National Pirogov Memorial Medical University, Vinnytsya

Laboratory of Experimental Neurophysiology

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Laboratory of Experimental Neurophysiology is a part of the National Pirogov Memorial Medical University and affiliated with the Department of Human Physiology.

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Focus of research:

• Organization of cortical program for operant movements during motor learning
• Neural basis of addiction
• Role of dopaminergic system
• Role of amygdala in the context of food behavior and motor program organization
• Preclinical testing of novel drugs for cardiovascular complications
• Autonomic reflexes during motor learning
• Detectors using pose control for public security and driver safety
**Used techniques:**

- Multichannel electrophysiology
- Stimulation
- Immunohistochemistry (FOS, NOS)
- EEG
- ECG
- Local potentials recordings from myocardiocytes
- Wireless heart rate monitoring
- Behavioral tests
- Recordings of physiological parameters (pose control) in human
Publications: