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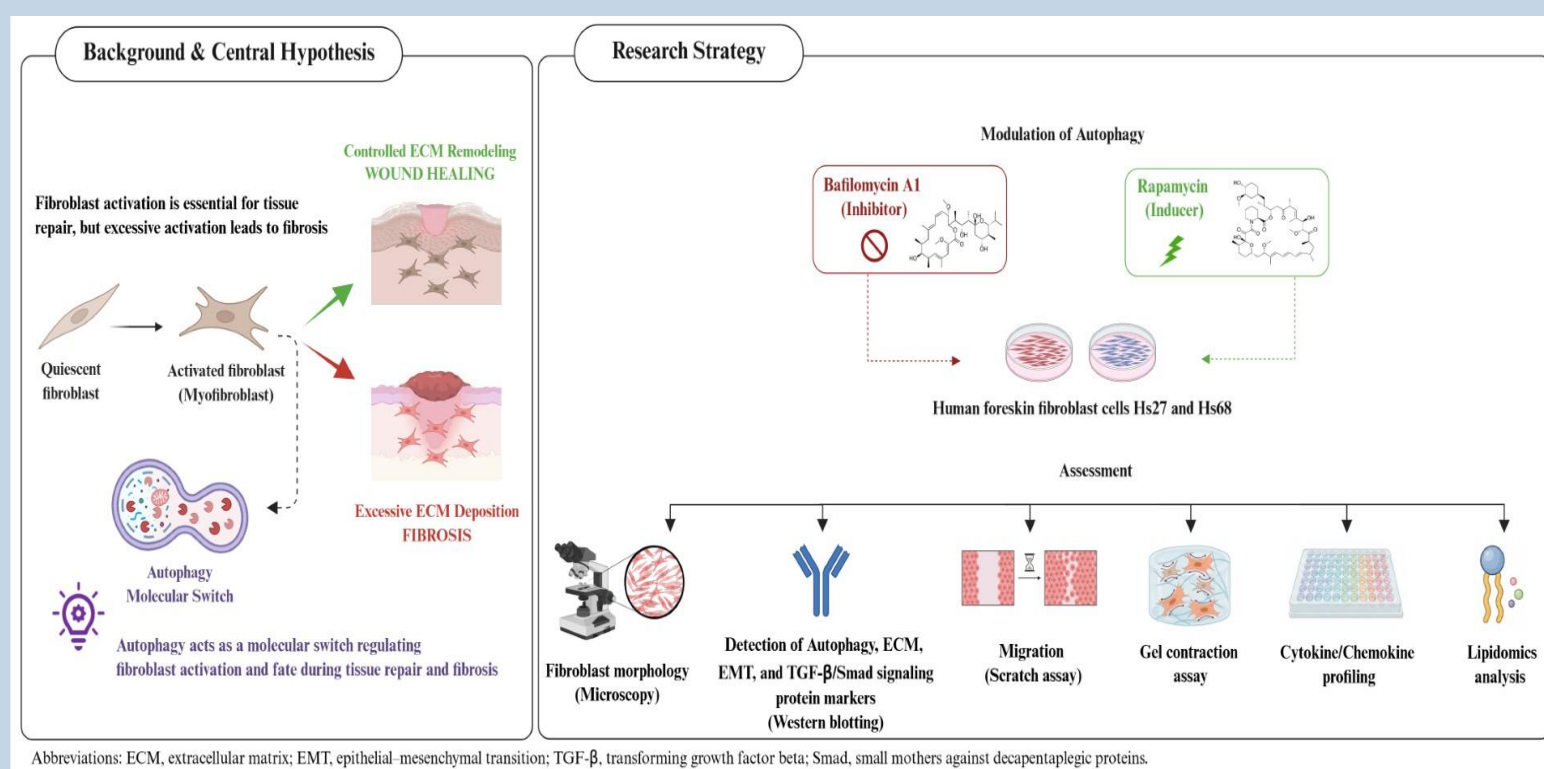
General information

The Medical Biotechnology Group conducts fundamental and applied research in a broad spectrum of areas within the field of medical biotechnology. The Group's research activities encompass, but are not limited to:

