

**Faculty of Medicine**

<b>Name and Surname</b>	<b>Organizational Unit</b>	<b>Keywords connected to research interests</b>
Kristina Grabušić	Dpt. for Physiology, Immunology and Pathophysiology	Extracellular vesicles, traumatic brain injuries, liquid biopsy, cerebrospinal fluid
Mladenka Malenica	Department of Medical Chemistry, Biochemistry and Clinical Chemistry	Extracellular vesicles, asymmetric flow field flow fractionation (AF4), honey, nanotechnology, therapeutic, drug-delivery

<b>SCIENTIFIC SUPERVISOR</b>	
<b>Name and Surname</b>	Professor Kristina Grabušić
<b>UNIRI Faculty</b>	<a href="#">Faculty of Medicine</a>
<b>Organisational Unit / Research Group</b>	Dpt. for Physiology, Immunology and Pathophysiology
<b>Research Team (Members)</b>	Janja Tarčuković, Siniša Zrna, Anton Bilić, Lara Valenčić Seršić
<b>Research Interests</b>	Our group explores extracellular vesicles (EVs) — tiny, cell-derived particles found in body fluids — as a rich source of diagnostic and prognostic biomarkers. Because their molecular cargo (proteins, nucleic acids, metabolites) reflects the state of their cell of origin, EVs offer a dynamic window into tissue health and disease. We're currently focused on EVs in cerebrospinal fluid from patients with traumatic brain injury, aiming to uncover molecules involved in early brain repair. Our work contributes to the growing potential of EV-based liquid biopsy — a non-invasive tool for monitoring even the most inaccessible organs.
<b>Keywords (max. 5) connected to your research interests:</b>	Extracellular vesicles, traumatic brain injuries, liquid biopsy, cerebrospinal fluid
<b>EU-funded project experience</b>	Principal investigator of grants funded by Croatian Science Foundation (programme "Research Projects")
<b>Scientific panel</b>	Life Sciences
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<b>Personal or Research Team's Website</b>	<a href="https://medri.uniri.hr/en/science/research-groups/">https://medri.uniri.hr/en/science/research-groups/</a>
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<b>SCIENTIFIC SUPERVISOR</b>	
<b>Name and Surname</b>	Professor Mladenka Malenica
<b>UNIRI Faculty</b>	<a href="#">Faculty of Medicine</a>
<b>Organisational Unit / Research Group</b>	Department of Medical Chemistry, Biochemistry and Clinical Chemistry
<b>Research Team (Members)</b>	Hrvoje Križan (pHD), Vanja Baričević (pHD), assoc. prof. Marin Tota, dr. Mario Kurtjak (Institute Jožef Stefan, Ljubljana), prof. Valentina Marassi (University of Bologna), Pietro Parisse (IOM-CNR Trieste)
<b>Research Interests</b>	Plant/food-derived extracellular vesicles as nano-carriers of therapeutic molecules
<b>Keywords (max. 5) connected to your research interests:</b>	Extracellular vesicles, asymmetric flow field flow fractionation (AF4), honey, nanotechnology, therapeutic, drug-delivery
<b>EU-funded project experience</b>	<a href="https://www.croris.hr/osobe/profil/1265?lang=en">https://www.croris.hr/osobe/profil/1265?lang=en</a>
<b>Scientific panel</b>	Life Sciences
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