

Yelena V. Dunina Barkovskaya

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PROFESSIONAL SKILLS

Teaching Anatomy and Physiology; general & medical physiology in medical school; DNA extraction from tissue samples, PCR and cloning techniques, DNA sequencing techniques;
Micro-physiological experiments: microelectrode-assisted records of cells in brain slices; Clinical EEG and evoked potentials in human subjects;
Computer-assisted data analysis (MEGA, PAUP, Sequencher, Vector NTI); nucleic acid and protein search; computer literature search, statistical analysis; programming (SQL, perl, Pascal) Matlab, Minitab; computer simulation of biological processes.

PROFESSIONAL PROFILE

Biology:	Genetics, Molecular Evolution, Ecotoxicological and Phylogenetic studies
Physiology:	Human and Animal Physiology, Physiology of Neural System
Psychology:	Perception and Behavior Science
Programming	Development and support of ETL routines ETL (extract, transform and load the data) design, mapping in DataStage and Informatica

EDUCATION

MS, Texas Tech University; Specialization: Biology.
MS, Moscow State University; Specialization: Physiological Psychology.

PROFESSIONAL EXPERIENCE

Adjunct Biology Faculty Richland College, DCCCD
Research and Teaching Associate Moscow Medical Stomatological Academy, Physiology Department
Ph.D. student, Research Assistant Dept. of Physiology, TTUHSC
Research Assistant Department of Biological Sciences, Texas Tech University (Lubbock, TX);