

2015 TDLC Boot Camp Schedule

Note*: *Please bring your own laptop*

<p>WEEK 1 (Aug. 10-16) instruction and lab sessions will take place at Cognitive Science Building (CogSci) Room 003 (Map) <i>Unless otherwise noted in schedule below</i></p> <p>WEEK 2 (Aug. 17-22) Talks at CogSci Building, Room 003 Every day: Breakfast: 8:30-9:00AM Courtyard of CogSci Bldg Lunch:* 12:15-1:15PM Courtyard of CogSci Bldg (exceptions below) <i>*During the lunches, trainees will give a brief presentation of their research interests (schedule TBD)</i></p> <p>**Please Note: Out of Town Participants: Dinner is provided for you daily at Café Ventanas (map), EXCEPTIONS: Saturday 8/22 Dinner & Sunday 8/23 Breakfast will be at Canyon Vista</p> <p>FINAL DAY: Saturday, August 22, 9AM – 12:15PM, in the CogSci Building, Rm 003 12:30-5:30: Rest and Recuperate! 6PM-? Party (with Gary's famous cashew chili) at Gary's house: 6711 Edmonton Ave, San Diego, CA 92122</p>		
WEEK 1		
Date/Location	Morning Session: 9:00AM - 12:15PM	Afternoon/Evening Session: 1:30 - 5:00PM (w/ possible evening tutorial)
Mon, Aug 10 CogSci 003	<p>9:00 – 9:15AM Gary Cottrell, Director, TDLC Welcome!</p> <p><u>Sensorimotor Network (SMN)</u></p> <p>9:15 - 10:15AM: Eddie Mercado (Univ. of Buffalo): <i>Auditory Perceptual Learning & Plasticity</i></p> <p>10:15 - 11:15AM: David Peterson (UCSD): <i>Motor Learning & Dopamine</i></p> <p>11:15 – 11:30AM: – BREAK</p> <p>11:30AM-12:30PM: Virginia de Sa (UCSD): <i>Perception and Psychophysics</i></p> <p>12:30-1:30PM: Lunch & Presentations</p>	<p style="text-align: center;">Lab:</p> <p>1:30 – 2:30PM: Leanne Chukoskie <i>Measuring Eye Movements</i></p> <p>2:30 – 2:45PM: BREAK</p> <p>2:45 – 3:35PM Ginny de Sa and Tom Donoghue (UCSD) <i>EEG in the Wild</i></p> <p>Evening Tutorial (7:00-8:30PM): Ben Cipollini, Vicente Malave, Tomoki Tsuchida (UCSD): <i>Python</i></p>

