

Resource Summary Report

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SMIA-CUKIE

RRID:SCR_014795

Type: Tool

Proper Citation

SMIA-CUKIE (RRID:SCR_014795)

Resource Information

URL: <https://github.com/cukie/SMIA>

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Description: Software used to analyze and quantify images stained with multiple fluorophores in vitro or in vivo. It can output both image and value outputs.

Abbreviations: SMIA

Synonyms: Simultaneous Multichannel Immunofluorescence Digital Imaging Analyzer, Simultaneous Multichannel Immunofluorescence Analysis

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

Defining Citation: [DOI:10.5772/21699](https://doi.org/10.5772/21699)

Keywords: immunofluorescence, image analysis software, fluorophore, image output, value output, bulk process, bulk analyze

Availability: Requires Python 2.7

Resource Name: SMIA-CUKIE

Resource ID: SCR_014795

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260812T044256+0000

Ratings and Alerts

No rating or validation information has been found for SMIA-CUKIE.

No alerts have been found for SMIA-CUKIE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Murtha KE, et al. (2022) Oncomodulin (OCM) uniquely regulates calcium signaling in neonatal cochlear outer hair cells. *Cell calcium*, 105, 102613.

Alexander JI, et al. (2021) Palladin isoforms 3 and 4 regulate cancer-associated fibroblast pro-tumor functions in pancreatic ductal adenocarcinoma. *Scientific reports*, 11(1), 3802.

Francescone R, et al. (2021) Netrin G1 Promotes Pancreatic Tumorigenesis through Cancer-Associated Fibroblast-Driven Nutritional Support and Immunosuppression. *Cancer discovery*, 11(2), 446.

Gabitova-Cornell L, et al. (2020) Cholesterol Pathway Inhibition Induces TGF- β Signaling to Promote Basal Differentiation in Pancreatic Cancer. *Cancer cell*, 38(4), 567.

Ceriani F, et al. (2019) Coordinated calcium signalling in cochlear sensory and non-sensory cells refines afferent innervation of outer hair cells. *The EMBO journal*, 38(9).

Malik R, et al. (2019) Rigidity controls human desmoplastic matrix anisotropy to enable pancreatic cancer cell spread via extracellular signal-regulated kinase 2. *Matrix biology : journal of the International Society for Matrix Biology*, 81, 50.

Franco-Barraza J, et al. (2017) Matrix-regulated integrin α 5 maintains β 1-dependent desmoplastic traits prognostic of neoplastic recurrence. *eLife*, 6.