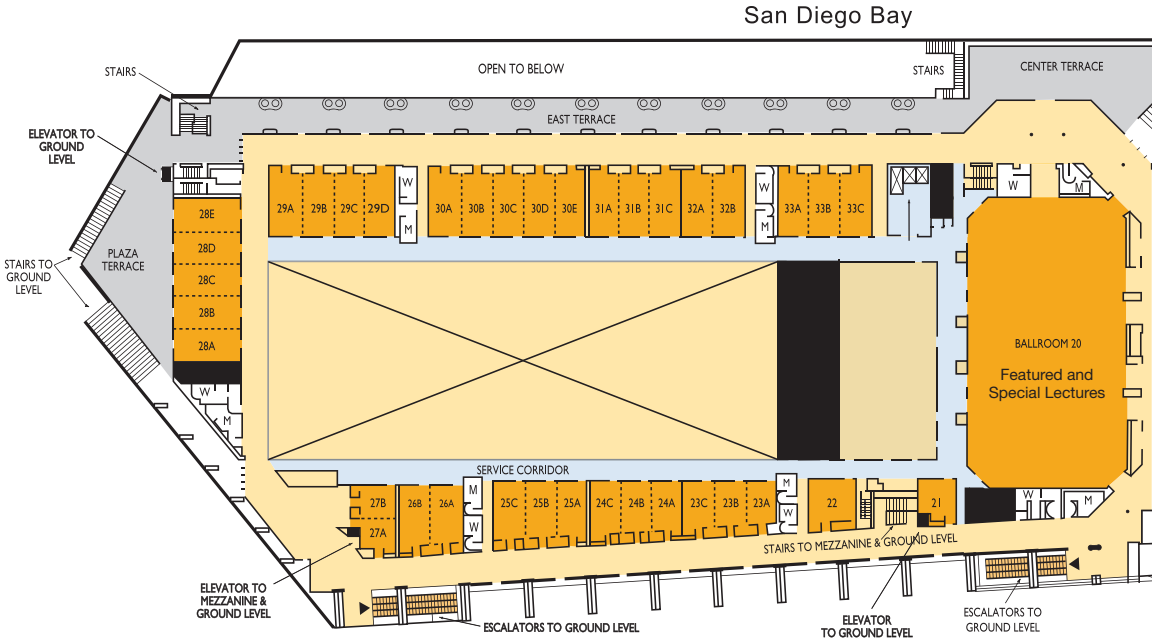
Sapphire Level

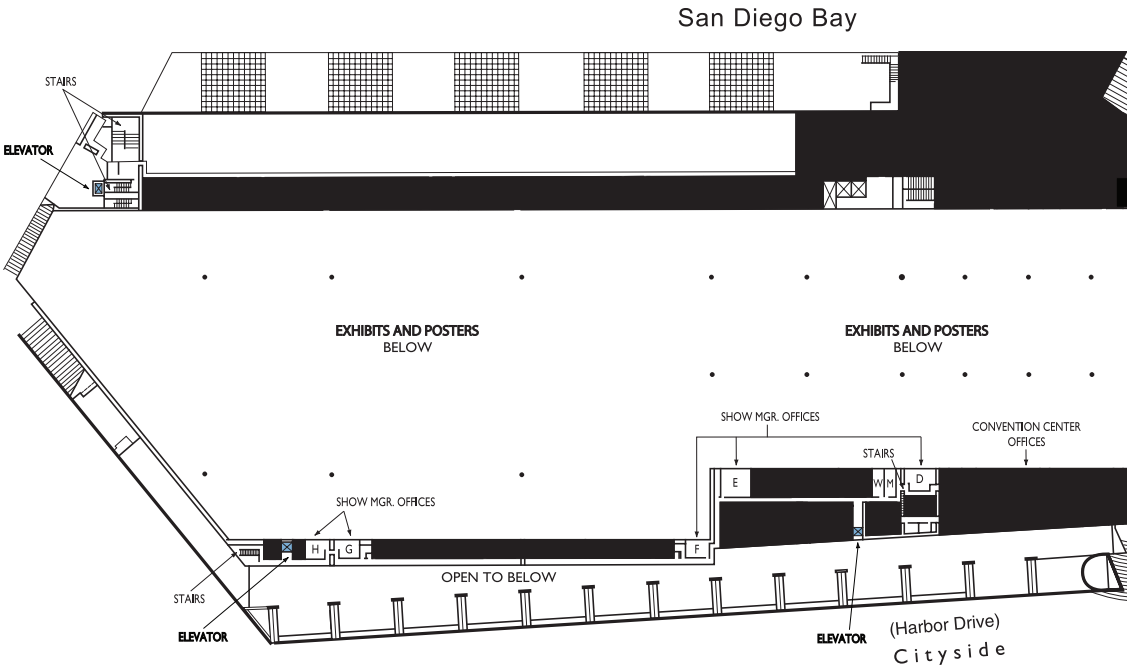


Convention Center Floor Plans

San Diego Convention Center

111 W Harbor Dr
San Diego, CA 92101

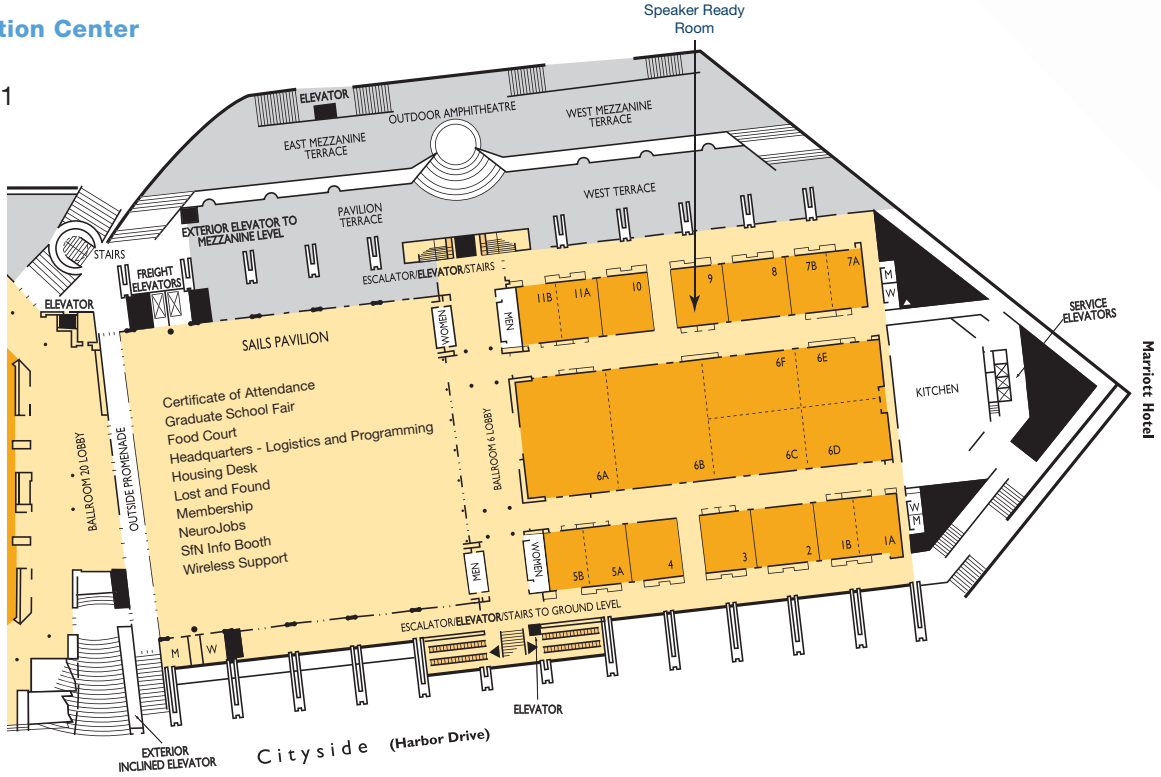




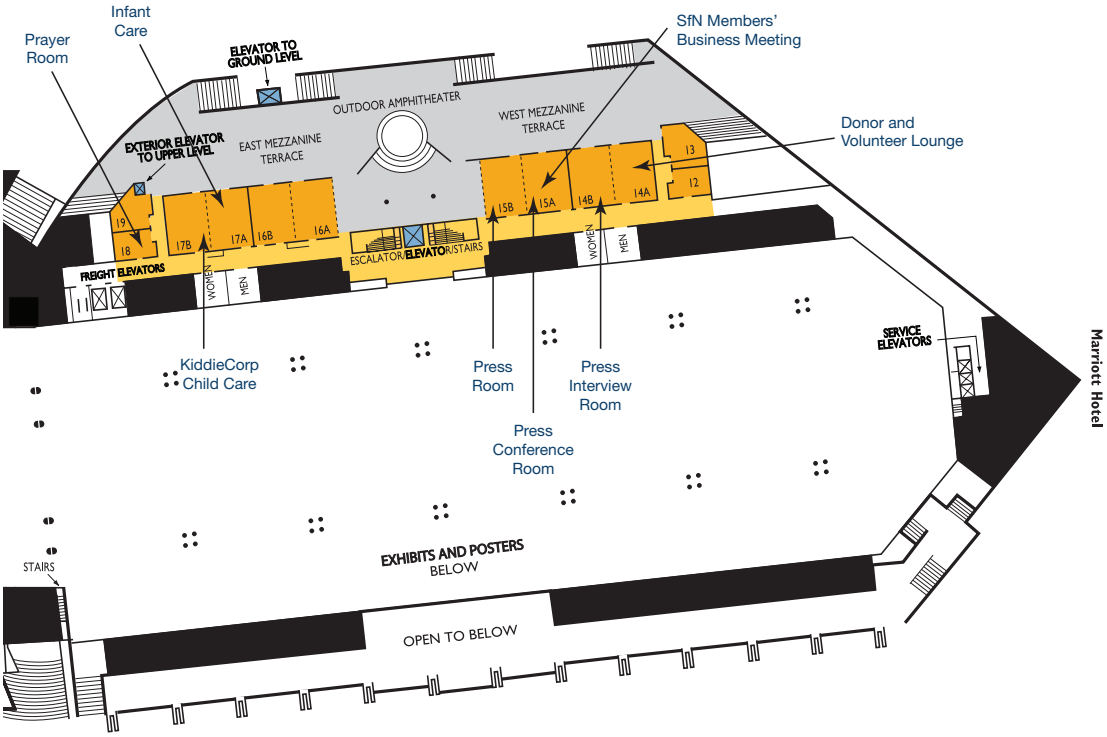
Convention Center Floor Plans

San Diego Convention Center
111 W Harbor Dr
San Diego, CA 92101

Upper Level