<p>Tues, Aug 11 CogSci 003</p>	<p><u>Social Interaction Network (SIN)</u></p> <p>9:00-10:00AM: Gwen Littlewort (UCSD): <i>SIN Overview</i></p> <p>10:00-11:00AM: Gedeon Deák (UCSD): <i>Social dimensions of infant cognitive developmenta</i></p> <p>11:00-11:15AM: Break</p> <p>11:15AM-12:15PM: Terry Jernigan (UCSD): <i>The Developing Mind and Brain</i></p> <p>12:15-1:15PM: Lunch & Presentations</p>	<p>Labs:</p> <p>1:30 – 5:00PM: Filippo Rossi (UCSD): <i>A Primer in the Analysis of Facial Expression Time Series)</i></p> <p>Nadir Weibel (UCSD): <i>Lab In A Box (ChronoSense)</i></p> <p>Evening Tutorial (7:00-8:30PM): Nadir Weibel (UCSD): <i>ChronoViz annotation tool</i></p>
<p>Wed, Aug 12 CogSci 003</p>	<p><u>Interacting Memory Systems (IMS)</u></p> <p>9:00-10:00AM: Christine Smith (UCSD): <i>Memory Systems and the Brain</i></p> <p>10:00-11:00AM: Lara Rangel (soon to be UCSD!): <i>There is a time & a place for every dentate gyrus granule cell</i></p> <p>11:15AM-12:15PM: Michael Mozer (Univ. of Colorado, Boulder): <i>Overcoming Temptation: Theory & Practice</i></p> <p>12:15 – 1:15PM: Lunch & Presentations</p> <p>OPTIONAL ACTIVITY: Perseid Meteor Shower Viewing: Cuyamaca Rancho State Park 8:45-9:00PM: Load up Carpool with locals Return: 1:00AM?</p>	<p>Lab:</p> <p>1:30-2:45PM: Kristyn Hensby & Jonathan Taufatofua (Univ. of Queensland): <i>RUBI-Oz: Observation from video & the design of a social robot</i></p> <p>2:45-3:00PM Walk to DART/TDLC Neuroscience Seminar talk at Roth Auditorium, Sanford Consortium</p> <p>3:00-4:00PM Andrea Chiba (UCSD): <i>The Basal Forebrain, Uncertainty, and "Attention"</i></p> <p>4:00-5:00 Reception outside Roth Auditorium</p> <p>Evening Tutorial (7:00-8:30PM): The TDLC Data Grid Reagan Moore (UNC) <i>Introduction to data grids and interactive use of the TDLC datagrid</i></p>
<p>Thurs, Aug 13 CogSci 003</p>	<p><u>Perceptual Expertise Network (PEN)</u></p> <p>9:00 -10:00AM: Jim Tanaka (Univ. of Victoria): <i>Becoming an Expert, One Day at a</i></p>	<p>Lab:</p> <p>1:30-5:00PM: Vicente Malave (UCSD) <i>How to run experiments on Amazon</i></p>

	<p style="text-align: center;"><i>Time</i></p> <p>10:00-11:00AM: Tim Curran (Univ. of Colorado, Boulder): <i>Expertise, Millisecond by Milliseconds</i></p> <p>11:00-11:15AM: Break</p> <p>11:15AM-12:15PM: Gary Cottrell (UCSD): <i>Solving the Visual Expertise Mystery with models</i></p> <p>12:15-1:15PM: Lunch & Presentations</p>	<p><i>Mechanical Turk (mturk); the Vanderbilt Expertise Test (VET)</i></p> <p><u>Evening Tutorial (7:00-8:30PM):</u></p> <p>7:00 – 8:30PM Leanne Chukoskie (UCSD) <i>Passive eye tracking and gaze-contingent games</i></p>
<p>Fri, Aug 14 CogSci 003</p>	<p style="text-align: center;"><u>Modeling Day</u></p> <p>9:00-10:00AM: Gary Cottrell (UCSD): <i>Why Model?</i></p> <p>10:00-11:00AM: Gary Cottrell (UCSD): <i>The space of cognitive models: Connectionist, Bayesian, Math Psychaa</i></p> <p>11:00-11:15AM: Break</p> <p>11:15AM-12:15PM: Gary Cottrell (UCSD): <i>Perceptrons</i></p> <p>12:15-1:15PM: Lunch & Presentations</p>	<p style="text-align: center;">Labs:</p> <p>1:30-5:00PM: Tomoki Tsuchida & Gary Cottrell (UCSD): <i>Interactive tutorial: Gabor filters, PCA, Perceptrons & Backprop: What they are, how to implement them and use them to model face processing</i></p> <p>Evening Tutorial (7:00-8:30):</p> <p style="text-align: center;">NONE</p>
<p>Sat, Aug 15 SDSC Patio MEG Facility CogSci 003</p>	<p>8:15 – 8:50AM: BREAKFAST (SDSC Auditorium Patio - map)</p> <p>9:00AM: Uber cars leave to the Radiology Imaging Lab, Sorrento Valley: 3510 Dunhill Street San Diego, CA 92121</p> <p>9:30AM – 11:30AM: MEG Demo: Tim Brown (UCSD): <i>Introduction to MEG and fMRI</i></p>	<p style="text-align: center;">Lab:</p> <p>1:30-5:00PM: Ben Cipollini, Vicente Malave, Tomoki Tsuchida (UCSD): <i>Neuroimaging Data Analysis using MVPA, RDMS, and ICA, and an introduction to publicly available data sets and how to access them</i></p>

