



## What's New

### John Iversen Explores our Perception of Musical Rhythm (3/1/17)

TDLC Principal Investigator, Dr. John Iversen, is featured in *The Scientist* (3/1/17). The article profiles Dr. Iversen's work on the neural mechanisms of rhythm perception, where he has demonstrated the active role of the brain in shaping how a listener perceives a rhythm. Iversen's other TDLC work examines the impact of music on child brain development, with TDLC researcher Terry Jernigan, and was awarded an NSF Science of Learning grant to explore the next generation of EEG data collection in the classroom (with TDLC researchers Tzyy-Ping Jung and Alex Khalil).



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- [Click here](#) to read more about his research!
- [Click here](#) for his interview on *Voice of La Jolla*!

### Brain Awareness Week (BAW) - March 13-19, 2017

Brain Awareness Week (BAW) is the "global campaign to increase public awareness of the progress and benefits of brain research."

TDLC celebrated Brain Awareness Week on Saturday, March 18, 2017, at the San Diego Supercomputer Center Auditorium at UC San Diego. The event included a screening of the film "[Screenagers: Growing Up in the Digital Age](#)" with discussion afterwards. (Photo credit: filmmaker Delaney Ruston)



## TDLC Research

### What makes facial recognition "almost magical"?

TDLC Investigator Dr. Marlene Behrmann, from Carnegie Mellon University, is co-author of a study in the Proceedings of the National Academy of Sciences that discusses the "age-old mystery" of face recognition. (Pittsburgh Post-Gazette 12/27/16) [More](#) ➤



### March 2017

- [Contact Us](#)
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### Upcoming Events

- [2016-2017 Dart NeuroScience - TDLC Seminar Series](#)
- [Events Calendar](#)

### Educators



TDLC's The Educator Network (TEN)

Check out the latest discussions and forum topics on the TEN website [here!](#)

## IN THE COMMUNITY

### 10 Online Courses With The Most Enrollees

The top course listed is taught by TDLC's Dr. Terrence Sejnowski, with Visiting Scholar Dr. Barbara Oakley. Their Massive Online Open Course (MOOC) for Coursera - "[Learning How to Learn](#)" - has "had a total of 1,192,697 enrollees!" (University Herald, 2/28/17) [More](#) ➤

### Innovation in Brain Imaging

Study collaborators include TDLC's Drs. Marlene Behrmann and Michael Tarr. (PhysOrg, Feb. 16, 2017)



### Finally, a type of face that men recognize better than women (11/16/16, Vanderbilt News)

TDLC investigator Dr. Isabel Gauthier led the study. The team, using Barbie Dolls and Transformers, found that men were better at recognizing Transformer faces while women were better at recognizing Barbie faces. This finding supports the theory that experience plays an important role in facial recognition. (Photo: John Russell/Vanderbilt University). [More](#) ➔ [Additional article](#) (11/21/16) ➔

[More](#)

### 10 Must-Read Brain Science And Psychology Studies Of 2016

(Forbes, 12/29/16)  
This article includes a study co-authored by TDLC's Dr. Terry Sejnowski, that describes how "Your Brain's Capacity is Much Greater than Anyone Realized."

[More](#) ➔

### Nine startups Apple bought in 2016, and what they do

The article features Emotient, which originated as a start-up at UC San Diego by a team that includes former TDLC researchers Drs. Marni Bartlett, Javier Movellan, and Gwen Littlewort. (Business Insider, 12/6/16)

[More](#) ➔

### Women might recognize faces better, but at least men can tell one Transformer from another

TDLC investigator Dr. Isabel Gauthier led the study. (ZME Science, 11/21/16) [More](#) ➔

### Did You Know?

### The brain can't feel pain

"Even though the brain is the headquarters for detecting pain, it can't actually feel pain because there are no pain receptors on your brain! You get headaches when the nociceptors on the dura and pia, which form the barrier between your brain and skull, are activated." (Quoted from [Knowing Neurons](#))

### 'Princess Leia' brainwaves help sleeping brain store memories (Salk; 11/15/16)

Salk researchers discover rotating waves of brain activity that repeat during the night. TLDC Co-Director Dr. Terrence Sejnowski, with fellow Salk scientists including Dr. Lyle Muller, co-authored the study.

[Salk article](#)

[eLIFE article](#)



Terrence Sejnowski and Lyle Muller. Credit: Salk Institute

### Learning to Move and Moving to Learn

TDLC scientists Leanne Chukoskie and Joseph Snider have been awarded an NSF grant to study how physical movement can be used to identify children with learning disabilities. Additional project colleagues include Drs. Jorge José, Terry Sejnowski, and Emo Todorov. The study, titled '*Learning to Move and Moving to Learn*,' will measure movements of the body, face and eyes in middle- and high-school-age children. These methods could represent a powerful new tool in measuring signs of learning disability. (IUB Newsroom, 11/9/16). ➔ [More](#)

[NSF webpage](#)



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