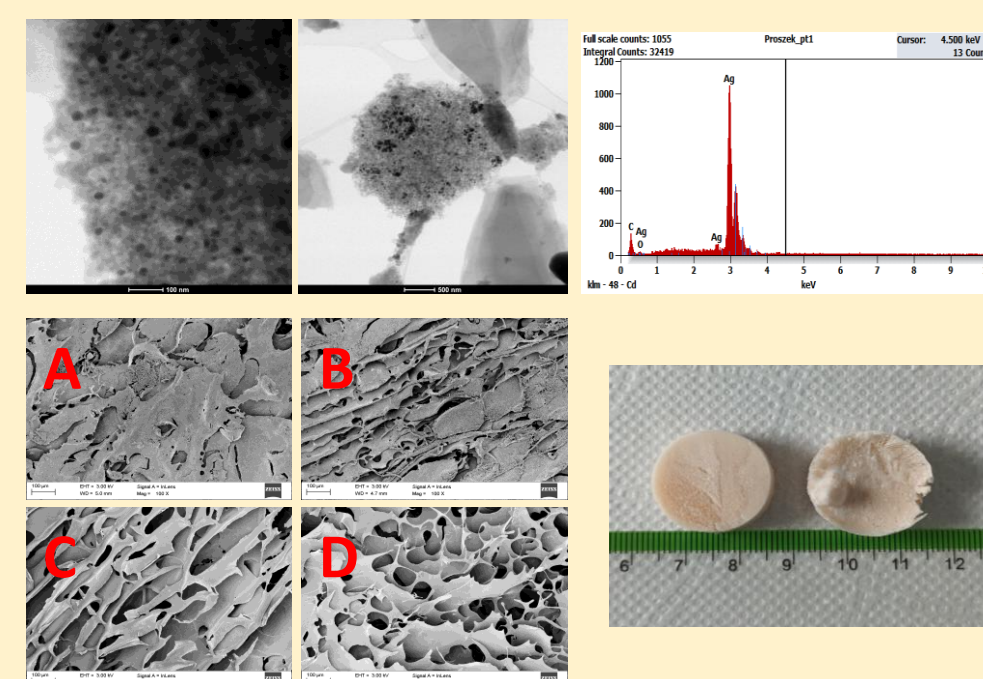
- The design, synthesis, and evaluation of novel biomaterials with tailored biomedical functionalities;
- The development and characterisation of biomaterials exhibiting specific biological activities, including enhanced wound healing, protection against biological and chemical agents, and camouflage capabilities across various regions of the electromagnetic spectrum;
- The development and optimisation of innovative drug delivery systems;
- The identification and development of novel pharmaceutical sources of bioactive lead compounds;
- The formulation and evaluation of functional food products with enhanced nutritional and health-promoting properties;
- The development of advanced analytical and detection methods for biological and chemical agents, including nanosensor- and biosensor-based technologies.

