OFFER: MSc/PhD project

For graduate or doctoral cell biology student interested in applied research in biomedicine.

Project IsletNet is an endeavor to develop and implement a new standard for quantitative assessment of pancreatic islets before transplantation to diabetic patients, suitable for comparison of isolated and man-made islets. Our approach is unique in the filed, involving complex mathematical models (deep-learning included) based on careful biological observations.

Student will join an open international group of physicians, veterinarians, biologists, and mathematicians from hospitals, academic institutions, and startups.

Task of the student will be the creation of artificial pancreatic islets and their functional assessment before xenotransplantation. Can join other parts of the project if interested.

Working environment: Laboratory of pancreatic islets, Experimental Medicine Center, IKEM; Laboratory of Biomathematics, Institute of Physiology and Department of Light Microscopy, Institute of Molecular Genetics, Czech Academy of Sciences.

Requirements: interest in the project, thoroughness, reliability, love for innovation. Available: immediately, commitment up to 0.8.

David Habart, MD, PhD
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