The entire program will be at Eucalyptus Point at UCSD, unless otherwise noted. Nearby parking will be available.

Saturday July 28
6:00 PM  Opening Reception at UCSD Mandeville Suite on the 11th floor of Tioga Hall

Sunday July 29
8:00 AM  Breakfast
8:55 AM  Welcome – Scott Makeig (UCSD)

Olfaction, Taste, Audition and Timing – Larry Abbott (Chair)

9:00 AM  Jin Wang (UCSD)
“Visualizing the olfactory circuit in Drosophila.”
9:45 AM  Glenn Turner (CShL)
“Sparse olfactory representations by Drosophila mushroom body Kenyon cells”
10:00 AM  Adi Rangan (NYU)
“Olfactory coding & recognition”
10:15 AM  Gidon Felsen (CShL)
“A neural circuit for decision-making in rats.”
10:30 AM  Coffee break
11:00 AM  Paul Miller (Brandeis)
“Stochastic transitions between discrete attractor states in a model taste-processing network”
11:15 AM  Alfredo Fontanini (Brandeis)
“Dynamic causal relationships between different cortical areas during taste perception”
11:30 AM  Donald Katz (Brandeis)
“Sequences of coherent cortical states and the processing of sensory information”
11:45 AM  Tatyana Sharpee (Salk)
“Two dimensional encoding in the songbird auditory forebrain and its possible function”
12:00 PM  Tony Zador (CShL)
“Auditory Cortex: From Synapses to Behavior”
12:15 PM  Ruadhan O’Flanagan (Salk)
“Judgment”
12:30 PM Lunch on site

**Decision Making and Motor Systems – Eve Marder (Chair)**

2:00 PM Cori Bargmann (Rockefeller)
“Dissecting a circuit for probabilistic behavior in C. elegans.”

2:45 PM Greg Stephens (Princeton)
“Dynamics and dimensionality in the behavior of C elegans”

3:00 AM Gasper Tkacik (Princeton)
“Information flow and optimization in transcriptional control”

3:15 PM Alex Koulakov (CSHL)
“Lognormal distribution in cortical networks: A tale of two tails.”

3:30 PM **Coffee break**

4:00 PM Bijan Pesaran (NYU)
“Relative position codes in the dorsal premotor cortex”

4:15 PM Daeyeol Lee (Yale):
“Prefrontal cortex and economic decision making”

4:30 PM Philip Eckhoff (Princeton)
“Diffusion processes with variable drift rates as models for decision making during learning”

4:45 PM Mark Laubach (Yale)
“Medial prefrontal cortex and the temporal control of action”

5:00 PM Chung-Chuan Lo (Yale)
“A spiking neural network model of inhibitory control for countermanding task”

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**Monday July 30**

8:00 AM **Breakfast**

**Neural Circuits and Optimization - William Bialek (Chair)**

9:00 AM Adrienne Fairhall (University of Washington)
“Single neuron computation”

9:45 AM Andrea Hasenstaub (Salk)
“Fast spiking inhibitory neurons”

10:00 AM David McCormick (Yale)
“Implications of combined analogue/digital signaling in local cortical networks”

10:15 AM Yi Sun (NYU)
“Numerical analysis of network dynamics of HH neurons”

10:30 AM **Coffee break**

11:00 AM Joe Snider (Salk)
“Self-similarity of arbors”

11:15 AM Yuriy Mishchenko (CSHL)
“Automated large scale reconstruction of neural circuits using electron microscopy”

11:30 AM Santiago Jaramillo (CSHL)
“Selective coding in neural systems”

11:45 AM Steve Lisberger (UCSF)
“Noise reduction and addition in sensory-motor processing”
12:00 PM Jayant Kulkarni (Columbia)
“Common-noise models for multiple neural spike-train data”
12:15 PM Larry Abbott (Columbia)
“Something about neural network dynamics...”
12:30 PM Lunch on site

