Mammalian Oocyte Analysis by MALDI MSI with Wet-Interface Matrix Deposition Technique

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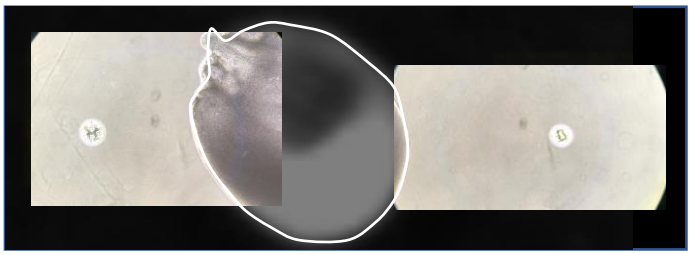
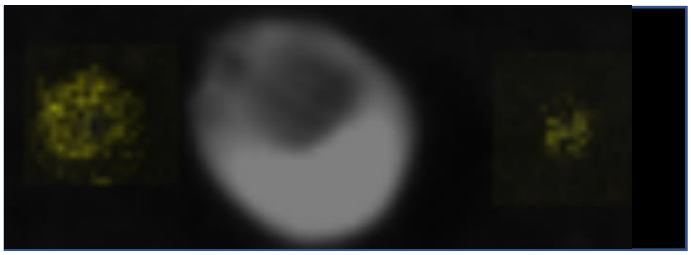
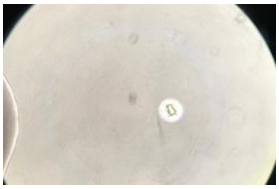
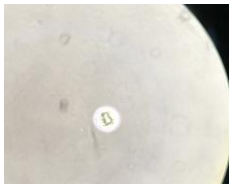
Supplementary materials:

Step-by-step preparation sequence of the figure 13 from the manuscript









Original figure:

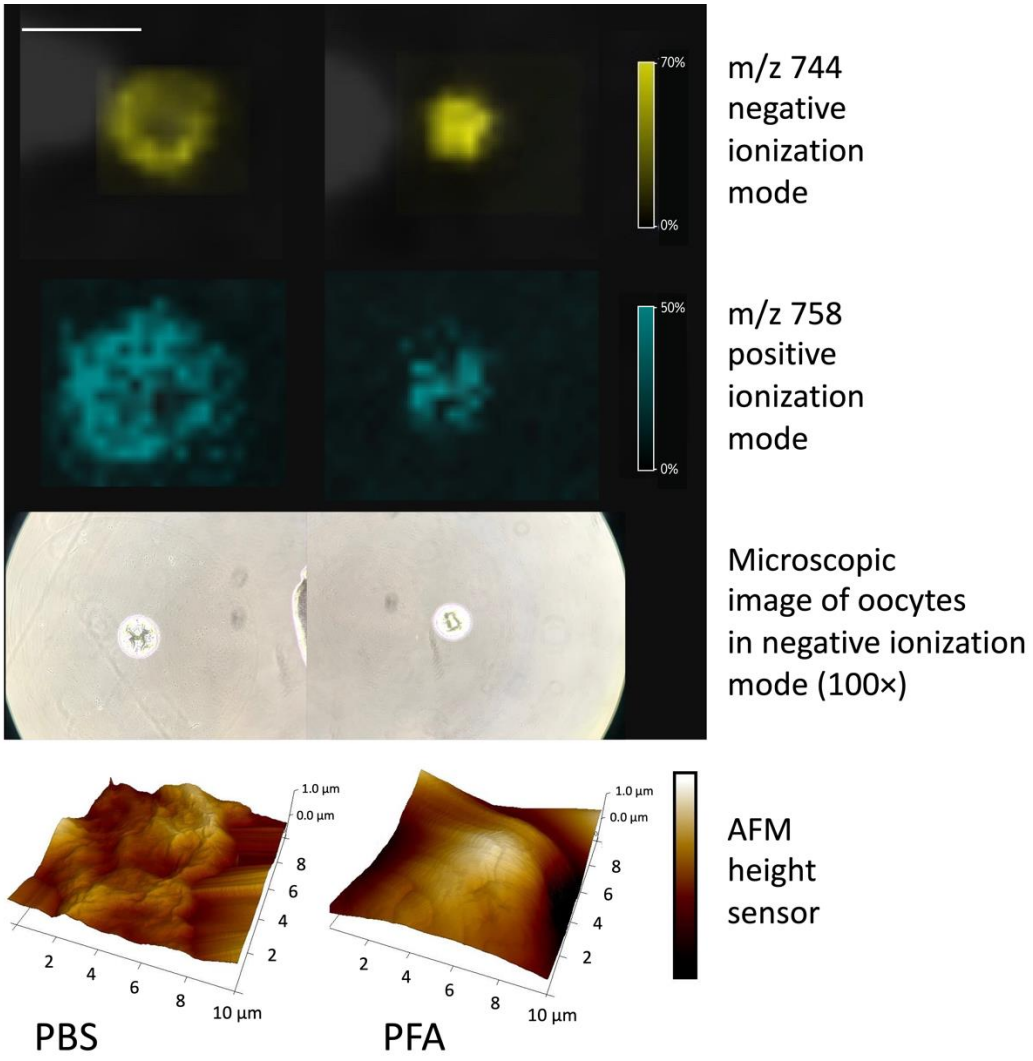
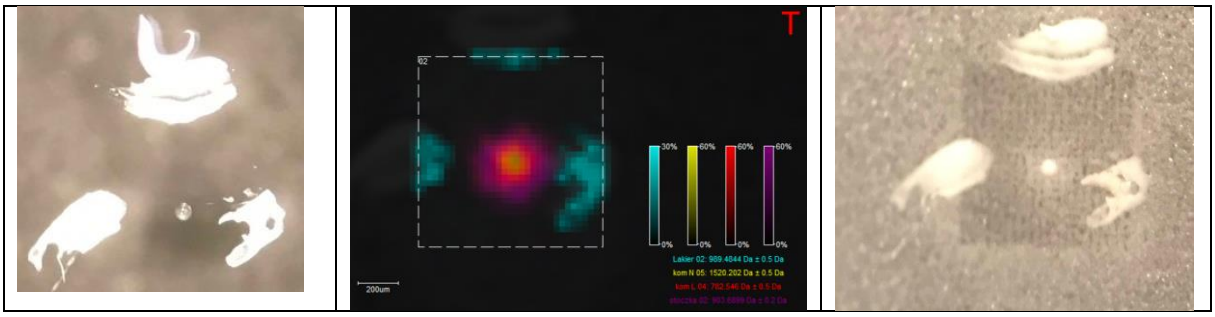


