Это версия страницы https://doaj.org/article/90a27fdcbf90483d92319437cc8d9b2e из кеша Google. Она представляет собой снимок страницы по состоянию на 6 янв 2017 01:18:31 GMT.
Текущая страница за прошедшее время могла измениться. Подробнее

Полная версия Текстовая версия Просмотреть исходный код

Совет. Чтобы искать на странице, нажмите **Ctrl+F** или ⌘**-F** (для MacOS) и введите запрос в поле поиска.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

SUPPORT DOAJ

Home Search Browse Subjects

Topological laser speckle analyzer of differentiation and proliferation activity during morphogenesis in cell cultures

Морфологія. 2011;5(4)10-19

Journal Homepage

Journal Title: Морфологія

ISSN: 1997-9665 (Print)

Publisher: Dnipropetrovsk Medical Academy of Ministry of Health of Ukraine, Ukrainian scientific Society of Anatomists, Histologists, Embryologists

LCC Subject Category: Science: Human anatomy

Country of publisher: Ukraine

AUTHORS

Notchenko A.V.
Gradov O.V.

EDITORIAL INFORMATION

Abstract | **Full Text**

An automated system for morpho-topological determination of cell division phases and structur al differentiation of tissues during morphogenesis was implemented on the basis of topological properties of cell cultures, considered within the framework of set and manifold theories. A simple robotic hardware and software system based on Zeiss microscope with a modified stage and a Velleman manipulator KSR-1 allow to control the laser module position, carrying out the angular irradiation of samples either in transmission or in darkfield or luminescent modes and the subsequent math ematical data processing. This low-budget system can be easily assembled and programmed in any cytomorphological or histomorphologi-cal laboratory. The code for data processing in MATLAB is given at the end of the paper.

9,463 Journals
6,646 searchable at Article level
128 Countries
2,406,624 Articles

FAQs
Interacting with DOAJ
Open Access Information
Best Practice
Download metadata
New Journals Feed

Our members
Our publisher members
Our sponsors
Our volunteers

© 2017 DOAJ.

The DOAJ site and its metadata are licensed under CC BY-SA

Contact us / IS4OA / Cottage Labs LLP