**Vision – Christof Koch (Chair)**

2:00 PM John Reynolds (Salk)
“Mapping the microcircuitry of attention: attentional modulation varies across cell classes in visual area V4”
2:45 PM Josh Milstein (Caltech)
“Dynamic moment analysis of the extracellular electric field of a biologically realistic spiking neuron”
3:00 PM Ping Wang (Salk)
“Synchronous thalamic inputs drive cortical neurons reliably when excitatory and inhibitory inputs are balanced”
3:15 PM Samuel Burns (NYU)
“A Time-Frequency Analysis of Phase Coherence in the Gamma Band of the Local Field Potential in V1”
3:30 PM Coffee break
4:00 PM Gergő Orbán (Brandeis)
“The link between neural activity in V1 and optimal probabilistic inference”
4:15 PM József Fiser (Brandeis)
“Do we develop visual representations based on pair-wise statistics of the visual scene?”
4:30 PM Arnulf Graf (NYU)
“Decoding population responses of visual neurons in macaque cortex”
4:45 PM John Rinzel (NYU)
“Competitive network models of binocular rivalry”
5:00 PM Marina Brozovic (Caltech)
“Gain mechanisms for contextually guided visuomotor transformations”
5:15 PM **Group Barbeque, Powerhouse Park in Del Mar**
There will be a shuttle service to Powerhouse Park. Shuttle stop location TBD.

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**Tuesday July 31**

8:00 AM Breakfast

**Plasticity, Learning and Memory – Michael Stryker (Chair)**

9:00 AM Misha Tsodyks (Weizmann Institute)
“Ongoing dynamics of memory representations of morphed patterns”
9:45 AM Surya Ganguli (UCSF)
10:00 AM Samat Moldakarimov (Salk)
“A spiking network model implementing representational sharpening exhibits perceptual priming”
10:15 AM Matthias Kaschube (Princeton)
“Self-organization in the development of neural circuitry”
10:30 AM Coffee break
11:00 AM Vladimir Itskov (Columbia)
“From Spikes to Space: Building up space from hippocampal spikes alone”
11:15 AM Sen Cheng (UCSF)
“Dynamics of spatial memory formation in the hippocampus”
11:30 AM Yuri Debaghian (UCSF)
“Topological organization of information encoding in hippocampus”
11:45 AM Evren Tumer (UCSF)
“Adaptive plasticity in the adult bird song system”
12:00 AM Daniel Ben Dayan Rubin (Columbia)
“Retrieving noise-based memories by reading heterogeneous neurons”
12:30 PM Lunch on site
Director's Lunch – location TBA

Attention and Brain Imaging - Xiao-Jing Wang (Chair)

2:00 PM Jonathan Victor (Cornell Medical Center, NYC)
“Information-theoretic analysis of sensory coding: Why it is challenging, and ways to make progress”
2:45 PM James Mazer (Yale):
"Attentional modulation of feature selectivity in area V4"
3:00 PM Angela Yu (Princeton)
“A Bayesian framework for dynamic attention selection”
3:15 PM Stefano Fusi (Columbia)
“The importance of neural diversity in complex cognitive tasks”
3:30 PM Coffee break
4:00 PM Chess Stetson (Caltech)
“Cumulative conditional probability encoded by neural blood flow”
4:15 PM Rey Ramirez (UCSD)
“Neuroelectromagnetic source imaging of cortical traveling waves using frequency-domain independent vector analysis (IVA) and geodesic sparse Bayesian learning (gSBL)”
4:30 PM Jason Palmer (UCSD)
“Advanced signal models for EEG/MEG analysis: Piecewise stationarity and dependent subspaces”
4:45 PM Julie Onton (UCSD)
“Exploring spectral instability in EEG data”
5:00 PM Terry Sejnowski (Salk/UCSD)
Closing Remarks
Conference Details

Location

The 2007 Annual Summer Meeting will be held on the campus of UC San Diego
University of California San Diego
9500 Gilman Drive
La Jolla, CA 92093

The entire program will be held at UCSD’s Eucalyptus Point unless otherwise noted. Eucalyptus Point is located on the west side of campus in Thurgood Marshall College.

Directions to Eucalyptus Point

To Eucalyptus Point from apartments: Directional signage will be provided.

Shuttle from Sheraton: There will be a shuttle provided.