Research

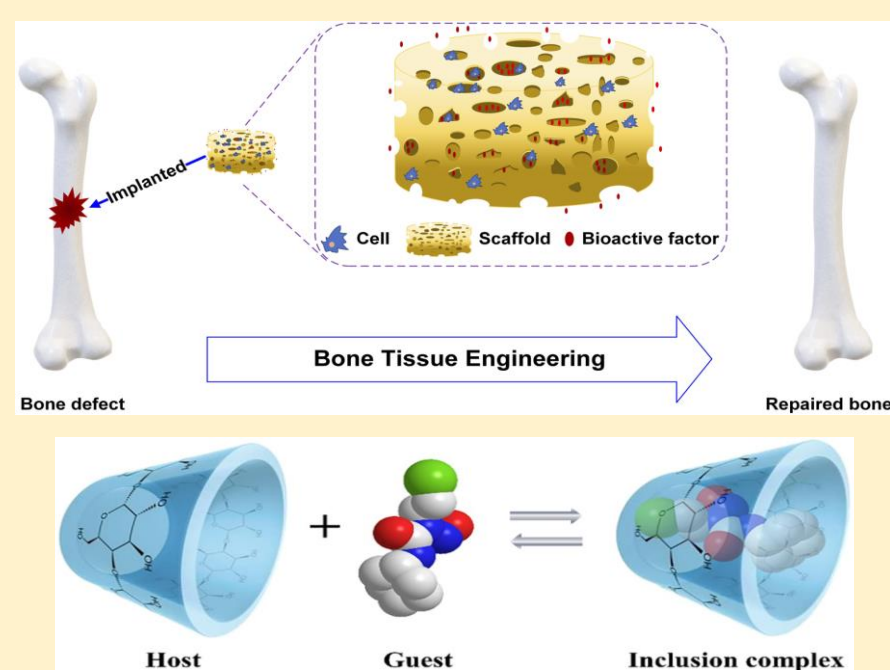
REGENERATIVE MEDICINE- WOUND HEALING



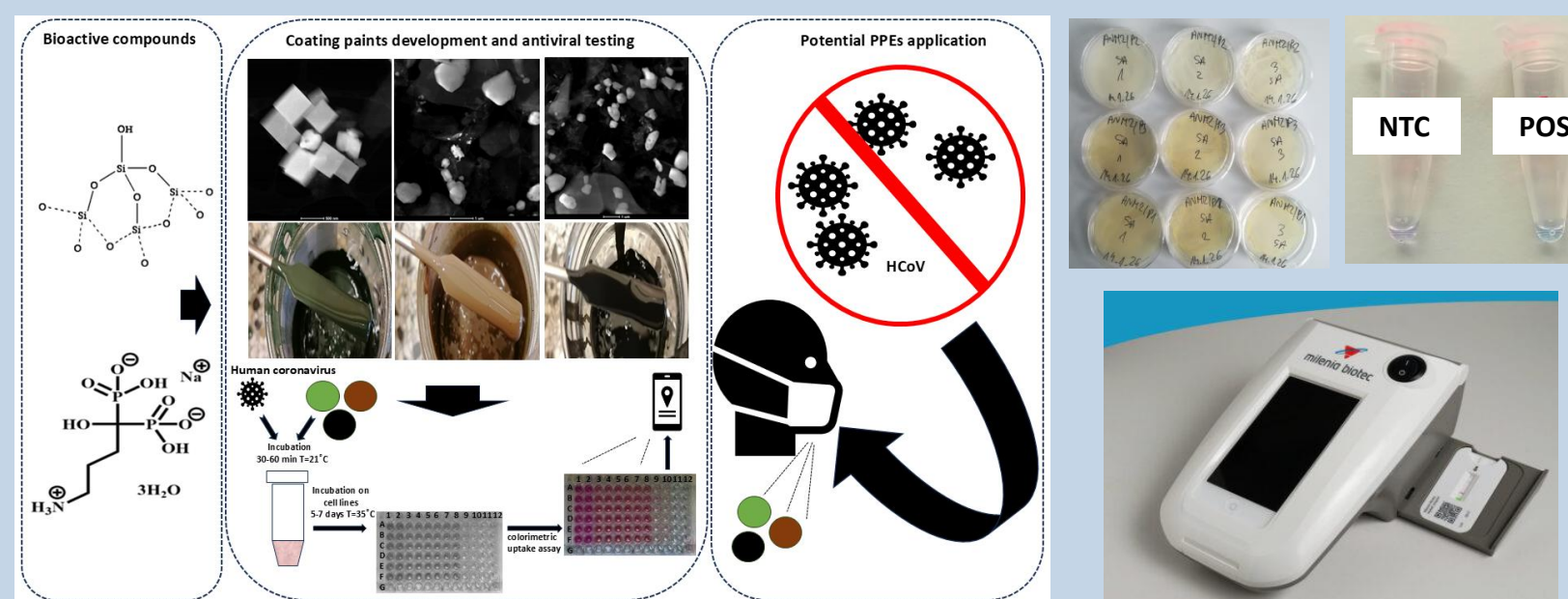
BIOMATERIALS DEVELOPMENT AND CHARACTERISATION



TISSUE ENGINEERING



ASSESSMENT OF CYTOTOXICITY, ANTIBACTERIAL, AND ANTIVIRAL PROPERTIES OF BIOMATERIALS



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