

## 8. Forensics

Bright JA, Vetha JS, Vintinera SK, Cockertona SL, Curnowa N, Dalzella JA, Meredith ML

**Laser microdissection methodology in forensic casework**

Australian Journal of Forensic Sciences, Nov 2011, DOI: 10.1080/00450618.2011.622295

<http://www.tandfonline.com/doi/abs/10.1080/00450618.2011.622295>

Di Martino, D., Giuffre, G., Staiti, N., Simone, A., Le Donne, M., and Saravo, L.:

**Single sperm cell isolation by laser microdissection**

Forensic Sci Int 146 Suppl: S151-153 (2004)

<http://www.fsijournal.org/article/S0379-0738%2804%2900528-6/abstract>

Di Martino, D., Giuffre, G., Staiti, N., Simone, A., Todaro, P., and Saravo, L.:

**Laser microdissection and DNA typing of cells from single hair follicles**

Forensic Sci Int 146 Suppl: S155-157 (2004)

<http://www.fsijournal.org/article/S0379-0738%2804%2900529-8/abstract>

Langley, K.B., Valentine, J.A., and Wojkiewicz, P.W.:

**Application of Leica AS Laser Microdissection microsystem to expedite forensic sexual assault casework**

16th International Symposium on Human Identification Grapevine (Texas) (2005)

<http://www.promega.com/%7E/media/files/resources/conference%20proceedings/ishi%2016/oral%20presentations/1anglely.ashx?la=en>

Lee, A.K.:

**Laser Microdissection for rapid separation of spermatozoa or male epithelial cells from cell mixtures from sexual assault evidence, and other applications for forensic analysis**

International Association of Forensic Sciences (IAFS), Hong Kong, China: Supp 2 (2005)

<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=456530>

Lee, A.K.:

**Laser Microdissection for Rapid Separation of Spermatozoa or Male Epithelial Cells from Cell Mixtures from Sexual Assault Evidence, and Other Applications for Forensic Analysis**

Microsc Microanal 12: Supp 2 (2006)

<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=456530>

Leonov S, Zemskova E, Ivanov P:

**LMD-assisted single cell DNA typing of forensic biological evidence: Issues of the cell type and sample condition**

Forensic Science International: Genetics Supplement Series, doi:10.1016/j.fsigss.2011.08.023

<http://www.sciencedirect.com/science/article/pii/S1875176811000242>

Meredith M, Bright JA, Cockerton S, Vintiner S:

**Development of a one-tube extraction and amplification method for DNA analysis of sperm and epithelial cells recovered from forensic samples by laser microdissection**

Forensic Sci Int Genet. 2011 Mar 14. [Epub ahead of print]

<http://dx.doi.org/10.1016/j.fsigen.2011.02.007>

Miki A, Katagi M, Kamata T, Zaitzu K, Tatsuno M, Nakanishi T, Tsuchihashi H, Takubo T, Suzuki K:

**MALDI-TOF and MALDI-FTICR imaging mass spectrometry of methamphetamine incorporated into hair**

J Mass Spectrom. 2011 Apr;46(4):411-6

<http://onlinelibrary.wiley.com/doi/10.1002/jms.1908/full>

Robino, C., Barilaro, M.R., Gino, S., Chiarle, R., Palestro, G., and Torre, C.:

**Incestuous paternity detected by STR-typing of chorionic villi isolated from archival formalin-fixed paraffin-embedded abortion material using laser microdissection**

J Forensic Sci 51(1): 90-92 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1556-4029.2005.00013.x/full>

Sanders, C.T., Reisenbigler, E., and Person, D.A.:

**Laser Microdissection for low copy number analysis of sperm from mixtures**

American Academy of Forensic Sciences, Proceedings 12: 95 (2006)

[http://www.nij.gov/topics/forensics/events/dnagrantees/2006/2006\\_dna\\_abstracts.pdf](http://www.nij.gov/topics/forensics/events/dnagrantees/2006/2006_dna_abstracts.pdf)

Sanders, C.T., Sanchez, N., Ballantyne, J., and Person, D.A.:

**Laser Microdissection for separation of cell mixtures for STR analysis**

International Association of Forensic Sciences (IAFS), Hong Kong, China (2005)

[http://www.nij.gov/topics/forensics/events/dnagrantees/2005/Final\\_Abstracts.pdf](http://www.nij.gov/topics/forensics/events/dnagrantees/2005/Final_Abstracts.pdf)

Sanders, C.T., Sanchez, N., Ballantyne, J., and Peterson, D.A.:

**Laser microdissection separation of pure spermatozoa from epithelial cells for short tandem repeat analysis**

J Forensic Sci 51(4): 748-757 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1556-4029.2006.00180.x/full>

Subramanyam Reddy, Lakshmi:

**Validation of Leica LMD 6000 Microscope for the Separation of Sperm and Epithelial Cells**

Theses and Dissertations. Paper 39 (Master Thesis, 2009)

<http://digitalcommons.hsc.unt.edu/theses/39>

Thorpe S.M., Pedersen N.A., Seddon T.J., Prince D.V., Goucher M.J., van Oorschot R.A.H.:

**Laser microdissection: Checking that the dissected cells are recovered for DNA extraction**

Forensic Science International: Genetics Supplement Series (2011), doi:10.1016/j.fsigss.2011.08.073

<http://www.sciencedirect.com/science/article/pii/S1875176811000746>

Thorpe S.M., Prince D.V., van Oorschot R.A.H.:

**Comparison of extraction methods for spermatozoa recovered using laser microdissection**

Forensic Science International: Genetics Supplement Series (2011), doi:10.1016/j.fsigss.2011.08.074

<http://www.sciencedirect.com/science/article/pii/S1875176811000758>

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