Driving Directions from Sheraton Hotel to UCSD Campus:

Head out on Holiday Ct. toward Villa La Jolla Dr.
Turn right at Villa La Jolla Dr.
Turn left at La Jolla Village Dr.
Turn right at Muir College Dr.
Turn right at Parking Lot P207

Travel

By air:
San Diego is serviced by San Diego International Airport (SAN), also known as Lindbergh Field.

Directions to UCSD: UCSD can be a difficult campus to navigate for those who are unfamiliar. If you plan on driving, taking a shuttle or taxi, please use these explicit directions and maps. There will be signage on campus to supplement the directions provided.

Driving to UCSD from San Diego International Airport (14.1 miles, about 23 minutes):

Head west toward N Harbor Dr.
Turn right at N Harbor Dr.
Turn right at Laning Rd.
Turn right at Rosecrans St.
Slight left to stay on Rosecrans St.
Continue on Camino Del Rio W
Take the ramp onto I-5 N
Take exit 28B for La Jolla Village Dr.
Turn left at La Jolla Village Dr.
Turn right at Muir College Dr.
Turn right into parking lot P207
**Driving to Sheraton La Jolla from San Diego International Airport** (12.3 miles, about 19 minutes):

Head west toward N Harbor Dr.
Turn right at N Harbor Dr.
Turn right at Laning Rd.
Turn right at Rosecrans St.
Slight left to stay on Rosecrans St.
Continue on Camino Del Rio W
Take the ramp onto I-5 N
Take exit 28B for La Jolla Village Dr.
Head north on Exit 28B toward La Jolla Village Dr.
Turn left at La Jolla Village Dr.
Turn left at Villa La Jolla Dr.
Turn left at Holiday Ct.

Shuttles to and from the airport are complimentary for the attendees staying at the Sheraton. They run between 6am and 10pm. You will need to call the Sheraton and let them know your arrival time (858) 453-5500. You can schedule your shuttle back to the airport at the front desk.

The taxi fare from the airport to UCSD will be around $40.00.

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**Accommodation & Checking In**

The on campus housing, the Marshall lower apartments is located in Thurgood Marshall College, adjacent to the meeting facility, Eucalyptus Point.

**Check-in:**

The directions provided will take you to a location close to the check-in desk (parking lot P207), not the actual apartments. There will be signage to direct you from the check-in desk to the apartments. The check-in desk in located at Tioga Hall, room E-1.

Check-in is from noon to 5:00 pm on Saturday, July 28 at the Muir Conference Desk map. At check-in you will receive a conference packet of printed materials and information for the meeting, as well as your key and ID card. There will be a waiver included that must be signed and turned in on Sunday, July 29.

**Check-out:**

On the morning of your check-out time, place your key on the coffee table, otherwise you will be charged a $60 lost-key fee.

Check-out time is before 11:00 am at the Muir Conference Desk on July 31. It is recommended to check out before the Tuesday program begins, as the Muir Conference Desk is about a 7-minute walk from Eucalyptus Point.

If you are checking out on August 1, you must check out by 8:00 am.

**Sheraton:**
The invited speakers will be staying at the Sheraton La Jolla, across from the south side of campus.

Invited Speakers can check in at the Sheraton at any time, and upon checking in will receive a conference packet of materials and information for the meeting, including instructions and directions on how to get to UCSD for the opening reception and the meeting.

**Parking**

There will be reserved parking for Sloan-Swartz Annual Summer Meeting attendees located in the parking lot P207 west of Eucalyptus Point for the entirety of the meeting.

There will be a shuttle in the morning to UCSD from the hotel, as well as one back to the Sheraton in the evening. The shuttle stop location is directly east of the parking lot and it will run from the Sheraton to UCSD from 7:30 to 8:30 am and from 5:15 to 6:15 pm.

**Internet**

Wireless Internet will be available on the UCSD campus. A username and password for access will be provided in your conference packet.

**Dining**

Breakfast and lunch are provided at the meeting, and will be served at Eucalyptus Point. Dinner will be provided on Monday, July 30. There will be hors d’oeuvres at the opening reception on Saturday, July 28, as well. There is no dinner provided on Sunday, July 29 or Tuesday, July 31.

There is dinner provided for the attendees staying in the on campus apartments on July 29 and July 31, as well as breakfast on 8/1. Dinner is from 5:30 - 6:30 pm and breakfast is from 7:30 - 8:30 am. The meals are served at Sierra Summit in John Muir College.

