

UC Irvine

UC Irvine Previously Published Works

Title

Tissue harvest with a laser microbiopsy (Erratum)

Permalink

<https://escholarship.org/uc/item/76f948c1>

Journal

Journal of Biomedical Optics, 28(2)

ISSN

1083-3668

Authors

King, Jason B

Katta, Nitesh

Parekh, Sapun H

et al.

Publication Date

2023-02-01

DOI

10.1117/1.jbo.28.2.029801

Copyright Information

This work is made available under the terms of a Creative Commons Attribution License, available at <https://creativecommons.org/licenses/by/4.0/>

Peer reviewed

Tissue harvest with a laser microbiopsy (Erratum)

Jason B. King,^a Nitesh Katta,^b Sapun H. Parekh,^a Thomas E. Milner,^b
and James W. Tunnell^a

^aThe University of Texas at Austin, Department of Biomedical Engineering,
Austin, Texas, United States

^bUniversity of California Irvine, Beckman Laser Institute and Medical Clinic,
Irvine, California, United States

[DOI: [10.1117/1.JBO.28.2.029801](https://doi.org/10.1117/1.JBO.28.2.029801)]

This article [*J. Biomed. Opt.* **27**(12), 125001 (2022) doi: <https://doi.org/10.1117/1.JBO.27.12.125001>] was originally published on 14 December 2022 without references to some relevant prior work using lasers for microdissection of a tissue section.

The following text and references were added to the 2nd paragraph of the Introduction section:

While lasers have been utilized previously for laser microdissection to harvest cells from thin histologic sections or cell cultures,^{10–14} the laser microbiopsy approach described here harvests three-dimensional tissue volumes from thick tissues. In addition, we describe a photothermal cutting mechanism as opposed to plasma mediated ablation used for laser microdissection.^{13,14}

References

10. K. Schütze and G. Lahr, “Identification of expressed genes by laser-mediated manipulation of single cells,” *Nat. Biotechnol.* **16**(8), 737–742 (1998).
11. S. Thalhammer et al., “Laser microtools in cell biology and molecular medicine,” *Laser Phys.* **13**(5), 681–691 (2003).
12. D. Elvers et al., “Laser microdissection of biological tissues: process optimization,” *Appl. Phys. A Mater. Sci. Process.* **80**(1), 55–59 (2005).
13. A. Vogel et al., “Mechanisms of laser-induced dissection and transport of histologic specimens,” *Biophys. J.* **93**(12), 4481–4500 (2007).
14. V. Horneffer, N. Linz, and A. Vogel, “Principles of laser-induced separation and transport of living cells,” *J. Biomed. Opt.* **12**(5), 054016 (2007).

The article was corrected and republished on 14 February 2023.