	11:45AM(?): Vanpool back to SDSC 12:15-1:15PM: Boxed Lunch & Presentations	
Sun, Aug 16	DAY OFF Field Trip: <i>San Diego Zoo</i> w/ Deborah Forster & Balboa Park site seeing Uber Pick Up: 9:00AM in front of San Diego SuperComputer Center Bldg Meet Deborah Forster at Front Gate of Zoo she will hand out tickets Return Trip: 4:00PM front of Zoo, return in time for campus dinner at 5:00PM.	
WEEK 2		
Date	Morning Session: 9:00-12:15	Afternoon/Evening Session: 1:30
Mon, Aug 17 CogSci 003	<p style="text-align: center;">- Talks -</p> <p style="text-align: center;">9:00AM – Gary Cottrell</p> <p style="text-align: center;">10:00AM - Ben Cipollini <i>A Developmental Model of Lateralized Visual Processing</i></p> <p style="text-align: center;">(15 min. break)</p> <p style="text-align: center;">11:15AM – Daniel Bub (UVic) <i>Objects and their affordances</i></p> <p style="text-align: center;">12:15-1:15PM: Lunch</p>	Week-Long Project
Tue, Aug 18 CogSci 003	<p style="text-align: center;">- Talks -</p> <p style="text-align: center;">9:00AM – No Talk Scheduled</p> <p style="text-align: center;">10:00AM – Andrea Chiba (UCSD)</p> <p style="text-align: center;">(15 min. break)</p> <p style="text-align: center;">11:15AM – Gedeon Deák <i>The Ontogeny of Socially Guided Attention</i></p> <p style="text-align: center;">12:15-1:15PM: Lunch</p>	Week-Long Project

<p>Wed, Aug 19 CogSci 003</p>	<p align="center">- Talks -</p> <p>9:00AM - <i>No Talk Scheduled! Sleep in!</i></p> <p>10:00AM – Leanne Chukoskie <i>Harnessing the motor system for improved cognition</i></p> <p align="center">(15 min. break)</p> <p>11:15AM – Dave Peterson <i>Learning the wrong policy: pathological action selection</i></p> <p>12:15-1:15PM: Lunch</p>	<p align="center">Week-Long Project</p> <p>3:00-4:00PM: Mike Mozer (University of Colorado, Boulder) <i>Using Machine Learning To Amplify Human Learning</i></p>
<p>Thu, Aug 20 CogSci 003</p>	<p align="center">- Talks -</p> <p>9:00AM - <i>No Talk Scheduled</i></p> <p>10:00AM – Marlene Behrmann <i>Cortical circuits in perception</i></p> <p align="center">(15 min. break)</p> <p>11:15AM – Gary Cottrell <i>RICA 2.0: From retinal ganglion cells to V2</i></p> <p>12:15-1:15AM: Lunch</p>	<p align="center">Week-Long Project</p>
<p>Fri, Aug 21 CogSci 003</p>	<p align="center">-Talks -</p> <p>9:00 – 10:00AM Tom Palmeri <i>An example of model-based cognitive neuroscience</i></p> <p>12:15-1:15PM: Lunch</p>	<p align="center">Week-Long Project</p>
<p>Sat, Aug 22 CogSci 003</p>	<p align="center">Week-Long Project Presentations CogSci 003</p> <p align="center">Breakfast: 8:30 - 9:00</p>	

	<p>Talks: 9:00 am - 12:15 pm</p> <p>Lunch: 12:15 – 1:15</p> <p>6:00 PM: Party At Gary's House!!! Transportation TBD</p>
<p>Sun, Aug 23: Check Out from Residence Halls 7AM – 10AM</p>	