A list of local restaurants is included in your Welcome packet.

**Shuttles**

There will be a shuttle on July 28 for the opening reception running from the Sheraton to UCSD from 5:30 to 6:30 pm and back to the Sheraton at 9:15 pm.

There will be shuttles to and from the Sheraton for those staying there. The Sheraton shuttle will pick up outside the lobby every morning at 7:30 am and run continuously until 8:30 am.

The shuttle from UCSD to the Sheraton will pick up at the shuttle stop every day at 5:15 and run continuously until 6:15 pm except on Monday, July 30.

There will be shuttles for the dinner beach bbq on Monday, July 29 in Del Mar. The shuttles will pick attendees up on campus after the daily program ends and transport them to Powerhouse Park.
Pick up the shuttle at stop #4 located on the [UCSD Shuttle Stop Map](#).

## Opening Reception

The conference begins with a reception in the Mandeville Suite in Tioga Hall, John Muir College. The reception begins at 6pm and will have hors d’oeuvres and fantastic views of the sunset and the pacific from the eleventh floor suite and patio. There will be signage to the event from the on campus housing, the parking lot and the shuttle stop (where those staying at the Sheraton will be dropped off). Once you get to Tioga Hall, go inside the front doors and take the elevators in the lobby to the eleventh floor. Exit the elevators and turn left. The Mandeville Suite is on the left end of the corridor (south side of the building).

## Beach BBQ

On Monday, July 30, there will be a group outing to Del Mar for a beach BBQ from 6:00 to 8:30 pm. The “California Cuisine” menu includes grilled chicken breast, grilled Hawaiian mahi-mahi, smoked tri-tips of beef and veggie kabobs. There will be entertainment, as well as lawn games.

There will be shuttles to and from the event. The shuttles will pick attendees up on campus after the daily program ends and transport them to Powerhouse Park.
Using The UCSD Wireless Network

Before You Start

1. You must know your network username and password. This information is printed on the back of your name tag.

2. Configure your Windows/Macintosh computer or PDA to use the UCSD wireless network.

Logging On To The UCSD Wireless Network

1. From an on-campus location with wireless coverage, launch your Web browser and try connecting to a Web site.
2. Before your browser connects to the non-UCSD site, it will redirect to the UCSD Wireless page. If your browser does not redirect automatically, type http://login.ucsd.edu into the address bar. Depending on your browser's security features, you may be required to answer some questions. Please answer yes to them.
3. Enter your username and password as directed.
4. Press the Logon User button.
5. Your browser will log on to the UCSD wireless network and connect to the non-UCSD Web site you entered in step 1.
6. If UCSD affiliates with permanent network usernames and passwords use the network at least once every 30 days, their wireless authorization will last one year. Users with UCSD guest access must reauthorize more frequently.

Configuring Your Personal Digital Assistant (PDA) To Use The UCSD Wireless Network

Use the following information to configure your PDA. If you need additional help, visit ACS/Network Operations (AP&M Building, room 1313, Monday - Friday 8 AM - 4:30 PM).

- Network name/SSID: UCSD
- Mode: Infrastructure
- Encryption: disabled

Questions

If you have any further questions or encounter problems while attempting to connect to the UCSD network, send an e-mail message to acs-help@ucsd.edu or call (858) 534-3227.
Local Restaurants

Chipotle Mexican Grill –
8657 Villa La Jolla Dr, La Jolla, CA (858) 554-1866 -

Islands Restaurant
3351 Nobel Dr, La Jolla, CA (858) 455-9945 -

California Pizza Kitchen –
3363 Nobel Dr, La Jolla, CA (858) 457-4222 -

Elijah's Restaurant Delicatessen Bakery Catering –
8861 Villa La Jolla Dr, La Jolla, CA (858) 455-1461 -

TGI Friday's –
8801 Villa La Jolla Dr, La Jolla, CA (858) 455-0880 -

Humphrey's La Jolla Grill
3299 Holiday Ct, La Jolla, CA (858) 452-4000

El Torito Mexican Grill –
8910 Villa La Jolla Dr, La Jolla, CA (858) 453-4115

Daphne's Greek Cafe –
8657 Villa La Jolla Dr # 105, La Jolla, CA (858) 623-6940 -

