

# Translating Neuroscience Research to Revolutionize Classroom Learning



Dyslexia  
Center

The UCSF Dyslexia  
Center

## CURRENT RESEARCH

### Personalized Strategies for Dyslexia: Differences, Recognition and Treatment

As neuroscience rapidly advances in the 21st century, there is an emerging recognition that the brain is no different than the heart. Its health and therefore its cognitive functions are heavily influenced by physical health and exercise, diet and nutrition, and social engagement. This new paradigm of thinking that a brain's health and performance can be impacted by purposeful behavior and interventions has profound implications for classroom learning of future generations. In fact, it may be the key that unlocks the continuing global crisis in our education system.

Traditionally, UCSF is an institution primarily focused on addressing medical disease and solving health issues with a multidisciplinary team of world class medical researchers. The UCSF Dyslexia Center is applying this same talent and research methodologies to address the 63% failure rate in the US education system (growing to 67% failure by 8th grade).

Dyslexia is something researchers have only recently begun to understand. It's common knowledge that dyslexia represents a difficulty learning to read, but it's much more. Researchers at the UCSF Dyslexia Center have learned that there are many different dyslexia subtypes. Some children just aren't reading. Others are having trouble with phonics. Reading difficulties often go unrecognized, and even when kids are treated, they are often not treated for their specific subtype. Consequences for this continuing struggle can be grave. Children struggle, feel depressed or anxious, and fall behind their peers. What we are learning about dyslexia, leads to research and translation with broader implications for education and personalized learning....

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## AFFILIATION



University Of California, San Francisco

## RESEARCH AREAS

Education, Behavioral & Development, Classroom Techniques, Neuroscience

## FUNDING REQUEST

To continue and expand their efforts, the UCSF Dyslexia Center needs your help to fund their annual operational cost of \$1,300,000. Additional funding will help them speed up their pace in accomplishing their mission, and add additional components such as genetics and follow up.

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