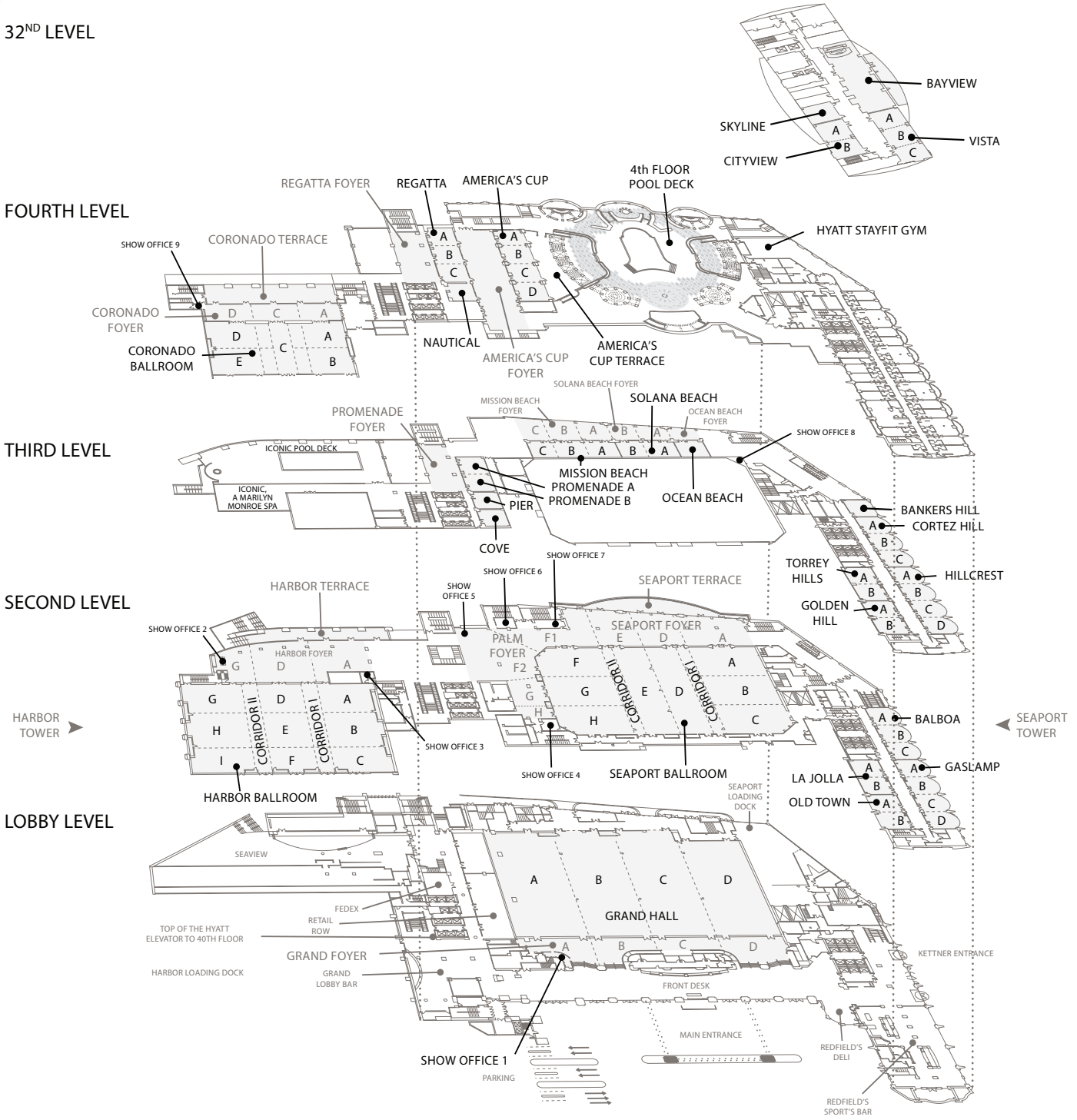


Mezzanine Level



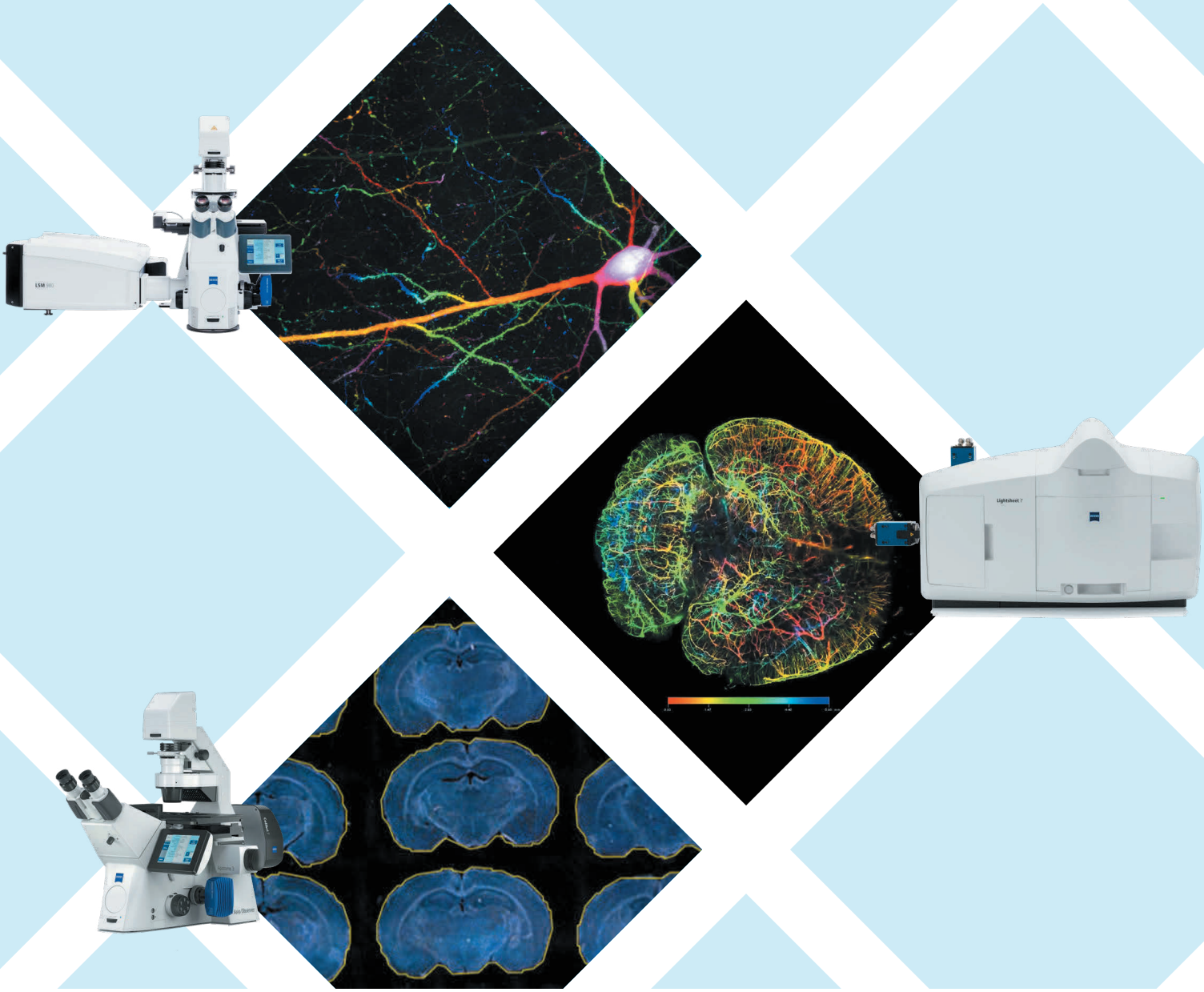
Hotel Floor Plans

Manchester Grand Hyatt
1 Market Pl
San Diego, CA 92101



The power of possibilities

Bring curiosity into focus



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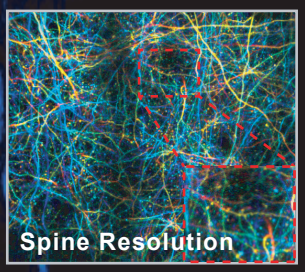
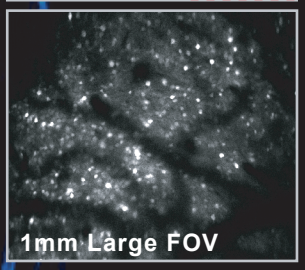
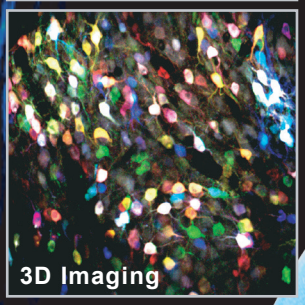