Flame Broiler –
8867 Villa La Jolla Dr, La Jolla, CA (858) 587-8989 -

Yummy Maki Yummy Box –
3211 Holiday Ct # 101A, La Jolla, CA (858) 587-9848 -

Hyatt Regency La Jolla at Aventine
3777 La Jolla Village Drive, San Diego, California

Georges At The Cove
1250 Prospect Street La Jolla, CA 92037 (858) 454-

Royal Thai Cuisine
737 Pearl Street La Jolla, CA 92037 (858) 551-THAI

Crab Catcher Restaurant and Seaside Grille
1298 Prospect St. La Jolla, California 92037 (858)

Sante Ristorante
7811 Herschel Avenue La Jolla, California 92037 Ph

The Marine Room
2000 Spindrift Dr La Jolla, CA 92037 (858) 459-722

Café Japengo
8960 University Center Lane San Diego, CA 92122 (8

Delirio’s California Cuisine
5721 La Jolla Blvd. (858) 456-5821 (closed Mondays)

Rock Bottom Restaurant and Brewery
8980 Villa La Jolla Dr La Jolla, CA 92037

B J’s Chicago Pizzeria
8873 Villa La Jolla Dr. 858-455-0662

Schlotzsky’s Deli
8657 Villa La Jolla Dr # 127 La Jolla, CA 92037

Piatti Ristorante & Bar
2182 Avenida De La Playa La Jolla, Ca 92037 858-45

Appolonaire (formerly Aesop’s Tables)
8650 Genesee Avenue Suite 106 San Diego, CA 92122

P. F. Chang’s
4540 La Jolla Village Drive San Diego, CA 92122

UCSD PRICE CENTER

Jamba Juice
(858) 622.2020
M-F: 8AM-6PM

Panda Express
(858) 638-0106
M-F: 11AM-7PM, Sat: 11AM-3PM

Round Table Pizza
(858) 457-2060
M-F: 11AM-4PM

Rubio’s Fresh Mexican Grill

(858) 784-0519
M-F: 9AM-7PM, Sat: 10AM-5PM

Shogun
(858) 453.0220
M-F: 11AM-6PM, Sat: 11:30AM-6PM

Subway
(858) 458-0070
M-F: 8AM-8PM, Sat: 8AM-6PM

Tacone
(858) 558.4606
M-F: 10:30AM-5:30PM, Sat: 11AM-3PM

Espresso Roma Café
(858) 450-2141
M-F: 7AM-5PM

Sunshine Store
(858) 534-4248
M-F: 8AM-8PM, Sat: 8AM-6PM

WESTFIELD UTC SHOPPING MALL
http://westfield.com/utc/dining/

Boudin’s Sourdough Bakery & Café
(858) 453-1849

Burger King (Food Court)
(858) 453-8058

Cinnabon (Food Court)
(858) 457-4343

Cozymel’s Coastal Mexican Grill
(858) 658-0480

Great Gyros (Food Court)
(858) 452-7940
Hot Dog On A Stick
(Food Court)
(800) 321-8400

Le Petit Bistro (Food Court)
(858) 404-0831

Miami Grille (Restaurant)
(858) 552-0668

Peking Palace (Restaurant)
(858) 452-7500

Red Robin Gourmet Burgers
(Restaurant)
(858) 450-0343

Royal India Express
(Food Court)
(858) 453-5300

Sbarro’s Italian Pizza Eatery
(Food Court)
(858) 455-1878

Steak Escape (Food Court)
(858) 638-8172

Tacone Wraps (Food Court)
(858) 450-1604

Teriyaki House
(Food Court)
(858 453-8222
To all conference speakers:

The Swartz Foundation would like to thank you for participating in this meeting.

We would also like to invite you to share your presentation with our web site audience.

After the meeting, please take a moment to send us your presentations, abstracts, videos, web links or other materials.

Go to this web page:

www.theswartzfoundation.org/uploads

If you have any questions or problems, please contact us at:

info@theswartzfoundation.org
or
516-857-1191