

User publications since July 2020

Brain-Computer Interface (BCI)

Users in India with a NIRScout.

Janani, A., Sasikala, M., Chhabra, H., Shajil, N., & Venkatasubramanian, G. [Investigation of deep convolutional neural network for classification of motor imagery fNIRS signals for BCI applications.](#)

Users in the UK with a NIRScout.

Ortega, P., Zhao, T., & Faisal, A. A. [HYGRIP: Full-Stack Characterization of Neurobehavioral Signals \(fNIRS, EEG, EMG, Force, and Breathing\) During a Bimanual Grip Force Control Task.](#)

Cognitive States

Users in Germany with a NIRSport.

Mehlhose, C., & Risius, A. [Signs of Warning: Do Health Warning Messages on Sweets Affect the Neural Prefrontal Cortex Activity?.](#)

Users in Spain with NIRSport.

Cuesta, U., Niño, J. I., Martínez, L., & Paredes, B. [The neurosciences of health communication: an fNIRS analysis of prefrontal cortex and porn consumption in young women for the development of prevention health programs.](#)

Functional Connectivity

Users in India with a NIRScout.

Arun, K. M., Smitha, K. A., Sylaja, P. N., & Kesavadas, C. [Identifying resting-state functional connectivity changes in the motor cortex using fNIRS during recovery from stroke.](#)

Users in the UK and China with a NIRSport.

Fan, S., Blanco-Davis, E., Zhang, J., Bury, A., Warren, J., Yang, Z., ... & Fairclough, S. [The Role of the Prefrontal Cortex and Functional Connectivity during Maritime Operations: An fNIRS study Learning and Memory.](#)

Users in Germany with a NIRSport.

Stute, K., Hudl, N., Stojan, R., & Voelcker-Rehage, C. [Shedding Light on the Effects of Moderate Acute Exercise on Working Memory Performance in Healthy Older Adults: An fNIRS Study.](#)

Users in Germany with a NIRScout.

Kalbe, F., Bange, S., Lutz, A., & Schwabe, L. [Expectancy Violation Drives Memory Boost for Stressful Events.](#)

Methods

Users in Germany with a NIRSport.

Broscheid, K. C., Hamacher, D., Lamprecht, J., Sailer, M., & Schega, L. [Inter-Session Reliability of Functional Near-Infrared Spectroscopy at the Prefrontal Cortex While Walking in Multiple Sclerosis.](#)

Users in Brazil with a NIRScout.

Wu, S. T., Silva, J. A. I. R., Novi, S. L., de Souza, N. G. S., Forero, E. J., & Mesquita, R. C. [Accurate Image-guided \(Re\)Placement of NIRS Probes.](#)

Users in Australia with a NIRScout.

Zhou, X., Sobczak, G., McKay, C. M., & Litovsky, R. Y. [Comparing fNIRS signal qualities between approaches with and without short channels.](#)

Motor Execution

Users in Germany with a NIRSport.

Carius, D., Seidel-Marzi, O., Kaminski, E., Lisson, N., & Ragert, P. [Characterizing hemodynamic response alterations during basketball dribbling.](#)

Users in China with a NIRScout.

Chen, Y., Wang, Y., Zhao, Q., Wang, Y., Lu, Y., & Zhou, C. [Watching video of discrete maneuvers yields better action memory and greater activation in the middle temporal gyrus in half-pipe snowboarding athletes.](#)

Users in the USA with a NIRScout.

Gao, Y., Cavuoto, L., Dutta, A., Kruger, U., Yan, P., Nemani, A., ... & De, S. [Decreasing the Surgical Errors by Neurostimulation of Primary Motor Cortex and the Associated Brain Activation via Neuroimaging.](#)

Gorniak, S. L., Wagner, V. E., Vaughn, K., Perry, J., Cox, L. G., Hernandez, A. E., & Pollonini, L. [Functional neuroimaging of sensorimotor cortices in postmenopausal women with type II diabetes.](#)

Users in Germany with a Dynot.

Helmich, I., Coenen, J., Henckert, S., Pardalis, E., Schupp, S., & Lausberg, H. [Reduced frontopolar brain activation characterizes concussed athletes with balance deficits.](#)

Users in Canada with a NIRSport.

Peters, S., Lim, S. B., Louie, D. R., Yang, C. L., & Eng, J. J. [Passive, yet not inactive: robotic exoskeleton walking increases cortical activation dependent on task.](#)

Olfaction

Users in Mexico and the USA with a NIRScout.

Casillas-Figueroa, R., Morán, A. L., Meza-Kubo, V., Ramírez-Fernández, C., Acosta-Quiroz, C., Orihuela-Espina, F., & Montero-Hernandez, S. [ReminiScentia: shaping olfactory interaction in a personal space for multisensory stimulation therapy.](#)

Parent-Child Speech and Hyperscanning

Users in Singapore and Italy with a NIRSport.

Azhari, A., Rigo, P., Bornstein, M. H., & Esposito, G. [Where sounds occur matters: Context effects influence processing of salient vocalisations.](#)

Cataldo, I., Neoh, M. J. Y., Chew, W. F., Foo, J. N., Lepri, B., & Esposito, G. [Oxytocin receptor gene and parental bonding modulate prefrontal responses to cries: a NIRS Study.](#)

Durnford, J. R., Balagtas, J. P. M., Azhari, A., Lim, M., Gabrieli, G., Bizzego, A., & Esposito, G. [Presence of parent, gender and emotional valence influences preschoolers' PFC processing of video stimuli.](#)

Users in Germany/Austria/USA with a NIRScout.

Nguyen, T., Schleichauf, H., Kayhan, E., Matthes, D., Vrtička, P., & Hoehl, S. [Neural synchrony in mother-child conversation: Exploring the role of conversation patterns.](#)

Users in France and Italy with a NIRScout.

Cabrera, L., & Gervain, J. [Speech perception at birth: The brain encodes fast and slow temporal information.](#)