Strong

- Single spine resolution at FOV (500×400×200 μm³)
- Subcell resolution at FOV (1000×850×500 μm³)
- More than 800 μm depth imaging in free-moving mice

Small

- All-in-one system
- 2.6g miniature microscope probe for free-moving mice

Smart

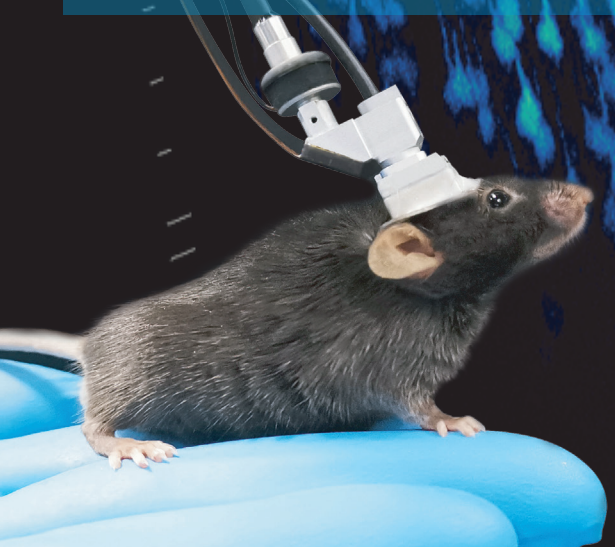
- Automated fault detection and diagnosis
- Compatible with more than 10 brands of femtosecond laser
- Animals in various states: awake, asleep, moving, resting, etc.

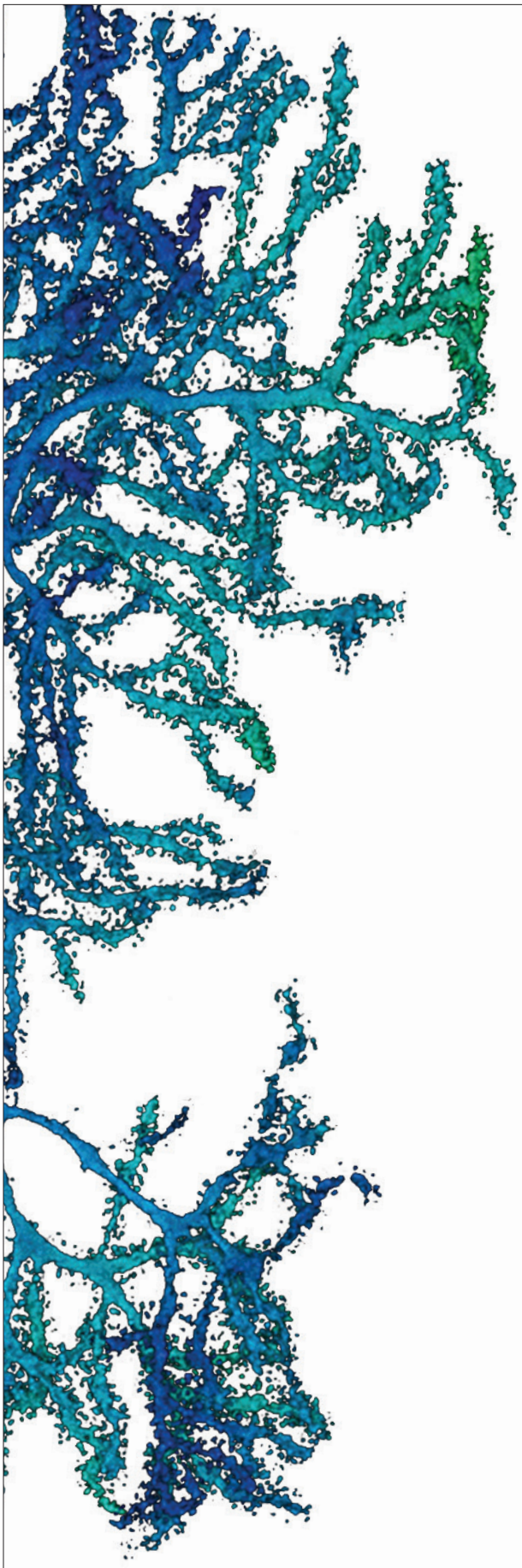
Simple

- Lean design and easy-to-use
- Configured with automated neuron processing software

Stable

- Run continuously and smoothly for at least 7 days





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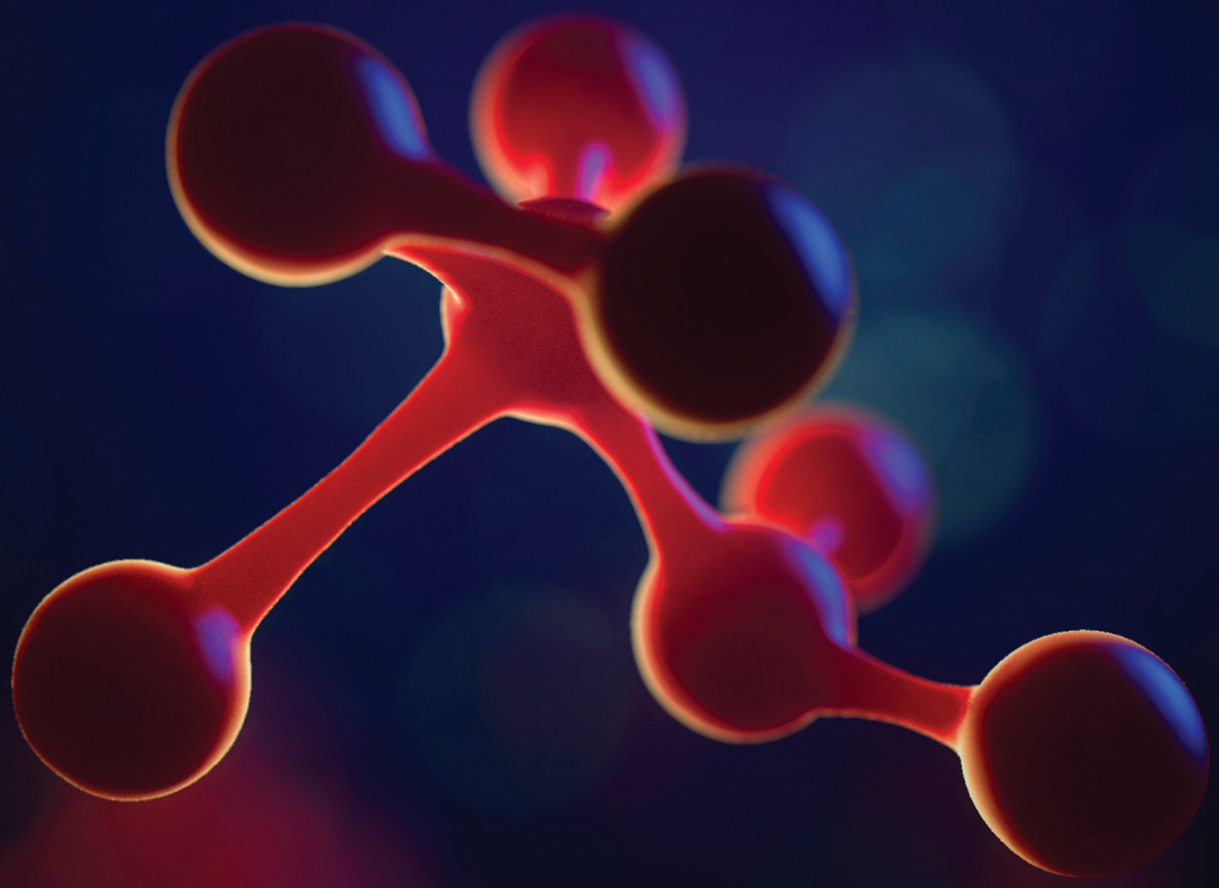
Science
JOURNALS AAAS



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The Neuroscience 2022 Exhibit Hall is a bustling marketplace for the newest and most popular products, technologies, and services to aid neuroscientists in research.

