ABOUT US

The mission is the study of the mechanisms of acute (multi)organ dysfunction and injury, identification and testing of emerging treatment targets and molecules, evaluation of the efficacy, safety and mechanisms of novel methods of organ replacement. The strategic areas include: Dynamic Modeling of Acute Illness; Fundamental cell and molecular biological studies of the basis for organ dysfunction; Organ protection and regeneration; Extracorporeal organ support and replacement; New Biological Markers. The multi-disciplinary team comprises basic science and clinical researchers, bioengineering and biomaterials experts, and experts in complex systems modeling.

MEMBERS

- **Prof. Martin Matějovič, M.D., Ph.D.** – Research Group Leader
- **Assoc. Prof. Jan Beneš, M.D., Ph.D.**
- **Jiří Chvojka, M.D., Ph.D.**
- **Lenka Karlíková**
- **Thomas Karvunidis, M.D.**
- **Jaroslav Raděj, M.D.**
- **Jan Horák, M.D.**
- **Eva Němcová, M.Sc.**
- **Adéla Turhobrová, B.Sc.**

WE OFFER

- Independent testing of the efficacy and safety of novel candidate molecules.
- Independent evaluation of the efficacy and safety of novel extracorporeal methods of organ support and replacement.
- Rapid and comprehensive reporting of high quality proof-of-concept results, including statistical analyses and data interpretation.
- Advice prior to initiation of a study and experimental design helping.
- Consultation in the development of models.
- Confidential data that are the sole property of the client International reputation with more than 15 years of experience in experimental research.
- Long-term policy of bilateral cooperation.
SELECTED PUBLICATIONS