

Laser Scanning Cytometry

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Recent Publications on Laser Scanning Cytometry:

- [Salinity stress results in rapid cell cycle changes of tilapia \(*Oreochromis mossambicus*\) gill epithelial cells.](#)
*We have developed a technique for immunocytochemistry of fish gill cells...*12th September, 2008
Physiological Genomics Group, Department of Animal Science, University of- J Exp Zool Part A Ecol Genet Physiol. 2008 Sep 10. ([DOI Direct Link](#))
- [Characterization of pancreatic ductal cells in human islet preparations.](#)
*Substantial amounts of nonendocrine cells are implanted as part of human...*10th September, 2008
[1] 1Cell Transplant Center, Diabetes Research Institute, University of- Lab Invest. 2008 Sep 8. ([DOI Direct Link](#))
- [Detection of mitotic cells.](#)
*In preparation for cell division, nuclear chromatin undergoes a vital...*5th September, 2008
Memorial Sloan-Kettering Cancer Center, New York, New York, USA.- Curr Protoc Cytom. 2004 May;Chapter 7:Unit 7.24. ([DOI Direct Link](#))
- [Analysis of tissue imprints by scanning laser cytometry.](#)
*The analysis of DNA content and simultaneous surface or intracellular...*5th September, 2008
Institute of Pathology Bonn-Duisdorf, Bonn, Germany.- Curr Protoc Cytom. 2004 Nov;Chapter 7:Unit 7.22. ([DOI Direct Link](#))
- [Analysis of fine-needle aspirate biopsies from solid tumors by laser scanning cytometry \(LSC\).](#)
*Both flow and image cytometry have routine, reliable methods for ploidy...*5th September, 2008
University of Leipzig, Leipzig, Germany.- Curr Protoc Cytom. 2002 Nov;Chapter 7:Unit 7.20. ([DOI Direct Link](#))
- [Aneuploidy predicts outcome in patients with endometrial carcinoma and is related to lack of CDH13 hypermethylation.](#)
*PURPOSE: Many investigators have reported that aneuploidy detected by flow...*30th August, 2008
Department of Laboratory Medicine, Yamaguchi University Graduate School of- Clin Cancer Res. 2008 Jun 1;14(11):3354-61. ([DOI Direct Link](#))
- [Improvement of canine islet yield by donor pancreas infusion with a p38MAPK inhibitor.](#)
*BACKGROUND: The activation of p38 mitogen-activated protein kinases (MAPK)...*16th August, 2008
Southern California Islet Cell Resources Center, Department of Diabetes,- Transplantation. 2008 Jul 27;86(2):321-9. ([DOI Direct Link](#))
- [Merging of data files in laser scanning cytometry--seeing is believing?](#)
*Both flow and image cytometry have routine, reliable methods for ploidy...*14th August, 2008
Department of Pediatric Cardiology, Heart Center Leipzig, Leipzig and- Cytometry A. 2008

- Oct;73(10):880-3. ([DOI Direct Link](#))
- [Spatial quantitative analysis of fluorescently labeled nuclear structures: problems, methods, pitfalls.](#)
*The vast majority of microscopic data in biology of the cell nucleus is...*14th August, 2008
Department of Pattern Recognition and Image Processing, University of- Chromosome Res. 2008;16(3):523-62. ([DOI Direct Link](#))
 - [Application of primary cell cultures of laryngeal carcinoma and laser scanning cytometry in the evaluation of tumor reactivity to cisplatin.](#)
*Unsatisfactory effects of treatment of laryngeal carcinoma patients...*5th August, 2008
Department of Otolaryngology and Laryngeal Oncology, Medical University,- Folia Histochem Cytobiol. 2008;46(2):159-64. ([DOI Direct Link](#))
 - [Kinetics of histone H2AX phosphorylation and Chk2 activation in A549 cells treated with topotecan and mitoxantrone in relation to the cell cycle phase.](#)
*The DNA topoisomerase I (topo1) inhibitor topotecan (TPT) and topo2...*17th July, 2008
Brander Cancer Research Institute, Department of Pathology, New York- Cytometry A. 2008 Jun;73(6):480-9. ([DOI Direct Link](#))
 - [Analysis of cellular DNA content by flow cytometry.](#)
*Cellular DNA content can be measured by flow or laser-scanning cytometry...*2nd July, 2008
New York Medical Center, Valhalla, New York, USA.- Curr Protoc Immunol. 2004 May;Chapter 5:Unit 5.7. ([DOI Direct Link](#))
 - [Laser scanning cytometry \(LSC\) in pathology--a perspective tool for the future?](#)
*Cytometry is becoming a standard method of examination not only in biology...*12th June, 2008
Institute of Laboratory Methods of Examination, Faculty of Medicine,- Bratisl Lek Listy. 2008;109(1):3-7.
 - [Imaging aspects of cardiovascular disease at the cell and molecular level.](#)
*Cell and molecular imaging has a long and distinguished history....*29th May, 2008
Department of Pathology, College of Medicine, University of Vermont, 89- Histochem Cell Biol. 2008 Aug;130(2):235-45. Epub 2008 May 28. ([DOI Direct Link](#))
 - [Lack of inducible nitric oxide synthases attenuates leukocyte-endothelial cell interactions in retinal microcirculation.](#)
*AIM: To investigate the effect of inducible nitric oxide synthases (iNOS)...*23rd May, 2008
Department of Ophthalmology and Visual Sciences, Kyoto University Graduate- Br J Ophthalmol. 2008 May;92(5):694-8. ([DOI Direct Link](#))

