BIOMEDICAL CENTER MARTIN
Successes and Challenges within European Research Area
BIOMEDICAL CENTER MARTIN

VISION

CREATING AN EXCELLENT RESEARCH WORKPLACE FOCUSED ON STRATEGIC RESEARCH AREAS IN MEDICINE – NEUROSCIENCES, MOLECULAR MEDICINE, ONCOLOGY AND RESPIROLOGY.
The workplace is a representative example of efficient use of financial resources and interconnection between research and practice, and represents intellectually stimulating modern space with new approaches, technological procedures, methodologies and unique equipment of laboratories.

The aims of the centre are:

- to capture the progressive trends in science
- to promote concentration of scientific teams
- to avoid the inefficiency and fragmentation in research
- to ensure a close connection between experimental results and their application in clinical practice
- to strengthen the position of JFMED CU both in domestic as well as international context.
RESEARCH IS FOCUSED ON:

DISEASES OF THE CENTRAL AND PERIPHERAL NERVOUS SYSTEM

A COMPREHENSIVE STUDY OF THE STRESS RESPONSE

CHRONIC COUGH

VISCERAL PAIN
RESEARCH IS FOCUSED ON:

THE PHARMACODYNAMIC AND PHARMACOKINETIC PROPERTIES OF NEW DRUGS AFFECTING RESPIRATORY DISEASES AND DISORDERS ASSOCIATED WITH IMPAIRED CILIA KINETICS OF THE RESPIRATORY SYSTEM

THE ROLE OF LUNG SURFACTANT WITH AN EMPHASIS ON NEONATAL AGE

ROLE OF NITROGENE MONOXIDE IN THE RESPIRATORY SYSTEM
FOCUS ON TRANSLATIONAL CANCER RESEARCH

IDENTIFICATION OF TARGETS FOR MOLECULAR DIAGNOSTICS AND DEVELOPMENT OF NEW METHODS OF MOLECULAR DIAGNOSTICS FOR E.G. THERAPY PREDICTION, EARLY CANCER DETECTION, CANCER PREDISPOSITION GENES USING NEXT-GENERATION SEQUENCING APPROACHES (NGS) ARRAY, COMPARATIVE GENOMIC HYBRIDIZATION (aCGH) AND DROPLET DIGITAL PCR.

TREATMENT RESISTANCE RESEARCH AND IDENTIFICATION OF RESISTANCE FACTORS IN TARGETED THERAPY AND CHEMOTHERAPY
RESEARCH IS FOCUSED ON:

INTEGRATION OF THE MOST MODERN MOLECULAR METHODS IN DIAGNOSIS OF CARDIVASCULAR DISEASES

MOLECULAR IDENTIFICATION AND SPECIFICATION OF PATIENTS

MONITORING GENETIC NATURE OF PERINATAL DISEASE

DNA ENGINEERING

GUIDED TISSUE REGENERATION
BIOMEDICAL CENTER MARTIN

Regular seminars of Biomed Divisions and Science café sessions informal presentation and discussion
BIOMEDICAL CENTER MARTIN

INTERNATIONAL COOPERATION

Vitebsk State Medical University, The Republic of Belarus

Nativita, The Republic of Belarus

The University of Adelaide, Australia

Taipei Medical University, Taiwan, The Republic of China

Dankook University (DKU), The Republic of Korea

Joint Institute for Nuclear Research, Dubna, Russian Federation
THANK YOU FOR YOUR KIND ATTENTION