Resource Summary Report

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RESBIO

RRID:SCR_001424
Type: Tool

Proper Citation

RESBIO (RRID:SCR_001424)

Resource Information

URL: http://www.njbiomaterials.org/web/index.php?p=resbio

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Description: Biomedical technology research center that works to develop integrated tools and technologies that advance the discovery of polymeric biomaterials for regenerative medicine, the delivery of biological agents, and the next generation of medical implants. To achieve its mission, RESBIO's research is focused on the development of combinatorial and computational approaches to biomaterials design and optimization. Within this framework, RESBIO employs and uses: * Advanced multi-photon confocal laser microscopy to explore, understand, and control the response of cells in contact with artificial surfaces * Electron microscopy techniques to study the effect of nano-scale surface morphological features on cell behavior RESBIO research emphasizes the integration of a strong synthetic effort to create new biomaterial candidates with the development of rapid screening techniques for key material and biological properties relevant to the performance of a biomaterial in a given medical application.

Abbreviations: RESBIO

Synonyms: Polymeric Biomaterials Resource, Integrated Technologies for Polymeric Biomaterials

Resource Type: biomedical technology research center, training resource

Keywords: polymeric biomaterial, regenerative medicine, biological agent, medical implant, biomaterial, design, optimization, delivery, confocal laser microscopy, electron microscopy, cell

Funding: NIBIB 4P41EB001046-14

Resource Name: RESBIO

Resource ID: SCR_001424

Alternate IDs: nlx_152646

Record Creation Time: 20220129T080207+0000

Record Last Update: 20250412T054622+0000

Ratings and Alerts

No rating or validation information has been found for RESBIO.

No alerts have been found for RESBIO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Kramer PA, et al. (2014) A review of the mitochondrial and glycolytic metabolism in human platelets and leukocytes: implications for their use as bioenergetic biomarkers. Redox biology, 2, 206.