**WHY TIME MATTERS**

When you learn new facts, interact with colleagues and teachers, experiment with new gadgets, or engage in countless other learning activities, timing plays a role in the functioning of your neurons, the communication between and within sensory systems, and the interactions between different regions of your brain. Timing is critical for learning at every level, from learning the precise temporal patterns of speech sounds, to learning appropriate sequences of movements, to optimal training and instructional schedules for learning, to interpreting the streams of social signals that reinforce learning in the classroom.

**RESEARCH OPPORTUNITIES**

We are always seeking talented students and post-doctoral scholars to conduct research in our labs, which are located at top universities in the U.S., Canada, London, and Australia. TDLC is committed to studying the role of time and timing in learning, across multiple scales, brain systems, and social systems. We provide our researchers and students with unique opportunities to collaborate between disciplines, producing innovative lines of inquiry with unprecedented results.

*Undergraduates*: Please check out our Research Experience for Undergraduates Program: [http://www.tdlc-reu.ucsd.edu/research/research-overview.html](http://www.tdlc-reu.ucsd.edu/research/research-overview.html)

**NETWORK OF NETWORKS**

TDLC is organized as a network of networks to focus on four major aspects of learning: Sensori-Motor Learning (SMN), Interactive Memory Systems (IMS), Perceptual Expertise (PEN), and Social Interaction Systems (SIN).
COGNITIVE SCIENCE AND COGNITIVE NEUROSCIENCE

Tim Curran - University of Colorado, Boulder; Network: PEN; Email: tim.curran@colorado.edu
Virginia de Sa - University of California, San Diego; Network: SMN; Email: desa@cogsci.ucsd.edu
Gedeon Deak - University of California, San Diego; Network: SIN; Email: deak@cogsci.ucsd.edu
Jeffrey Elman (Affiliate) - University of California, San Diego; Network: IMS; Email: jelman@ucsd.edu
Isabel Gauthier - Vanderbilt University; Network: PEN; Email: isabel.gauthier@vanderbilt.edu
Terry Jernigan - University of California, San Diego; Network: SIN; Email: tjernigan@ucsd.edu
Howard Poizner - University of California, San Diego; Network: SMN; Email: hpoizner@ucsd.edu
Michael Tarr - Carnegie Mellon University; Network: PEN; Email: michaeltarr@cmu.edu
Angela Yu (Affiliate) - University of California, San Diego; Network: PEN; Email:ajyu@ucsd.edu

COMPUTER SCIENCE AND ENGINEERING

Garrison Cottrell - University of California, San Diego; Network: PEN; Email: gary@ucsd.edu
Michael Mozer - University of Colorado, Boulder; Network: IMS; Email: mozer@cs.colorado.edu
Emanuel Todorov - University of Washington; Network: SMN; Email:  todorov@cs.washington.edu

INFORMATION SCIENCE / INFO TECH AND ELECTRICAL ENGINEERING

Paul Munro - University of Pittsburgh; Network: SMN; Email: paulwmunro@gmail.com
Janet Wiles - The University of Queensland, Australia; Network: IMS; Email: j.wiles@uq.edu.au

NEUROSCIENCE / NEURAL COMPUTATION

Marian Stewart Bartlett - University of California, San Diego; Network: SIN; Email: mbartlett@ucsd.edu
Tony Bell - University of California, Berkeley; Network: SMN; Email: tbell@berkeley.edu
April Benasich - Rutgers University; Network: SMN; Email: benasich@andromeda.rutgers.edu
Gyorgy Buzsaki - New York University; Network: IMS; Email: gyorgy.buzsaki@nyumc.org
Andrea Chiba - University of California, San Diego; Network: IMS; Email: chiba@cogsci.ucsd.edu
Yang Dan - University of California, Berkeley; Network: SMN; Email: ydan@berkeley.edu
Dan Feldman - University of California, Berkeley; Network: SMN; Email: dfeldman@berkeley.edu
Fred Gage - UC San Diego (and The Salk Institute); Network: IMS; Email: gage@salk.edu
Kenneth Harris - Imperial College London; Network: IMS; Email: kenneth.harris@imperial.ac.uk
Gwen Littlewort - University of California, San Diego; Network: SIN; Email: gwen@mplab.ucsd.edu
Scott Makeig (Affiliate) - University of California, San Diego; Network: SIN; Email: smakeig@ucsd.edu
Javier Movellan - University of California, San Diego; Network: SIN; Email: movellan@mplab.ucsd.edu
Mu-Ming Poo - University of California, Berkeley; Network: SMN; Email: mpoo@uclink.berkeley.edu
Terrence Sejnowski - UC San Diego (and The Salk Institute); Network: SMN; Email: terry@salk.edu
David Sheinberg - Brown University; Network: PEN; Email: David_Sheinberg@Brown.edu
Paula Tallal - University of California, San Diego, and Salk Institute; Network: IMS; Email: tallal@salk.edu

PEDIATRICS / PSYCHIATRY

Robert Clark - University of California, San Diego; Network: IMS; Email: reclark@ucsd.edu
Robert Schultz - Children’s Hospital of Philadelphia; Network: PEN; Email: schultzt@chop.edu
Larry Squire - University of California, San Diego; Network: IMS; Email: lsquire@ucsd.edu

PSYCHOLOGY / NEUROPSYCHOLOGY

Marlene Behrmann - Carnegie Mellon University; Network: PEN; Email: behrmann@cmu.edu
Daniel Bub - University of Victoria; Network: PEN; Email: dbub@uvic.ca
Eduardo Mercado - University at Buffalo SUNY; Network: SMN; Email: emiii@buffalo.edu
Randy O’Reilly (Affiliate) - Univ. of Colorado, Boulder; Network: IMS; Email: oreilly@psych.colorado.edu
Thomas Palmeri - Vanderbilt University; Network: PEN; Email: thomas.j.palmeri@vanderbilt.edu
Hal Pashler - University of California, San Diego; Network: IMS; Email: hpashler@ucsd.edu
Judy Reilly - San Diego State University; Network: SIN; Email: reilly1@mail.sdsu.edu
Zewelanji Serpell - Virginia Commonwealth University; Network: SIN; Email: znserpell@vcu.edu
Jim Tanaka - University of Victoria; Network: PEN; Email: jtanaka@uvic.ca

Temporal Dynamics of Learning Center, UC San Diego, Institute for Neural Computation
9500 Gilman Drive, Mail Code 0523, La Jolla, CA 92093-0523; Email: khutsondebelle@ucsd.edu