Laser Scanning Cytometry Patents:



- 6670142- [Method for screening combinatorial bead library, capturing cells from body fluids, and ligands for cancer cells](#)
- 6953778- [Methods and compositions for the diagnosis and treatment of hematological disorders using 2777](#)
- 6955889- [Simultaneous determination of forward and reverse ABO blood group](#)
- 6960449- [Class characterization of circulating cancer cells isolated from body fluids and methods of use](#)
- 6979830- [Optical architectures for microvolume laser-scanning cytometers](#)
- 7041654- [Methods and compositions for inducing tumor-specific cytotoxicity](#)
- 7049410- [Antibodies to a novel EGF-receptor related protein \(ERRP\)](#)

- 7067646- [Methods and compositions for modulating tumor suppression](#)
- 7070943- [Detection of protein conformations in single cells](#)
- 7078048- [Method and compositions for treating rosacea](#)
- 7087392- [Antiproliferative SgK reagents and methods](#)
- 6924114- [Method for monitoring resting and activated platelets in unfixed blood samples](#)
- 6888951- [Methods and apparatus for analyzing operational and analyte data acquired from optical disc](#)
- 6884873- [Kit for determining DNA double-stranded breaks with anti- \$\gamma\$ -H2A antibodies](#)
- 6674058- [Apparatus and method for focusing a laser scanning cytometer](#)
- 6686188- [Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle](#)
- 6687395- [System for microvolume laser scanning cytometry](#)
- 6753135- [Biological markers for evaluating therapeutic treatment of inflammatory and autoimmune disorders](#)
- 6800860- [Optical architectures for microvolume laser-scanning cytometers](#)
- 6821740- [Flow cytometric methods for the concurrent detection of discrete functional conformations of PRB in single cells](#)
- 6828109- [Methods for detecting an analyte of interest using catalyzed reporter deposition of tyramide](#)
- 6846650- [Compositions and methods relating to lung specific genes and proteins](#)
- 6855517- [Compositions and methods relating to breast specific genes and proteins](#)
- 6861263- [Surface-enhanced spectroscopy-active sandwich nanoparticles](#)
- 7098015- [27875, 22025, 27420, 17906, 16319, 55092 and 10218 molecules and uses therefor](#)
- 7098042- [Internal quality control](#)
- 7305112- [Method of converting rare cell scanner image coordinates to microscope coordinates using reticle marks on a sample media](#)
- 7336812- [System for microvolume laser scanning cytometry](#)
- 7358046- [Sensitivity test to predict efficacy of anti-cancer therapies](#)
- 7361475- [Compositions and methods relating to colon specific genes and proteins](#)
- 7369696- [Classification of cells into subpopulations using cell classifying data](#)
- 7381531- [Displacement assay for detection of small molecules](#)
- 7387880- [Method for monitoring resting and activated platelets in unfixed blood samples](#)
- 7403647- [Method for identifying an image of a well in an image of a well-bearing component](#)
- 7405071- [Method and device for manipulating individual small objects](#)
- 7412333- [Method for prognostic factor analysis regarding cancers](#)
- 7286224- [Time-multiplexed scanning light source for multi-probe, multi-laser fluorescence detection systems](#)
- 7277569- [Apparatus and method for detecting and locating rare cells](#)
- 7271261- [Substituted benzimidazoles and imidazo-\[4,5\]-pyridines](#)
- 7132440- [Substituted benzimidazoles and imidazo-\[4,5\]-pyridines](#)
- 7157272- [Constructs for gene expression analysis](#)
- 7183396- [Linvin, a novel inhibitor of apoptosis protein](#)
- 7197401- [Peak selection in multidimensional data](#)
- 7208267- [Compositions and methods relating to breast specific genes and proteins](#)
- 7248360- [Polychronic laser scanning system and method of use](#)
- 7250427- [Aryl-substituted benzimidazole and imidazopyridine ethers](#)
- 7253404- [Median filter for liquid chromatography-mass spectrometry data](#)
- 7259845- [Disposable optical cuvette cartridge with low fluorescence material](#)
- 7268148- [Compositions and methods for use against acne-induced inflammation and dermal matrix-degrading enzymes](#)
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