

**University of Szeged, Albert Szent-Györgyi Medical School**  
**Department of Medical Physics and Informatics**

**Topic list (2021 /2022):**

Supervisor	Topic
Prof. Ferenc Peták	Respiratory consequences of mechanical ventilation in experimental models
Prof. Ferenc Peták	Respiratory consequences of cerebral hypoperfusion in experimental models
Prof. Ferenc Bari	Experimental modelling of cerebral hypoperfusion
Prof. Ferenc Bari	Nanomedicine as therapeutic option for stroke
Prof. Tibor Nyári	The role of the human papilloma virus in the development of cervical cancer
Prof. Tibor Nyári	Modelling of environmental effects in childhood cancers
Dr. József Tolnai	Monitoring of physiological processes with telemedicine tools
Dr. Gergely Fodor	Respiratory mechanical investigations in small animal models
Dr. Mónika Szűcs	Application of statistical methods in biological and medical research
Dr. Tibor Szabó	Redox proteins for biosensor application
Dr. János Lückl	The electrophysiological analysis of the ictal-interictal continuum in acute and subacute encephalopathies
Dr. Árpád Márki and Dr. Attila Nagy	Applications of 3D printing in medicine