

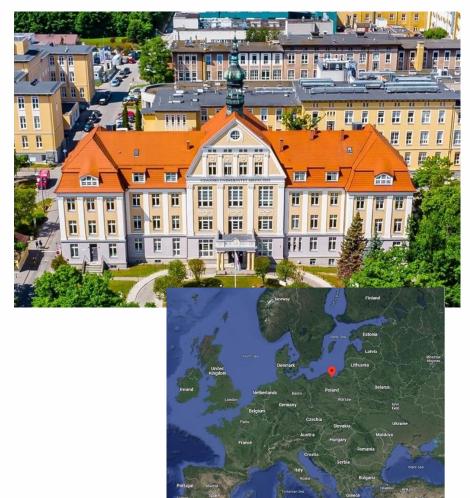
Medical University of Gdansk

Technology Offers

Arab Health 2023

Medical University of Gdansk (MUG) – major facts





- **MUG** located in Gdansk, ranked 1st among the medical schools in the country and 8th among the top ten of the best Polish state universities.
- Technology Transfer Office support on the utilisation and commercialisation of academic research inventions.
- Medical Innovation Centre Ltd. (MUG SPV)
 cooperates with investors, business angels, and
 innovative entities ready to implement science-based
 technologies.

Technology offers presented during Medica 2022:



- 1. CircuScan a device for intraoperative measurements of blood supply to the organs of the gastrointestinal tract.
- 2. Bio3P novel software for data collection, management and processing.
- 3. DEROtator R.PAN a device for safe derotation of spine.
- 4. Exhaled Breath Condensate collection device.
- 5. Cost-effective and robust method to carry out dispersive solid phase extraction kit.

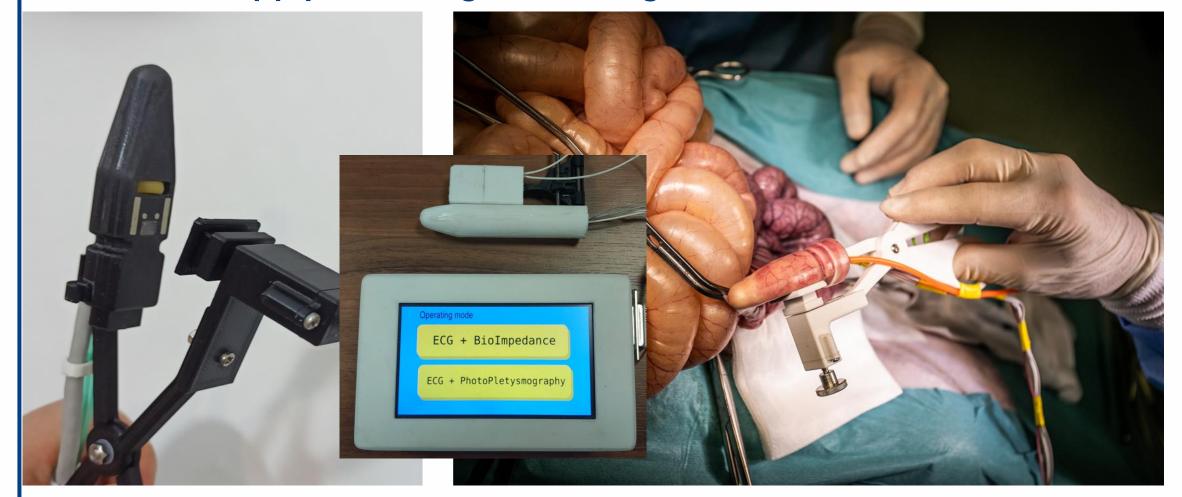
Technology offers presented during Medica 2022:



- 6. Innovative device to perform the biopsy of soft human and animal tissue.
- 7. UriMAB a prototype of a device for qualitative distinction of pathogenic, nonpathogenic and contaminating bacteria in urine samples.
- 8. Respiratory Phase Detector.
- 9. Shielding cap for dermatoscopes to examine patients with cardiac implantable electronic devices (CIED).
- 10. Urosepsis and UTI discrimination POCT.

CircuScan - a device for intraoperative measurements of blood supply to the organs of the gastrointestinal tract.





Method and device for combined measurement of blood circulation in the organs of the gastrointestinal tract.

