Anna Pieczara

Lista Publikacji

1. Pieczara, A.; Arellano Reyes, R. A.; Keyes, T. E.; Dawiec, P.; Baranska, M. New Highly Sensitive and Specific Raman Probe for Live Cell Imaging of Mitochondrial Function. ACS Sensors 2024, 9 (2), 995–1003. https://doi.org/10.1021/acssensors.3c02576.

2. Pieczara, A.; Borek-Dorosz, A.; Buda, S.; Tipping, W.; Graham, D.; Pawlowski, R.; Mlynarski, J.; Baranska, M. Modified Glucose as a Sensor to Track the Metabolism of Individual Living Endothelial Cells - Observation of the 1602 Cm-1 Band Called "Raman Spectroscopic Signature of Life." Biosensors and Bioelectronics, 2023, 230, 115234. https://doi.org/10.1016/J.BIOS.2023.115234.

3. Pieczara, A.; Matuszyk, E.; Szczesniak, P.; Mlynarski, J.; Baranska, M. Changes in the Mitochondrial Membrane Potential in Endothelial Cells Can Be Detected by Raman Microscopy. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2023, 286, 121978. https://doi.org/10.1016/j.saa.2022.121978.

4. Brzozowski, K.; Pieczara, A.; Korona, W.; Nowakowska, A. M.; Orzechowska, B.; Firlej, J.; Wislocka, A., Baranska M.; A unique Tandem RAman Microscopy (TRAM) integrating spontaneous and coherent Raman scattering offers integrated data analysis to improve optical biosensing. Optica, 2025., 12 (1), 11-23. https://doi.org/10.1364/OPTICA.537479.

5. Borek-Dorosz, A.; Pieczara, A.; Czamara, K.; Stojak, M.; Matuszyk, E.; Katarzyna Majzner; Brzozowski, K.; Bresci, A.; Polli, D.; Baranska, M. What Is the Ability of Inflamed Endothelium to Uptake Exogenous Saturated Fatty Acids? A Proof-of-Concept Study Using Spontaneous Raman, SRS and CARS Microscopy. Cellular and Molecular Life Sciences, 2022, 79 (12), 1–15. https://doi.org/10.1007/S00018-022-04616-4.