
Our scientific teams

Research areas

Diagnostic and analytical methods in medicine

- Clinical Biochemistry and Diagnostics Group
leader: doc. MUDr. Radomír Hyšpler, Ph.D.
- Clinical Immunology and Allergology Group
leader: prof. RNDr. Jan Krejsek, CSc.
- Clinical Microbiology Group
leader: prof. MUDr. Pavel Boštík, Ph.D.

Functional and forensic morphology

- Controlled differentiation and reprogramming of cells Group
leader: prof. MUDr. Jaroslav Mokrý, Ph.D.
- Pathology - Group for research of predictive markers in cancer
leader: prof. MUDr. Aleš Ryška, Ph.D.
- Forensic Medicine
leader: prof. MUDr. Petr Hejna, Ph.D.
- Transmission Electron Microscopy Laboratory
leader: doc. MUDr. Dana Čížková, Ph.D. ; doc. RNDr. Aleš Bezrouk, Ph.D.
- Virtual methods in anatomy
leader: Mgr. Michal Kuchař, Ph.D.

Head and neck medicine

- Oral microbiome and the influence of periodontal disease on overall health
leader: doc. MUDr. Vladimíra Radochová, Ph.D.
- Stem cells of dental marrow group
leader: prof. MUDr. Jakub Suchánek, Ph.D.
- RegStom group
leader: prof. MUDr. Jakub Suchánek, Ph.D.
- Otorhinolaryngology Research Group
leader: prof. MUDr. Viktor Chrobok, CSc., Ph.D.

Neurosciences

- Analysis of standing and gait
leader: doc. MUDr. Oldřich Vyšata, Ph.D.
- Pharmacotherapy in psychiatry
leader: prof. MUDr. Jiří Masopust, Ph.D.
- Neurosciences
leader: prof. Ing. Jan Kremláček, Ph.D.
- Neuroradiology and non-vascular interventions
leader: doc. MUDr. Pavel Ryška, Ph.D.
- Effect of anaesthetics on the CNS
leader: doc. MUDr. Vlasta Dostálová, Ph.D., MBA
- Cerebrovascular Disease Research Group
leader: prof. MUDr. Roman Herzig, Ph.D., FESO, FEAN
- Pituitary Pathology Treatment Research Group
leader: doc. MUDr. Tomáš Česák, Ph.D.
- Spinal cord injury and subarachnoid hemorrhage treatment research group
leader: MUDr. Jaroslav Adamkov, Ph.D.
- Glioblastoma Pathophysiology and Treatment Research Group
leader: MUDr. Petr Krůpa, Ph.D.

Oncology and haematology

- Haematological lymphoid malignancies
leader: prof. MUDr. Lukáš Smolej, Ph.D.

- Haematological myeloid malignancies
leader: prof. MUDr. Pavel Žák, Ph.D.
- Modern techniques of external beam radiotherapy and brachytherapy
leader: prof. MUDr. Jiří Petera, Ph.D.
- Monoclonal gammopathy
leader: doc. MUDr. Jakub Radocha, Ph.D.
- Neoncolological haematology
leader: doc. MUDr. Petr Dulíček, Ph.D. , MUDr. Milan Košťál, Ph.D.
- Supportive and palliative care
leader: prof. MUDr. Stanislav Filip, Ph.D.
- Predictive and prognostic factors in cancer treatment
leader: doc. MUDr. Milan Vošmik, Ph.D.

Perinatology and pediatrics

- Neonatology
leader: vedoucí: MUDr. Jan Malý, Ph.D.
- Paediatric gastroenterology
leader: MUDr. Jan Melek
- Paediatric endocrinology and diabetology
leader: MUDr. David Neumann, Ph.D. ; MUDr. Kateřina Krylová, Ph.D.
- Paediatric nephrology
leader: doc. MUDr. Sylva Skálová, Ph.D.
- Pediatric Surgery and Traumatology
leader: MUDr. Radek Štichauer, Ph.D.