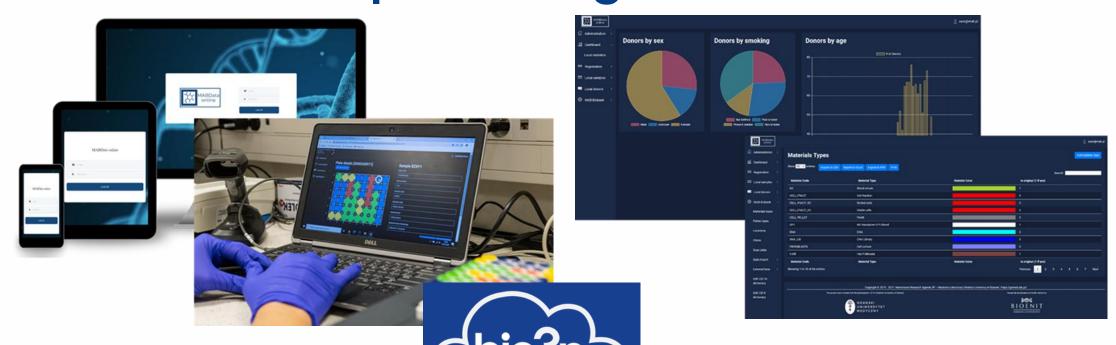






Bio3P - novel software for data collection, management and processing





Supports the work of researchers and clinicians by allowing data and results to be collected and analyzed in one place, collated with available knowledge, and compared with archival results.



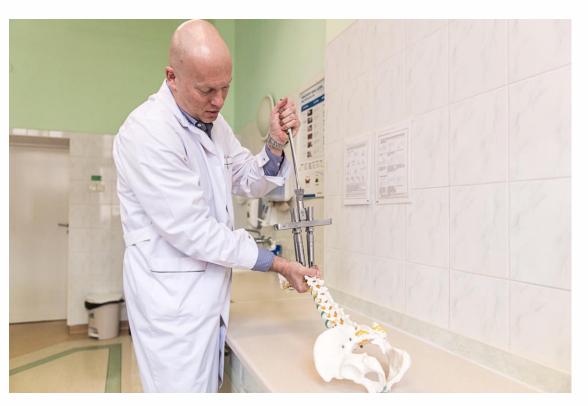




DEROtator R.PAN - device for safe derotation of spine







Device used during hospital treatment of curvature of the spine, i.e. scoliosis.







Exhaled Breath Condensate collection device





Device for determination of amino acids in exhaled breath condensates in relation to haematological malignancies, nephrotic syndrome and diabetes mellitus.

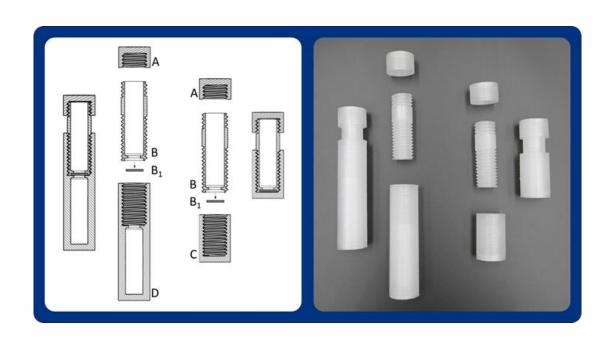


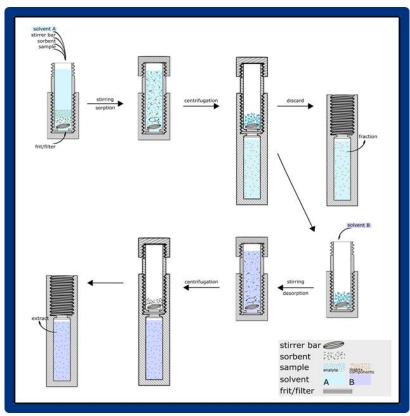




Cost-effective and robust method to carry out dispersive solid phase extraction kit







A 3D printed extraction kit that allows for complete and repeatable liquid-solid phase separation in a dispersive extraction process.







Innovative device to perform the biopsy of soft human and animal tissue





Thick-needle biopsy device allowing a single removal of healthy and pathological tissue.



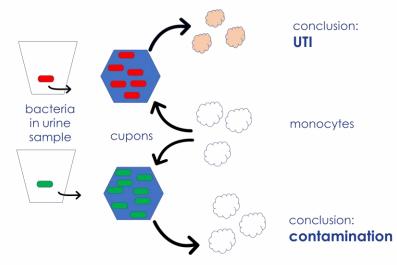




UriMAB - a prototype of a device for qualitative distinction of pathogenic, nonpathogenic and contaminating bacteria in urine samples









Urine bacteriology diagnosis by monocyte-activating biofilm.









Respiratory Phase Detector



Device for identifying the respiratory phase in a patient breathing spontaneously through an artificial respiratory tract (endotracheal or tracheotomy tube) with a connected heat and moisture exchanger.







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Shielding cap for dermatoscopes to examine patients with cardiac implantable electronic devices (CIED).



The invention provides a dermatoscope cap which enables shielding of the magnetic field, thus ensuring reduction of the magnetic induction of a dermatoscope.







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Urosepsis and UTI discrimination - POCT







Device which allows for discrimination of Urosepsis and UTI form patients urine sample in less than 20 min.









For detailed information please visit our website:

https://tto.mug.edu.pl/

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