





Integrated translational capacities: TMOH





TMOH takes care of the operations to support translational medicine research

Our missions

Provide high quality biomaterial and associated data







Healthy and tumor tissue

- Eliminate sample processing-related bias
- Ensure samples are fit for purpose





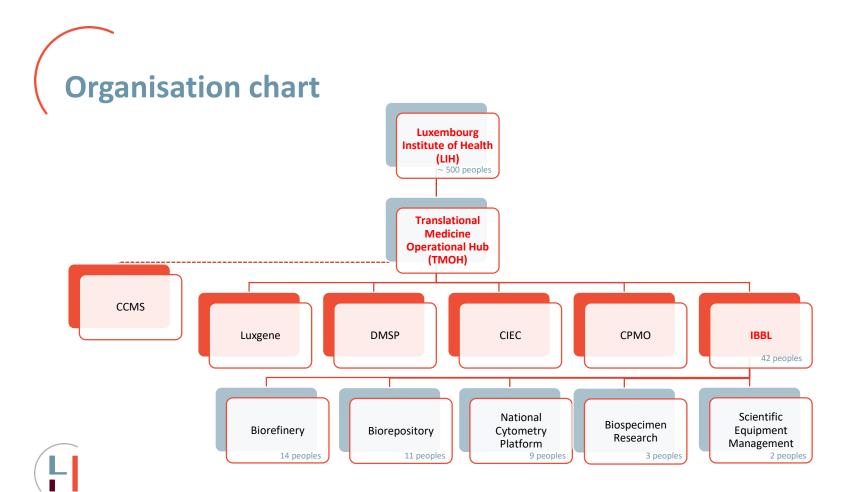
Quality-controlled environment

- ISO 9001 certified → documentation and traceability of every single step
- ISO 17025 accredited → competence of testing and calibration laboratories



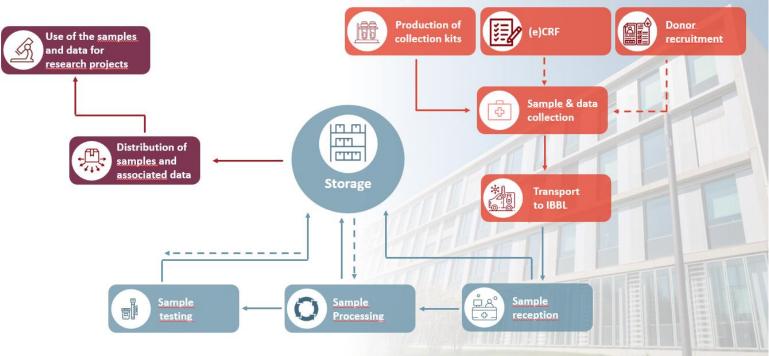






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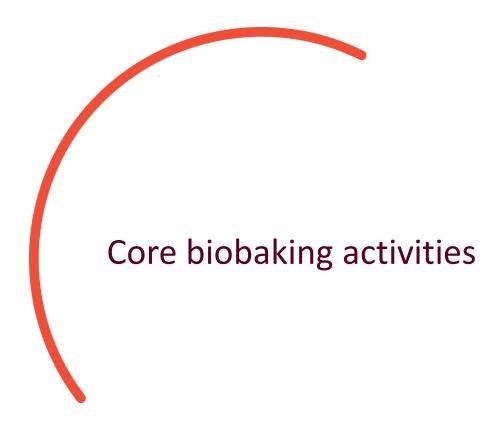
Sample flow