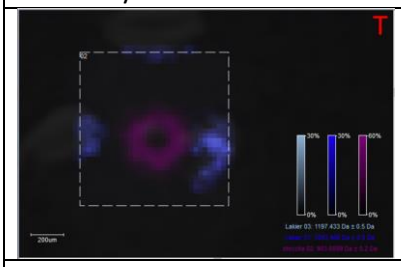
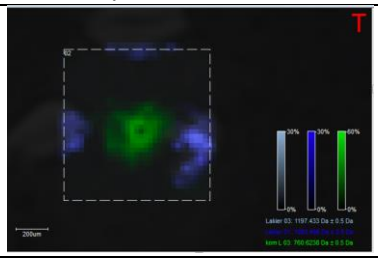
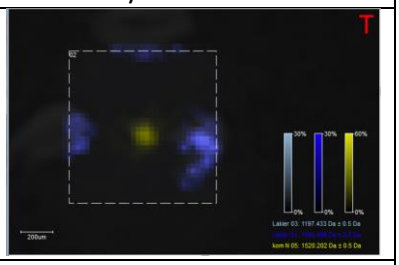
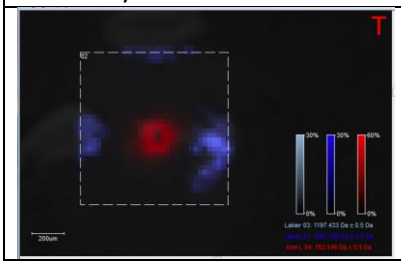
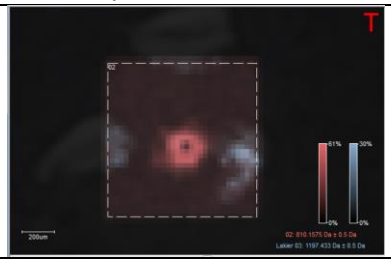
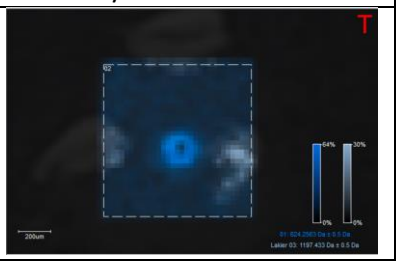
Figure S1. Oocyte washed with PBS (left) and the oocyte fixed with 4% PFA (right), negative and positive ionization mode, and AFM (Atomic Force Microscope) measurement of both types of the sample, size bar: 500 micrometers. Figure preparation.

Co-registered images of the cell with a few ion maps for the different m/z

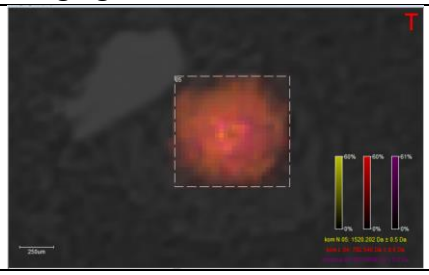
Nozzle height: Z=15 mm, number of matrix layers: L=10

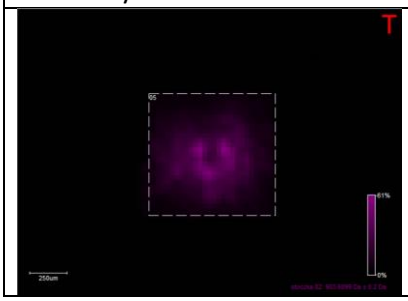
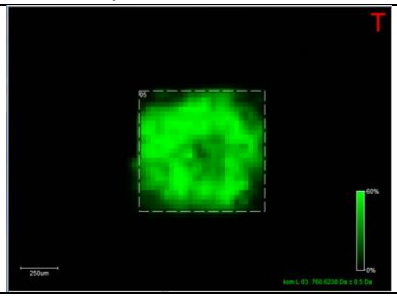
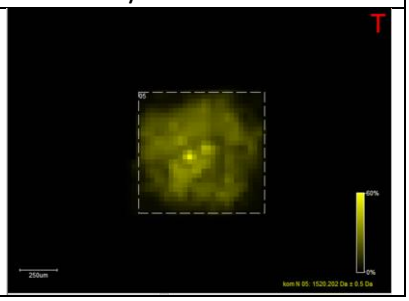
Before matrix deposition	Imaging	After matrix deposition and MS imaging



903.6 m/z	760.6 m/z	1520.2 m/z
		
782.5 m/z	810.2 m/z	824.2 m/z
		

Nozzle height: Z=25 mm, number of matrix layers: L=10

Before matrix deposition	Imaging	After matrix deposition
		

903.6 m/z	760.6 m/z	1520.2 m/z
		

782.5 m/z	810.2 m/z	824.2 m/z