Exhibitors include government and independent research institutes, nonprofit organizations, publishers, and a wealth of biotech, pharmaceutical, and other commercial companies — offering everything from imaging/optical instruments to computer-related instruments to laboratory equipment. Reserve time to visit the exhibits. You will find something new and interesting each day. While browsing the exhibit hall, you will have the opportunity to:

- Interact with knowledgeable company representatives
- View presentations on innovative products that can simplify your daily work
- Experience the latest technology solutions
- Obtain reference materials and free samples

About the Exhibit Guide

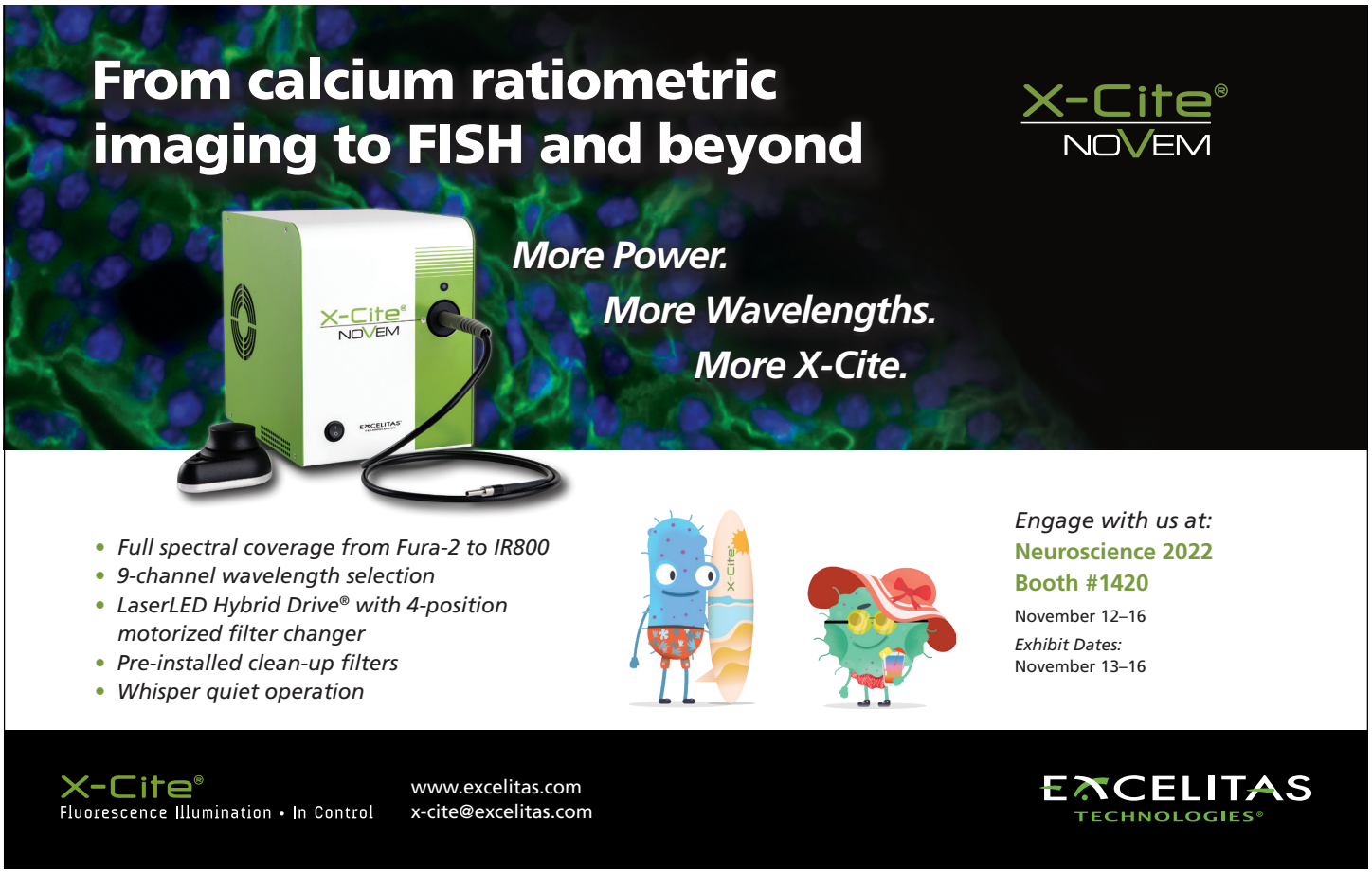
This guide will help you navigate the exhibit hall. It includes the names, products, and booth numbers of all Neuroscience 2022 exhibitors, as well as a helpful floor plan. Contact information for each exhibitor is also included, as they hope to serve as a resource to you during and after the meeting. Be sure to keep your copy as a year-round reference tool.

Exhibit Days and Hours

Sunday, Nov. 13 .....9:30 a.m.–5 p.m.
Monday, Nov. 14.....9:30 a.m.–5 p.m.
Tuesday, Nov. 15 .....9:30 a.m.–5 p.m.
Wednesday, Nov. 16.....9:30 a.m.–5 p.m.

Advertisers

Companies with advertisements in this *Exhibit Guide* are labeled: ✱ COMPANY NAME



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Phone: 949-351-6413
Email: molly.hayes@10xgenomics.com
Website: 10xgenomics.com

3i - Intelligent Imaging Innovations
Booth 1433
Denver, CO
Phone: 720-437-6961
Email: sales@intelligent-imaging.com
Website: intelligent-imaging.com

A

AAAS Science & Technology Policy Fellowships
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Washington, DC
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Email: fellowships@aaas.org
Website: go.stpf-aaas.org/SfN2022.html

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Email: kaylee.berkelhammer@abcam.com
Website: abcam.com

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Email: sales@abcepta.com
Website: abcepta.com

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Email: service@abclonal.com
Website: abclonal.com

Abiosciences, Inc.
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Phone: 650-770-5619
Email: tina.mah@abiosciences.com
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Email: contact@actnova.io
Website: actnova.io

AD Knowledge Portal
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Phone: 303-817-1188
Email: zoe.leanza@sagebase.org
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Email: Maturin@scripps.edu
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ADInstruments
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Phone: 719-459-6272
Email: sales@adinstruments.com
Website: adinstruments.com

AdipoGen Life Sciences
Booth 207
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Phone: 858-457-8383
Email: info-us@adipogen.com
Website: adipogen.com

Advanced Brain Monitoring
Booth 407
Carlsbad, CA
Phone: 760-720-0099 Ext. 6038
Email: sales@b-alert.com
Website: advancedbrainmonitoring.com

Advanced Targeting Systems
Booth 2425
Carlsbad, CA
Phone: 858-642-1988
Email: denise@atsbio.com
Website: ATSbio.com

Agilent Technologies
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Phone: 888-451-5171
Email: cellanalysis.support@agilent.com
Website: agilent.com

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Phone: 617-840-9941
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Farmingdale, NY
Phone: 631-393-6401
Email: margaret@alascience.com
Website: alascience.com

Alleima
Booth 2831
Palm Coast, FL
Phone: 386-447-5030
Email: liddon.dell@sandvik.com
Website: alleima.com/en/products/wire/exera-fine-medical-wire

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Booth 1312
Seattle, WA
Phone: 206-548-7000
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Japan
Phone: 510-845-6283
Email: info@autom8.com
Website: med64.com

Alpha Omega Engineering
Booth 101
Alpharetta, GA
Phone: 678-982-9072
Email: g.evagoras@alphaomega-eng.com
Website: alphaomega-eng.com

Alzheimer's Association
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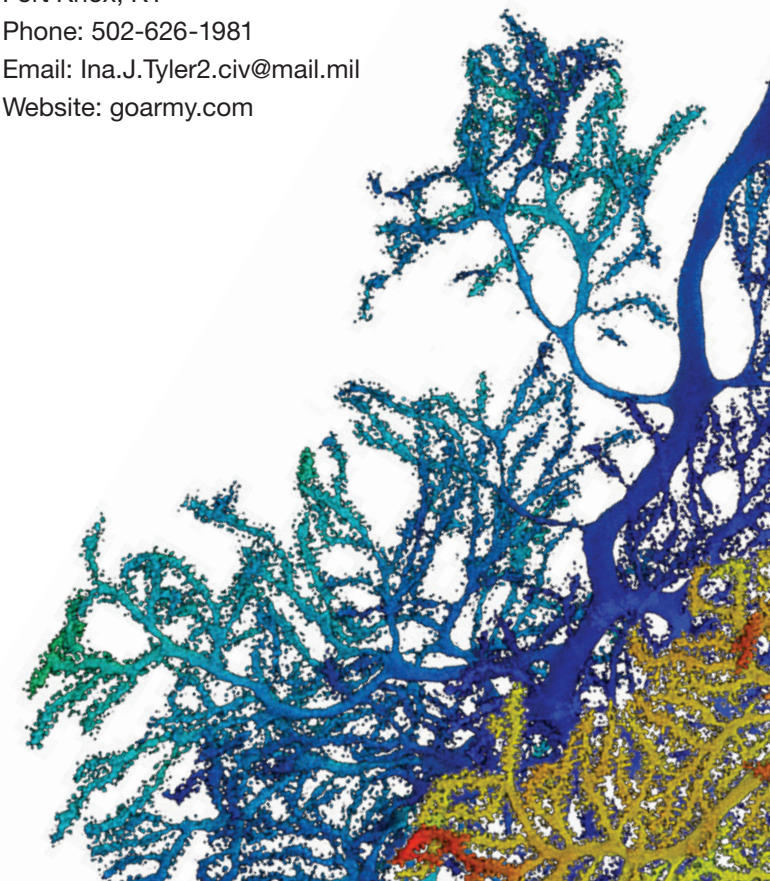

