Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 18, 2025

National Institute of Biomedical Imaging and Bioengineering

RRID:SCR_011422
Type: Tool

Proper Citation

National Institute of Biomedical Imaging and Bioengineering (RRID:SCR_011422)

Resource Information

URL: http://www.nibib.nih.gov/

Proper Citation: National Institute of Biomedical Imaging and Bioengineering (RRID:SCR_011422)

Description: National institute to improve health by leading the development and accelerating the application of biomedical technologies. The Institute is committed to integrating the physical and engineering sciences with the life sciences to advance basic research and medical care. This is achieved through: research and development of new biomedical imaging and bioengineering techniques and devices to fundamentally improve the detection, treatment, and prevention of disease; enhancing existing imaging and bioengineering modalities; supporting related research in the physical and mathematical sciences; encouraging research and development in multidisciplinary areas; supporting studies to assess the effectiveness and outcomes of new biologics, materials, processes, devices, and procedures; developing technologies for early disease detection and assessment of health status; and developing advanced imaging and engineering techniques for conducting biomedical research at multiple scales.

Abbreviations: NIBIB

Synonyms: National Institute of Biomedical Imaging and Bioengineering

Resource Type: institution

Funding:

Resource Name: National Institute of Biomedical Imaging and Bioengineering

Resource ID: SCR_011422

Alternate IDs: nlx_inv_1005103, grid.280347.a, Crossref funder ID: 100000070, Wikidata: Q6973612, ISNI: 0000 0004 0533 5934

Alternate URLs: https://ror.org/00372qc85

Record Creation Time: 20220129T080304+0000

Record Last Update: 20250410T070117+0000

Ratings and Alerts

No rating or validation information has been found for National Institute of Biomedical Imaging and Bioengineering.

No alerts have been found for National Institute of Biomedical Imaging and Bioengineering.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 42 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Babapour S, et al. (2025) Changes on noncontrast magnetic resonance imaging following lymphatic surgery for upper extremity secondary lymphedema. Journal of vascular surgery. Venous and lymphatic disorders, 13(1), 101962.

Hamill MM, et al. (2024) Antibiotic overuse, poor antimicrobial stewardship, and low specificity of syndromic case management in a cross section of men with urethral discharge syndrome in Kampala, Uganda. PloS one, 19(3), e0290574.

Carrell T, et al. (2024) Multi-channel magnetic resonance spectroscopy graphical user interface (McMRSGUI). PloS one, 19(2), e0299142.

Zipursky S, et al. (2024) Astrocyte morphogenesis requires self-recognition. Research square.

Rimehaug AE, et al. (2024) Uncovering population contributions to the extracellular potential in the mouse visual system using Laminar Population Analysis. PLoS computational biology, 20(12), e1011830.

Avila B, et al. (2024) Fibration symmetries and cluster synchronization in the Caenorhabditis elegans connectome. PloS one, 19(4), e0297669.

Quintana-Feliciano R, et al. (2024) Burkholderia cenocepacia epigenetic regulator M.BceJIV simultaneously engages two DNA recognition sequences for methylation. Nature communications, 15(1), 7839.

Xu J, et al. (2024) Curating models from BioModels: Developing a workflow for creating OMEX files. PloS one, 19(12), e0314875.

Linden NJ, et al. (2022) Bayesian parameter estimation for dynamical models in systems biology. PLoS computational biology, 18(10), e1010651.

Lee MH, et al. (2022) A feasibility study to test a novel approach to dietary weight loss with a focus on assisting informed decision making in food selection. PloS one, 17(5), e0267876.

Frediani JK, et al. (2022) SARS-CoV-2 reliably detected in frozen saliva samples stored up to one year. PloS one, 17(8), e0272971.

Li B, et al. (2021) Evaluating sources of technical variability in the mechano-node-pore sensing pipeline and their effect on the reproducibility of single-cell mechanical phenotyping. PloS one, 16(10), e0258982.

Xie P, et al. (2021) Tumor response as defined by iRECIST in gastrointestinal malignancies treated with PD-1 and PD-L1 inhibitors and correlation with survival. BMC cancer, 21(1), 1246.

Yang Y, et al. (2021) Theta-gamma coupling emerges from spatially heterogeneous cholinergic neuromodulation. PLoS computational biology, 17(7), e1009235.

Gentry SB, et al. (2021) A real-time assay for cell-penetrating peptide-mediated delivery of molecular cargos. PloS one, 16(9), e0254468.

Xu Q, et al. (2021) AI-based analysis of CT images for rapid triage of COVID-19 patients. NPJ digital medicine, 4(1), 75.

Marcus GM, et al. (2021) Predictors of incident viral symptoms ascertained in the era of COVID-19. PloS one, 16(6), e0253120.

Mahamuni G, et al. (2021) Solid-phase excitation-emission matrix spectroscopy for chemical analysis of combustion aerosols. PloS one, 16(5), e0251664.

Borna A, et al. (2020) Non-Invasive Functional-Brain-Imaging with an OPM-based Magnetoencephalography System. PloS one, 15(1), e0227684.

De Mattia C, et al. (2020) Patient organ and effective dose estimation in CT: comparison of four software applications. European radiology experimental, 4(1), 14.