Musculoskeletal system and dermatology

- Dermatology
leader: doc. MUDr. Jarmila Čelakovská, Ph.D.
- Rehabilitation in medicine
leader: MUDr. Libuše Smetanová, Ph.D.
- Synthetic biomaterials in bone defect healing
leader: prof. MUDr. Pavel Šponer, Ph.D.
- Systemic connective tissue diseases
leader: doc. MUDr. Tomáš Soukup, Ph.D.

Preventive Medicine

- Preventable diseases
leader: prof. MUDr. Lenka Borská, Ph.D.
- General Practice and Public Health, Epidemiology and Vaccinology
leaders: doc. MUDr. Svatopluk Býma, CSc. , prof. MUDr. Roman Prymula, CSc., Ph.D.
- Psychosocial Issues and Ethics
leader: doc. PhDr. Jana Marie Havigerová, Ph.D.
- Quality of life studies
leader: Mgr. Eva Vachková, Ph.D.
- Aging research
leader: MUDr. Pavel Borský, Ph.D.

Respiratory and cardiovascular system

- Angio - stent grafts, strokes, venous inputs, TIPS
leader: doc. MUDr. Jan Raupach, Ph.D.
- Cardiology - interventional cardiology; imaging methods; heart failure
leader: doc. MUDr. Petr Pařízek, Ph.D.
- Cardiosurgery clinical research
leader: prof. MUDr. Jan Vojáček, Ph.D.
- Respiratory diseases
leader: doc. MUDr. Vladimír Koblížek, Ph.D.
- Microcirculation neurosurgical anesthesia
leader: doc. MUDr. David Astapenko, Ph.D., MBA

Development and evaluation of medicines and materials

- Materials
leader: doc. RNDr. Aleš Bezrouk, Ph.D.
- Experimental Hepatology and Mitochondrial Physiology
leader: doc. MUDr. Otto Kučera, Ph.D.
- Hepatic Pharmacology - LivPharm
leader: prof. MUDr. Stanislav Mičuda, Ph.D.
- Cardiovascular Pharmacology - CardioTox In Vivo
leader: doc. PharmDr. Martin Štěřba, Ph.D.

- Clinical Pharmacology - ClinPharm
leader: doc. Ing. Jaroslav Chládek, Ph.D.
- Toxicology
leader: prof. Ing. Zdeněk Fiala, CSc.
- Research on candidate anticancer drugs and experimental oncology
leader: prof. MUDr. Martina Řezáčová, Ph.D.
- Mass spectrometric analysis laboratory: PharmaMassSpec
leader: doc. Ing. Miloš Hroch, Ph.D.
- Cell Biology and Oncology Research Group
leader: prof. PharmDr. Emil Rudolf, Ph.D.

General Surgery and Oncosurgery

- Vascular Surgery and Transplantology
leader: doc. MUDr. Igor Guňka, Ph.D.
- Surgery of the esophagus and stomach
leader: doc. MUDr. Petr Lochman, Ph.D.
- Surgery of the pancreas, liver, and spleen
leader: doc. MUDr. Filip Čečka, Ph.D.
- Colorectal surgery
leader: prof. MUDr. Jiří Páral, Ph.D.
- Plastic Surgery
leader: MUDr. Aleš Fibír, Ph.D.
- Traumatology
leader: MUDr. Jan Trlica, Ph.D.

Digestive and Uropoietic Tract, Clinical Nutrition and Metabolic Care, Diabetology, Endocrinology and Geriatrics

- Endocrinology
leader: doc. MUDr. Filip Gabalec, Ph.D.
- Clinical and experimental gastroenterology, hepatology, gastrointestinal endoscopy
leader: doc. MUDr. Ilja Tachecí, Ph.D.
- Clinical nutrition
leader: prof. MUDr. Luboš Sobotka, CSc.
- Metabolic diseases
leader: prof. MUDr. Vladimír Blaha, CSc.
- Nephrology
leader: doc. MUDr. Roman Šafránek, Ph.D.
- Non-vascular interventions in the abdomen, pelvis and chest
leader: doc. MUDr. Petr Dvořák, Ph.D.
- Urology
leader: prof. MUDr. Miloš Broďák, Ph.D.