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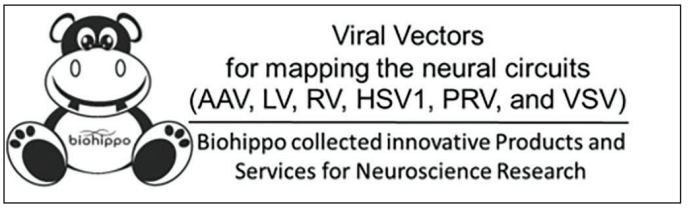

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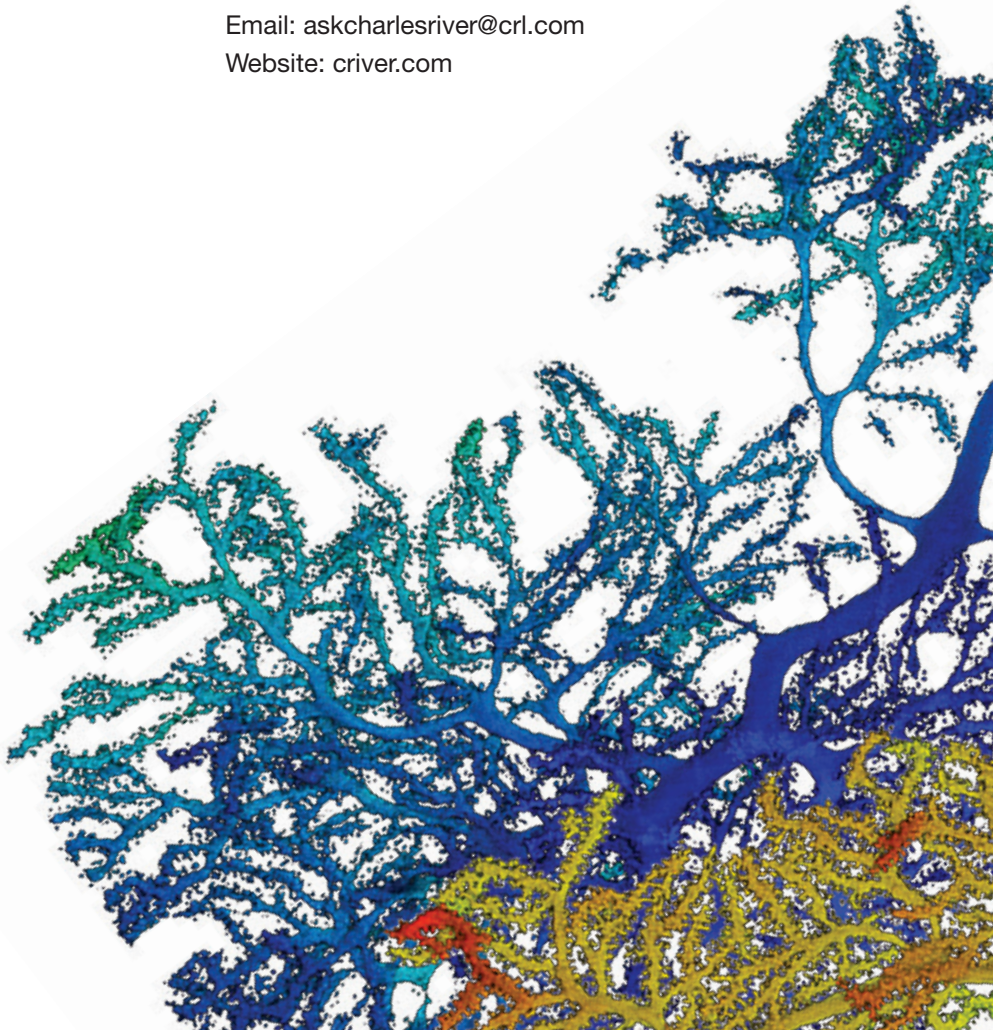

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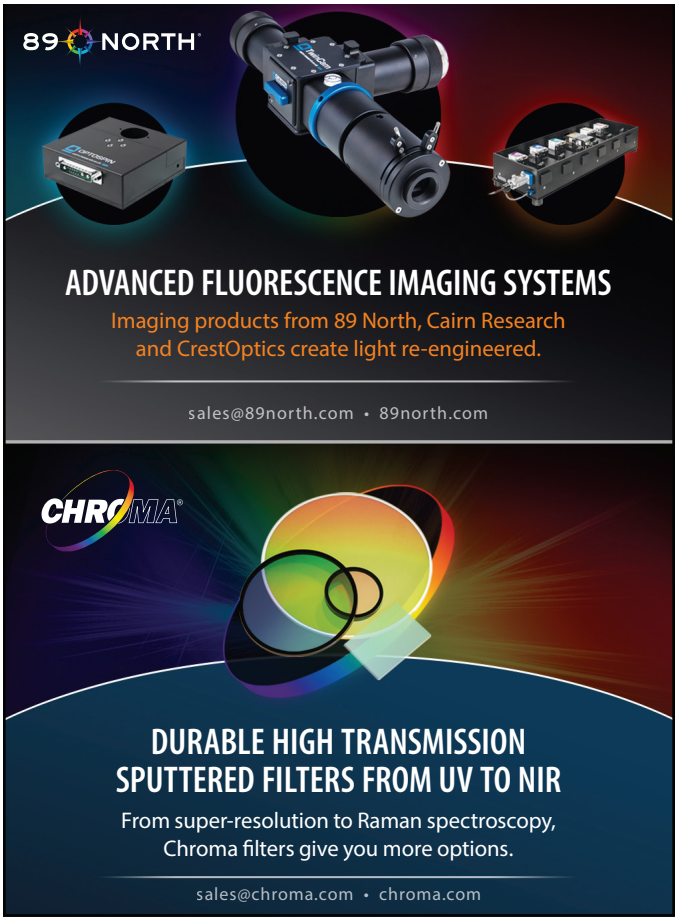

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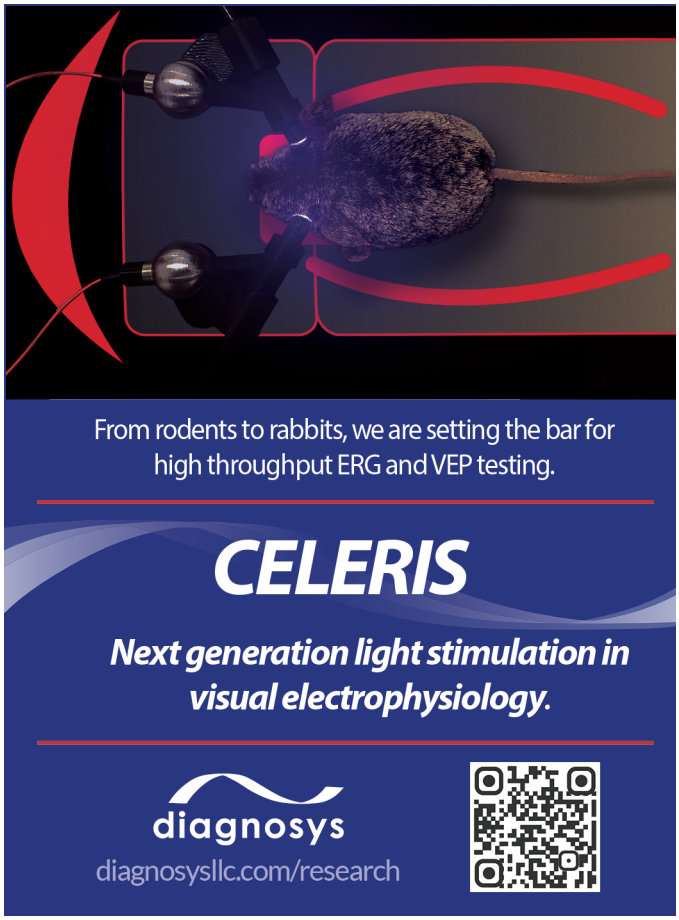

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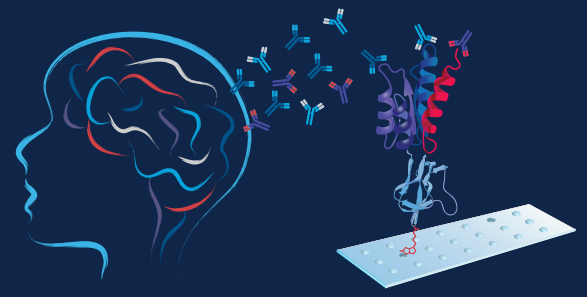

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Zantiks Ltd	128
Biochemicals	
AdipoGen Life Sciences	207
Advanced Targeting Systems	2425
Antibodies Incorporated	915
AQ Life Sciences	3032
Arbor Assays	1837
Aves Labs	915
Biocytogen	2703
Biohippo Inc	2616
Biosensis Pty Ltd	137
Diagenode	501
FUJIFILM Wako Chemicals USA	2724
ImmunoChemistry Technologies	915
PhosphoSolutions	913
StressMarq Biosciences	1228
Targetmol Chemicals Inc	2728
Worthington Biochemical Corporation	1836
Bioinformatics	
Abiosciences, Inc.	205
Active Motif, Inc	706
Battelle	3416
Center for GWAS in Outbred Rats	3229
Charles River	1329
LC Sciences	3024
Neuroscience Information Framework (NIF)	3314
Parse Biosciences	106
PsychoGenics Inc	2020
Sengenics	621
University of Nebraska at Omaha, Nonlinear Analysis Core	3332
Zymo Research Corp.	1120
Blood Flow Instrumentation	
Moor Instruments	2525
Scintica	2603
Tokai Hit	2411
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Accdon	3019
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FENS - Federation of European Neuroscience Societies	3106