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Biorepository

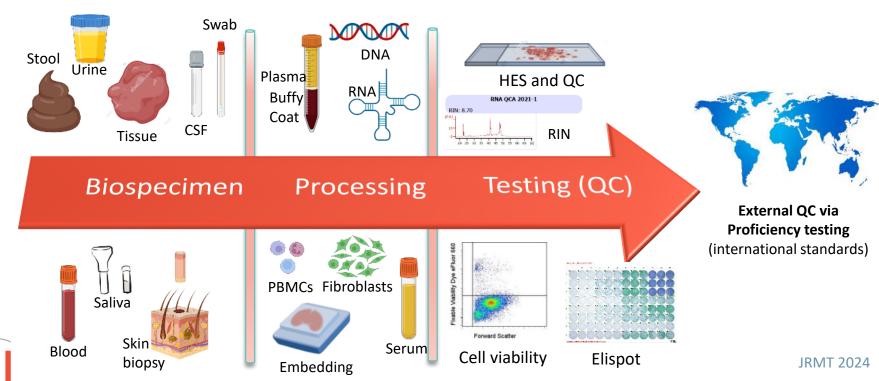




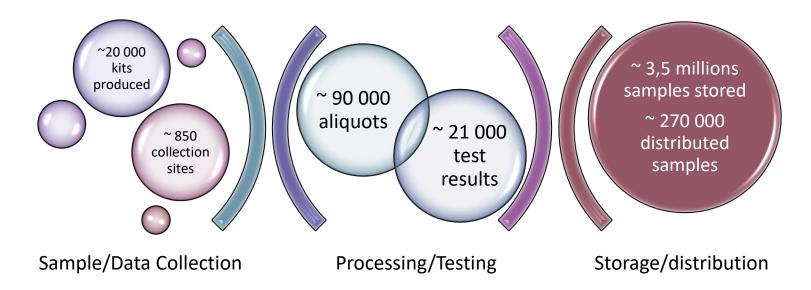
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25/10/2024

Biorefinery

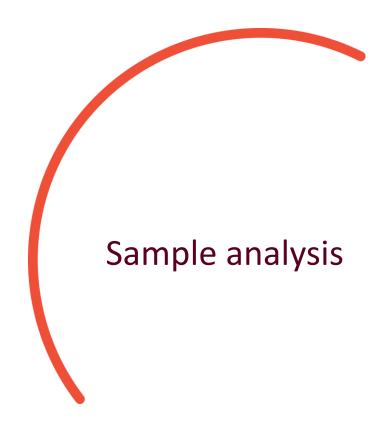


Biobanking numbers









Biorefinery- Sample characterization

Molecular Biology







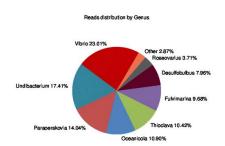
Digital dropelt PCR

<u>Luminex</u>





Sequencing (16S)



Metabolomics (upcoming)





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National cytometry platform















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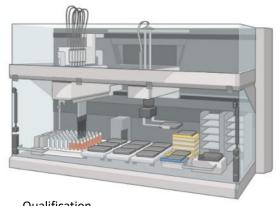




Better methods for better samples

New equipment implementation

~ 160 equipments incl. 25 complex



- Qualification
- Validated Assay protocol
- Validated work instructions
- Staff training

Biospecimen Research

Improving the methods/process to get the best out of the samples



J Histochem Cytochem. 2020 Mar; 68(3): 171-184.

Published online 2020 Feb 11. doi: 10.1369/0022155420906234

PMCID: PMC7045302 PMID: 32043912

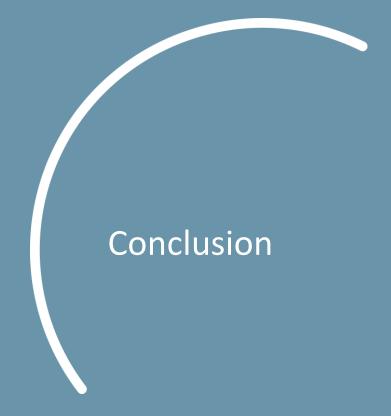
Effect of Different Proteinase K Dige National cytometry platform Deparaffinization Methods on Yield and Integrity of DNA Extracted From Formalin-fixed, Paraffin-embedded Tissue

Zoe Frazer, Changyoung Yoo, Manveer Sroya, Camille Bellora, Brian L. DeWitt, Ignacio Sanchez, Geraldine A. Thomas, and William Mathieson



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Perspectives

- To remain at the cutting-edge
- More standards, more automated, high-throughput
 - → Reduced cost
- Happy to support further research projects
- Better samples, better data, better science

