

Resource Summary Report

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NIRSPORT

RRID:SCR_014541

Type: Tool

Proper Citation

NIRSPORT (RRID:SCR_014541)

Resource Information

URL: <http://nirx.net/nirsport/>

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Description: A commercial cap product that records fNIR signals from the participant. NIRSport integrates for concurrent measurements with EEG, fMRI, eye-tracking, cochlear implants, TMS, tDCS, EMG, pulse oximetry, and other modalities for concurrent measurements. Researchers can conduct tandem studies with two separate systems synchronized to operate simultaneously.

Resource Type: software resource

Keywords: commercial, cap, fnir, nirx, wearable system, device

Availability: Commercial product

Resource Name: NIRSPORT

Resource ID: SCR_014541

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260905T132748+0000

Ratings and Alerts

No rating or validation information has been found for NIRSPORT.

No alerts have been found for NIRSPORT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Vorreuther A, et al. (2026) Response Inhibition in Autistic Adults: A Functional Near-Infrared Spectroscopy Study in Virtual Reality. *Brain and behavior*, 16(2), e71249.

Sijben R, et al. (2025) Wavelet Analysis of Dual-fMRI-Hyperscanning Reveals Cooperation and Communication Dependent Effects on Interbrain Neuronal Coherence. *Human brain mapping*, 46(14), e70355.

Rahrig H, et al. (2024) Managing emotions in the age of political polarization: A randomized controlled trial comparing mindfulness to cognitive reappraisal. *Research square*.

Lim M, et al. (2024) Culture, sex and social context influence brain-to-brain synchrony: an fNIRS hyperscanning study. *BMC psychology*, 12(1), 350.

Kaddis JS, et al. (2022) Improving the Prediction of Type 1 Diabetes Across Ancestries. *Diabetes care*, 45(3), e48.

Mazziotti R, et al. (2022) The amplitude of fNIRS hemodynamic response in the visual cortex unmask autistic traits in typically developing children. *Translational psychiatry*, 12(1), 53.

St George RJ, et al. (2021) Functional Near-infrared Spectroscopy Reveals the Compensatory Potential of Pre-frontal Cortical Activity for Standing Balance in Young and Older Adults. *Neuroscience*, 452, 208.

Tang X, et al. (2021) Image-Based Machine Learning Algorithms for Disease Characterization in the Human Type 1 Diabetes Pancreas. *The American journal of pathology*, 191(3), 454.

Petrelli A, et al. (2021) Modulation of Leukocytes of the Innate Arm of the Immune System as a Potential Approach to Prevent the Onset and Progression of Type 1 Diabetes. *Diabetes*, 70(2), 313.

Sharp RC, et al. (2021) The Immunoregulatory Role of the Signal Regulatory Protein Family and CD47 Signaling Pathway in Type 1 Diabetes. *Frontiers in immunology*, 12, 739048.

Hiller H, et al. (2021) Altered cellular localisation and expression, together with unconventional protein trafficking, of prion protein, PrPC, in type 1 diabetes. *Diabetologia*, 64(10), 2279.

Foster TP, et al. (2020) Exocrine Pancreas Dysfunction in Type 1 Diabetes. *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*, 26(12), 1505.

Vrana A, et al. (2016) Different mechanosensory stimulations of the lower back elicit specific changes in hemodynamics and oxygenation in cortical sensorimotor areas-A

fNIRS study. Brain and behavior, 6(12), e00575.