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Brain Mapping Equipment	
Advanced Brain Monitoring	407
BESA	622
Brain Products and Brain Vision	1121
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CorTec GmbH	2517
CREmedical Corp.	623
Easycap GmbH	602
Gbrain	532
Iconeus	2501
Kinarm	2631
Magstim EGI	423
MAPseq/BARseq Core Facility, Cold Spring Harbor Laboratory	3009
MOLECUBES	2700
neuroConn - neurocare group AG	222
Neuroelectrics	600
Neuropixels	3200
Thomas RECORDING GmbH	1328
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Alpha MED Scientific	1434
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Pinnacle Technology	2828
RapID Lab	415
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Cameras, Digital	
ACTNOVA	2928
Andor, an Oxford Instruments Company	2021
Atik Cameras	104
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Excelitas Technologies	1420
Hamamatsu Corporation	601

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Mightex Systems	2135
MOLECUBES	2700
NeuraLynx, Inc	2531
SciMeasure	735
SR Research Ltd	300
Teledyne	1212
Thorlabs, Inc.	2213
Tobii Pro	2602
Tucsen Photonics Co., Ltd.	405
Cannulation	
DURECT Corp	1520
Hilltop Lab Animals	1213
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Axol Biosciences	617
AxoSim, Inc.	2705
Binaree, Inc.	122
Biohippo Inc	2616
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BrainXell, Inc.	933
Curiosis	516
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Evident	1629
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iXCells Biotechnologies USA, Inc.	2614
MilliporeSigma	1429
Nacalai USA, Inc.	3000
Ncardia	2515
NETRI	517
Neuroservices-Alliance	2031
PeproTech, part of Thermo Fisher Scientific	1818
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RWD Life Science	2929
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ScienCell Research Laboratories	429
Selvita	2800
Stem Pharm	314
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Transnetyx	800
USA Scientific	506
Ushio Inc.	2902
Cell Culture Instruments	
Amuza	3031
Curiosis	516
Electron Microscopy Sciences	2113
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MaxWell Biosystems	2801
Nacalai USA, Inc.	3000
NETRI	517
Scientifica	1533
Tokai Hit	2411
Transnetyx	800
Ushio Inc.	2902
Cell Markers	
AAVnerGene	2513
Antibodies Incorporated	915
Aves Labs	915
Bio X Cell	503
Bio-Techne	719
Cell Signaling Technology	612
Cytoskeleton, Inc.	1322
Enzo Life Sciences	315
HUABIO	705
ImmunoChemistry Technologies	915
iXCells Biotechnologies USA, Inc.	2614
PhosphoSolutions	913
Proteintech Group	2617
StressMarq Biosciences	1228
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Atuka Inc.	2611
AxoSim, Inc.	2705
Battelle	3416
Biognosys	112
BrainXell, Inc.	933
Cellectricon	536
Charles River	1329
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LifeCanvas Technologies Inc.	1316
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FUJIFILM Wako Chemicals USA	2724
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Brain Products and Brain Vision	1121
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CREmedical Corp.	623
Diagnosys LLC	330
Easycap GmbH	602
g.tec medical engineering GmbH	2927
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mBrainTrain	620
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neuroConn - neurocare group AG	222
San Diego Instruments	2035
Tucker-Davis Technologies	2221
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BIOPAC Systems, Inc.	1532
Diagnosys LLC	330
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P3Lab	2512
PhenoSys	535
San Diego Instruments	2035
SR Research Ltd	300
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Feeding/Drinking Systems	
Columbus Instruments	1020
LABmaker GmBH	530
Lafayette Instrument Company	828
Med-Associates Inc.	1035
Noldus Information Technology	1729
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ASI / Applied Scientific Instrumentation Inc.	1812

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Prior Scientific, Inc.	223
Sutter Instrument Corp	1713
Zaber Technologies	804
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AAVnerGene	2513
AdipoGen Life Sciences	207
AQ Life Sciences	3032
Biohippo Inc	2616
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Cytoskeleton, Inc.	1322
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Gene Expression Tools	
AAVnerGene	2513
AD Knowledge Portal	3418
AUM BioTech, LLC	100
Biohippo Inc	2616
Diagenode	501
Enzo Life Sciences	315
EpigenDx Inc	630
Parse Biosciences	106
ScienCell Research Laboratories	429
VectorBuilder Inc.	500
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National Institutes of Health	3300, 3301, 3311
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Noldus Information Technology	1729
Parkinson's Foundation	3124
H	
Heart Rate Monitors	
Neurolux, Inc.	616
X-trodes	2612
Histological Services	
AxoSim, Inc.	2705
Charles River	1329
Envigo	1129
FD NeuroTechnologies, Inc.	2529
LifeCanvas Technologies Inc.	1316
NeuroScience Associates, Inc.	1528
PsychoGenics Inc	2020
HPLC	
Antec Scientific	437
FUJIFILM Wako Chemicals USA	2724
Hamilton Company	613
Nacalai USA, Inc.	3000
I	
Illumination	
AVR Optics	2901
Coherent	1516
CoolLED Ltd	1117
Excelitas Technologies	1420
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Light Conversion USA	416
Lumencor, Inc.	433
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3i - Intelligent Imaging Innovations	1433
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Andor, an Oxford Instruments Company	2021
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Caliber Imaging & Diagnostics, Inc.	2131
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Etaluma, Inc.	113
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Excelitas Technologies	1420
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IVIM Technology	201
Leica Microsystems	1829
MAPseq/BARseq Core Facility, Cold Spring Harbor Laboratory	3009
MBF Bioscience	935
Mightex Systems	2135
MOLECUBES	2700
Moor Instruments	2525
Neurescence Inc.	1834
neuroConn - neurocare group AG	222
Neurogazer USA Inc.	2932
PhenoVista	2827
Ramona	1012
SciMeasure	735
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Caliber Imaging & Diagnostics, Inc.	2131
Carl Zeiss Microscopy, LLC	2228
Cellectricon	536
CrestOptics	1217
DataJoint	2504
Etaluma, Inc.	113
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IVIM Technology	201
LABmaker GmBH	530
Leica Microsystems	1829
LifeCanvas Technologies Inc.	1316
loopbio gmbh	2415
MBF Bioscience	935
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NETRI	517
Neurescence Inc.	1834
neuroConn - neurocare group AG	222
Neuroelectrics	600
Neurogazer USA Inc.	2932
Neurophotometrics - The Fiber Photometry Company	2407
NeuroScience Associates, Inc.	1528
PhenoVista	2827
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Andor, an Oxford Instruments Company	2021
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MOLECUBES	2700
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Imaging Systems	
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Abberior Instruments America	523
Agilent Technologies	1029
Andor, an Oxford Instruments Company	2021
ASI / Applied Scientific Instrumentation Inc.	1812
AVR Optics	2901
Bliq Photonics	2514
Caliber Imaging & Diagnostics, Inc.	2131
Carl Zeiss Microscopy, LLC	2228
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Coherent	1516
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Neurescence Inc.	1834
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Nikon Instruments Inc.	1813
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Tucsen Photonics Co., Ltd.	405
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Advanced Targeting Systems	2425
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Biosensis Pty Ltd	137
Cell Signaling Technology	612
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BrainXell, Inc.	933
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Cover Image, page attributes, & SDCC Signage: This image shows the dendritic trees of two Purkinje cells from wild-type (left, orange) and mutant mice lacking the alpha- and gamma-Protocadherin gene clusters (Pcdhs) (right, blue). Purkinje cells were labelled with fluorophores, and shown as confocal projections with surface rendering and color to illustrate depth. Pcdhs promote dendrite self-avoidance to ensure that Purkinje dendrites are evenly arranged across the arbor, with minimal overlaps between branches. **Courtesy with permission:** Samantha Ing-Esteves, Dimitar Kostadinov, Julie Marocha, Anson D. Sing, Kezia S. Joseph, Mallory A. Laboulaye, Joshua R. Sanes and Julie L. Lefebvre. Image by Julie Marocha. *Journal of Neuroscience* 14 March 2018, 38 (11) 2713-2729; DOI: https://dvoi.org/10.1523/JNEUROSCI.3035-17.2018.

SDCC Signage: This image shows the expression of miR-263b in a stage-16 Drosophila embryo. Sensory neurons are shown in red, nuclei in blue (DAPI), and expression of the miR-263b driver in green. **Courtesy with permission:** Marleen Klann, A. Raouf Issa, Sofia Pinho and Claudio R. Alonso. *Journal of Neuroscience* 6 October 2021, 41 (40) 8297-8308; DOI: https://doi.org/10.1523/JNEUROSCI.0081-21.2021.

SDCC Signage: This image depicts cortical neurons derived from human induced pluripotent stem cells, labeled with antibodies against beta-tubulin III (Green). These cells were used to study the epilepsyassocated L1342P genetic variant of Nav1.2 voltage-gated sodium channels. Nuclei were labeled with DAPI (blue). **Courtesy with permission:** Zhefu Que, Maria I. Olivero-Acosta, Jingliang Zhang, Muriel Eaton, Anke M. Tukker, Xiaoling Chen, Jiaxiang Wu, Junkai Xie, Tiange Xiao, Kyle Wettschurack, Layan Yunis, J. Marshall Shafer, James A. Schaber, Jean-Christophe Rochet, Aaron B. Bowman, Chongli Yuan, Zhuo Huang, Chang-Deng Hu, Darci J. Trader, William C. Skarnes and Yang Yang. *Journal of Neuroscience* 8 December 2021, 41 (49) 10194-10208; DOI: https://doi.org/10.1523/JNEUROSCI.0564-21.2021.

