

<b>Publication List Vasilis Ntziachristos A1</b>		
	<b>Title</b>	<b>Authors</b>
	Resolution of spatial and temporal heterogeneity in bevacizumab-treated breast tumors by eigenspectra multispectral optoacoustic tomography	Evangelos Liapis, Uwe Klemm, Angelos Karlas, Josefine Reber and Vasilis Ntziachristos
	Deep Learning Based Spectral Unmixing for Optoacoustic Imaging of Tissue Oxygen Saturation	Ivan Olefir ; Stratis Tzoumas ; Courtney Restivo ; Pouyan Mohajerani ; Lei Xing ; Vasilis Ntziachristos
	Multispectral optoacoustic tomography of benign and malignant thyroid disorders: A pilot study	Roll W., Markwardt N.A., Masthoff M., Helfen A., Claussen J., Eisenblätter M., Hasenbach A., Hermann S., Karlas A., Wildgruber M., Ntziachristos V., Schäfers M.
	Non-invasive Measurement of Brown Fat Metabolism Based on Optoacoustic Imaging of Hemoglobin Gradients	Reber J., Willershäuser M., Karlas A., Paul-Yuan K., Diot G., Franz D., Fromme T., Ovsepian S.V., Bézière N., Dubikovskaya E., Karampinos D.C., Holzapfel C., Hauner H., Klingenspor M., Ntziachristos V.

<b>Conference paper</b>	Phantom and methodology for fluorescence molecular imaging systems benchmarking	Gorpas D., Koch M., Anastasopoulou M., Klemm U., Ntziachristos V.
	WST11 Vascular Targeted Photodynamic Therapy Effect Monitoring by Multispectral Optoacoustic Tomography (MSOT) in Mice	Volker Neuschmelting <sup>1, 2</sup> , Kwanghee Kim <sup>3</sup> , Jaber Malekzadeh-Najafabadi <sup>4</sup> , Sylvia Jebiwott <sup>3</sup> , Jaya Prakash <sup>4</sup> , Avigdor Scherz <sup>5</sup> , Jonathan A. Coleman <sup>3</sup> , Moritz F. Kircher <sup>1, 6, 7, 8*</sup> , Vasilis Diot G., Metz S., Noske A., Liapis E., Schroeder B., Ovsepian S.V., Meier R., Rummeny E., Ntziachristos V.
	Multispectral Optoacoustic Tomography (MSOT) of human breast cancer	Diot G., Metz S., Noske A., Liapis E., Schroeder B., Ovsepian S.V., Meier R., Rummeny E., Ntziachristos V.
	Benchmarking of fluorescence cameras through the use of a composite phantom	Gorpas D., Koch M., Anastasopoulou M., Klemm U., Ntziachristos V.
	DNA-Nanostructure–Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy	Du Y., Jiang Q., Beziere N., Song L., Zhang Q., Peng D., Chi C., Yang X., Guo H., Diot G., Ntziachristos V., Ding B., Tian J.
<b>Review</b>	Advances in real-time multispectral optoacoustic imaging and its applications	Taruttis A., Ntziachristos V.

	Limited-projection-angle hybrid fluorescence molecular tomography of multiple molecules	Radrich K., Mohajerani P., Bussemer J., Schwaiger M., Beer A.J., Ntziachristos V.
	Improving limited-projection-angle fluorescence molecular tomography using a co-registered x-ray computed tomography scan	Radrich K., Ale A., Ermolayev V., Ntziachristos V.

<b>Journal</b>	<b>Publication year</b>	<b>DOI</b>
Cancer Research	2020	10.1158/0008-5472.CAN-20-1011
IEEE Transactions on Medical Imaging	2020	10.1109/TMI.2020.3001750
Journal of Nuclear Medicine	2019	10.2967/jnumed.118.222174
Cell Metabolism	2018	10.1016/j.cmet.2018.02.002

Proceedings of SPIE - The International Society for Optical Engineering	2018	10.1117/12.2309766
Theranostics	2018	10.7150/thno.20386
Clinical Cancer Research	2017	10.1158/1078-0432.CCR-16-3200
Journal of Biomedical Optics	2017	10.1117/1.JBO.22.1.016009
Advanced Materials	2016	10.1002/adma.201601710
Nature Photonics	2015	10.1038/nphoton.2015.29

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Journal of Biomedical Optics	2012	10.1117/1.JBO.17.12.126011

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