Resource Summary Report

Generated by NIF on May 19, 2025

TractionsForAll

RRID:SCR_021819
Type: Tool

Proper Citation

TractionsForAll (RRID:SCR_021819)

Resource Information

URL: https://www.mayo.edu/research/labs/tissue-repair-mechanobiology/software

Proper Citation: TractionsForAll (RRID:SCR_021819)

Description: Software tool to calculate 2D tractions exerted by adherent cell on its substrate. Used in field of mechanobiology to study contractile responses of variety of cell types.

Resource Type: software application, software resource, data analysis software, data processing software

Keywords: Traction force analysis, 2D tractions, adherent cell, mechanobiology, cell contractile responses

Funding:

Availability: Free, Freely available

Resource Name: TractionsForAll

Resource ID: SCR_021819

Record Creation Time: 20220129T080357+0000

Record Last Update: 20250517T060452+0000

Ratings and Alerts

No rating or validation information has been found for TractionsForAll.

No alerts have been found for TractionsForAll.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Aravamudhan A, et al. (2024) Non-canonical IKB kinases regulate YAP/TAZ and pathological vascular remodeling behaviors in pulmonary artery smooth muscle cells. Physiological reports, 12(7), e15999.

Southern BD, et al. (2024) A novel mechanoeffector role of fibroblast S100A4 in myofibroblast transdifferentiation and fibrosis. The Journal of biological chemistry, 300(1), 105530.