SDCC Signage: This confocal image shows the innervation of dopaminergic neurons in the caudal linear raphe nucleus by the bed nucleus of the stria terminalis (BNST) and the activation pattern of these neurons during fear memory consolidation. Dopaminergic neurons were co-immunostained with c-Fos (yellow) and tyrosine hydroxylase (cyan), while hM3Dq-expressing BNST axons were visualized by anti-RPF immunostaining (red). Activation of GABAergic neurons of BNST during fear conditioning or memory consolidation resulted in an enhanced cue-related fear recall. **Courtesy with permission:** Biborka Bruzsik, Laszlo Biro, Dora Zelena, Eszter Sipos, Huba Szebik, Klara Rebeka Sarosdi, Orsolya Horvath, Imre Farkas, Veronika Csillag, Cintia Klaudia Finszter, Eva Mikics and Mate Toth. *Journal of Neuroscience* 3 March 2021, 41 (9) 1982-1995; DOI: https://doi.org/10.1523/JNEUROSCI.1944-20.2020.

Page 123 & SDCC Signage: This image shows keratinocytes (green), proliferating cells (white), inflammatory cells (red), and cell nuclei (blue) associated with a skin tumor in a one-year-old mouse lacking PTEN, a protein that regulates cell growth and proliferation. Although loss of PTEN is associated with several cancers, it can also promote axon regeneration in the CNS and PNS. **Courtesy with permission:** Sofia Meyer zu Reckendorf, Diana Moser, Anna Blechschmidt, Venkata Neeha Joga, Daniela Sinske, Jutta Hegler, Stefanie Deininger, Alberto Catanese, Sabine Vettorazzi, Gregor Antoniadis, Tobias Boeckers and Bernd Knöll. *Journal of Neuroscience* 23 March 2022, 42 (12) 2474-2491; DOI: https://doi.org/10.1523/JNEUROSCI.1305-21.2022.

Page 27 & SDCC Signage: This image shows a cross-section of the cochlea within the inner ear of a reporter mouse. P2×7 receptor-expressing satellite glial cells and Schwann cells are labelled with GFP (green) and spiral ganglion neurons are immunolabeled for bIII-tubulin (magenta). **Courtesy with permission:** Silvia Prades, Gregory Heard, Jonathan E. Gale, Tobias Engel, Robin Kopp, Annette Nicke, Katie E. Smith and Daniel J. Jagger. *Journal of Neuroscience* 24 March 2021, 41 (12) 2615-2629; DOI: https://doi.org/10.1523/JNEUROSCI.2240-20.2021.

SDCC Signage: This image shows a section from a mouse dorsal root ganglion stained for Interferon Alpha and Beta Receptor Subunit 1 (mRNA; red) along with the sensory neuron markers calcitonin gene-related peptide (mRNA; green), purinergic receptor P2X3 (mRNA; blue) and Neurofilament-200 (protein; cyan). Interferon receptors were robustly expressed in sensory neurons in the dorsal root ganglion and their activation produces pain via an eIF4E-dependent translation mechanism. **Courtesy with permission:** Paulino Barragán-Iglesias, Úrzula Franco-Enzástiga, Vivekanand Jeevakumar, Stephanie Shiers, Andi Wangzhou, Vinicio Granados-Soto, Zachary T. Campbell, Gregory Dussor and Theodore J. Price. *Journal of Neuroscience* 29 April 2020, 40 (18) 3517-3532; DOI: https://doi.org/10.1523/JNEUROSCI.3055-19.2020.

Page 37 & SDCC Signage: This image shows the axonal projections of R7 photoreceptors in the Drosophila medulla (axons in blue, axonal terminals in green). The stereotypy of these axonal projections makes them a useful model system for acquiring quantitative data on sporadic and progressive axonal degeneration of photoreceptor cells. **Courtesy with permission:** Mélisande Richard, Karolína Doubková, Yohei Nitta, Hiroki Kawai, Atsushi Sugie and Gaia Tavosanis. *Journal of Neuroscience* 15 June 2022, 42 (24) 4937-4952; DOI: https://doi.org/10.1523/JNEUROSCI.2115-21.2022.

SDCC Signage: Three-dimensional deconvolved fluorescence image of cultured hippocampal neurons in which cellular components involved in synaptic activity, activity-dependent transcription, and synaptic plasticity are labeled. The presynaptic protein synapsin I (green) and the dendritic microtubule-associated protein MAP2 (blue) are labeled with antibodies, ribosomes (red) are labeled with NeuroTrace Nissl stain, and nuclear DNA (yellow) is labeled with Hoechst dye. Synaptic activity regulates gene transcription via activity-sensitive transcription factors, including CaRF (calcium-response factor). **Courtesy with permission:** Ronan Chereau, Kelli A. McDowell, Ashley N. Hutchinson, Sarah J.E. Wong-Goodrich, Matthew M. Presby, Dan Su, Ramona M. Rodriguiz, Krystal C. Law, Christina L. Williams, William C. Wetsel and Anne E. West. *Journal of Neuroscience* 2 June 2010, 30 (22) 7453-7465; DOI: https://doi.org/10.1523/JNEUROSCI.3997-09.2010.

SDCC Signage: This image shows ventral striatal neurons from a rodent brain. The cell bodies are stained in blue using a fluorescent NISSL stain (NeuroTrace). A light sensitive virus for optogenetics was transducted into neurons shown in yellow. Neurons in this area are involved in scaling fear to the degree of threat and in rapid discrimination of uncertain threat and safety. **Courtesy with permission:** Madelyn H. Ray, Alyssa N. Russ, Rachel A. Walker and Michael A. McDannald. *Journal of Neuroscience* 10 June 2020, 40 (24) 4750-4760; DOI: https://doi.org/10.1523/JNEUROSCI.0299-20.2020.

Page 119 & SDCC Signage: This confocal image depicts the morphological details of cerebellar molecular layer interneurons (MLIs). Single MLIs are lighted up in orange using Cre-dependent fluorescent markers. MLI nuclei are labelled in cyan using nuclei-targeted GFP. Cerebellar Purkinje neuron somas are labelled by NeuroTrace and shown in green. **Courtesy with permission:** Candace H. Carriere, Wendy Xueyi Wang, Anson D. Sing, Adam Fekete, Brian E. Jones, Yohan Yee, Jacob Ellegood, Harinad Maganti, Lola Awofala, Julie Marocha, Amar Aziz, Lu-Yang Wang, Jason P. Lerch and Julie L. Lefebvre. *Journal of Neuroscience* 4 November 2020, 40 (45) 8652-8668; DOI: https://doi.org/10.1523/JNEUROSCI.1636-20.2020.

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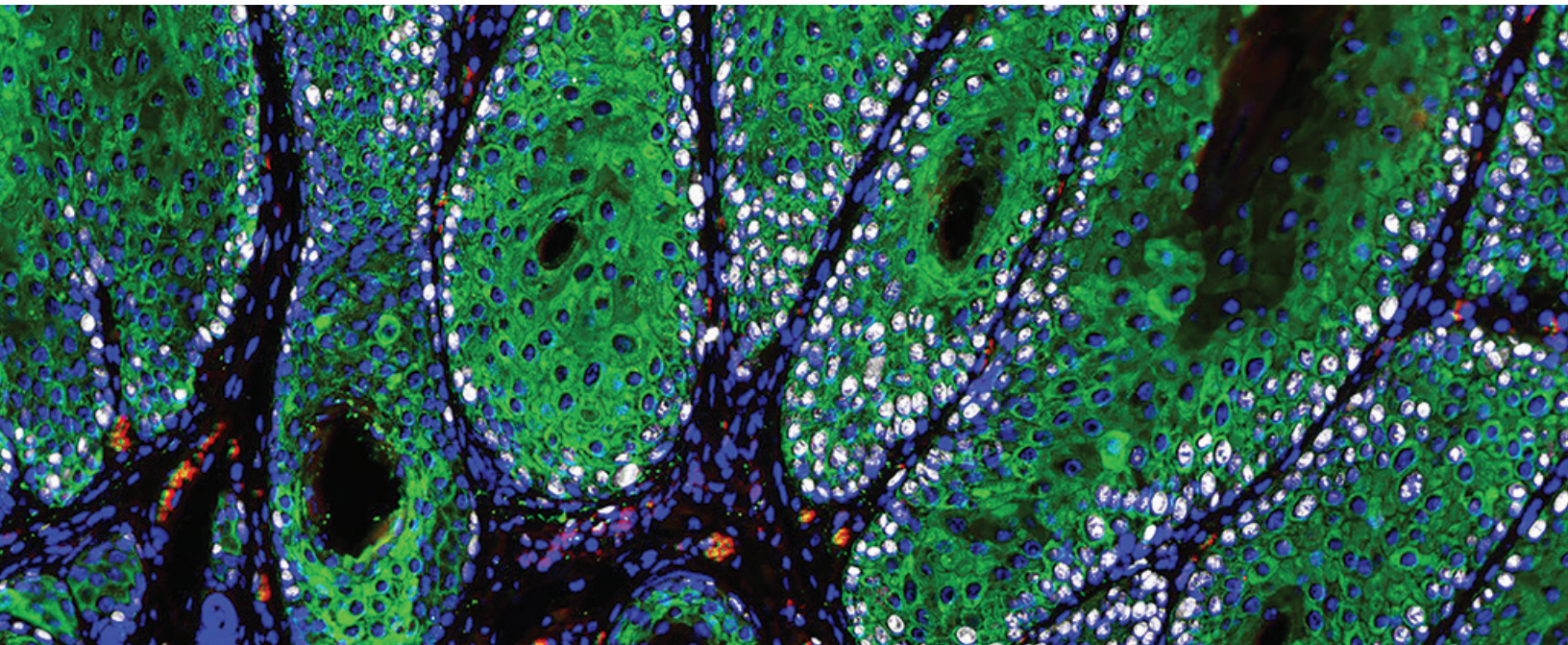

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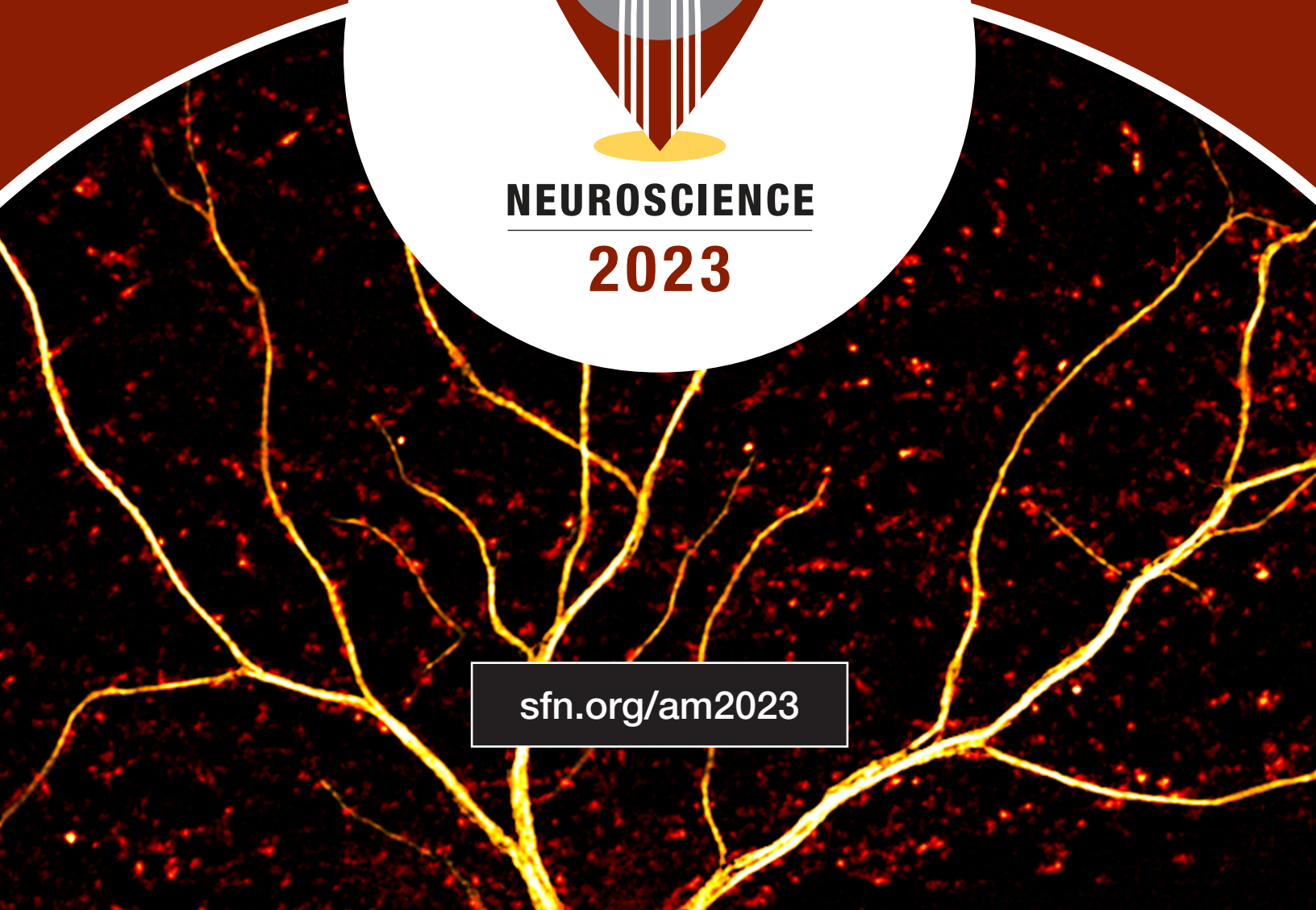

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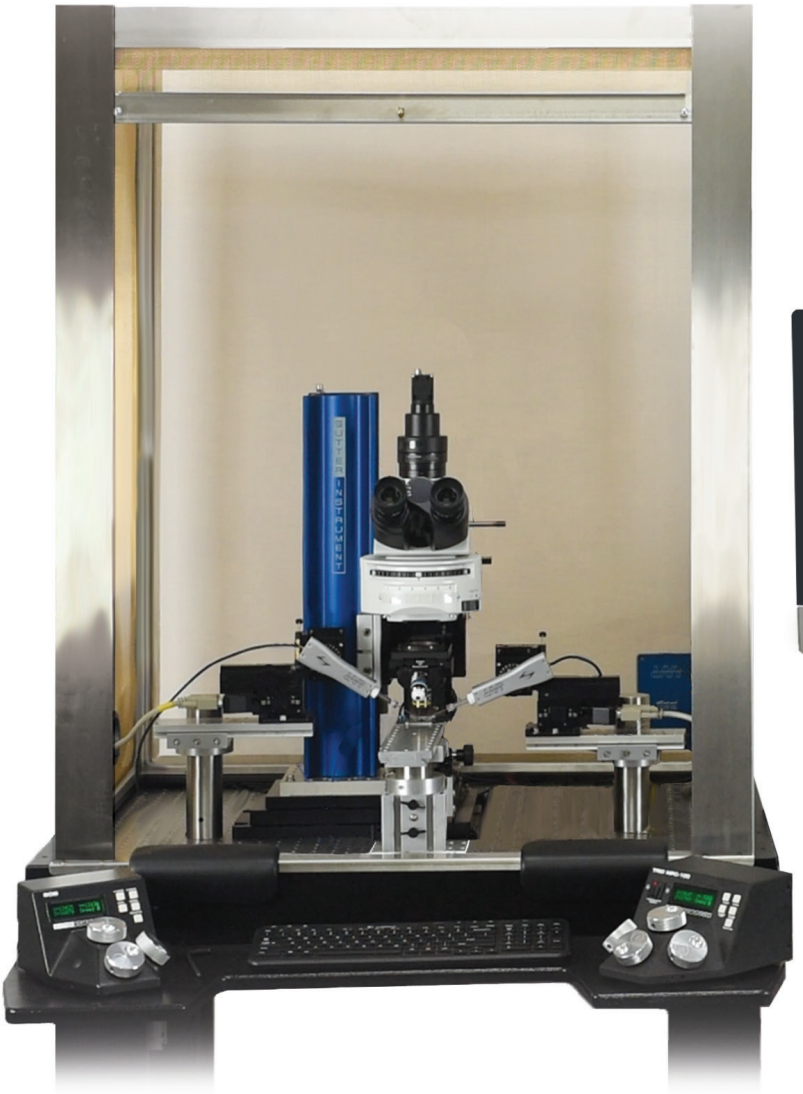

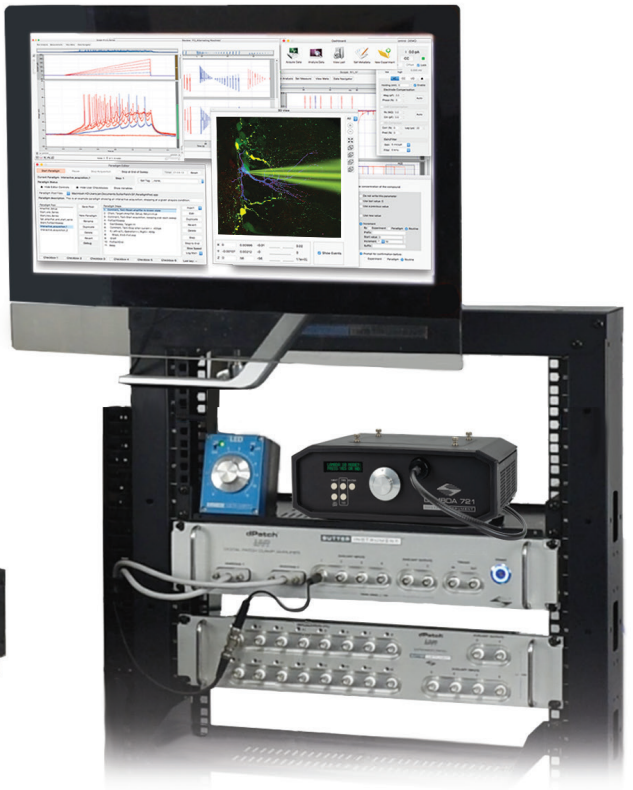

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