


PETROVA IRINA

University	Lobachevsky National Research State University of Nizhny Novgorod
Level of English proficiency	
Educational program and field of the educational program for which the applicant will be accepted	5.4. Sociology 5.4.6. Sociology of Culture
List of research projects of the potential supervisor (participation/leadership)	<ul style="list-style-type: none"> - Interdisciplinary Analysis of Students' Creativity (Sociology, Psychology, Neurosociology) - Sociology of Culture and Digital Society - Social activity of the population in the transformation of urban space: analysing the digital footprint of 'professional citizens' - Family Education: Children's and Parents' Participation in the Choice of Form of Education - Volunteering: typology of youth activity according to the digital footprint
List of the topics offered for the prospective scientific research	<p>Digital youth policy: increasing access to youth participation in governance practices</p> <p>Sociocultural design: public celebration as a segment of youth cultural consumption</p> <p>Digital inequality as a socio-cultural factor in the development of modern society</p> <p>Creative mentoring in the educational space</p> <p>Acceleration of creativity in higher education: mass or elitism?</p> <p>Labour employment in religiously oriented NPOs: values-based management</p> <p>Self-Organisation in the Process of NPO Creation: Leadership Values</p> <p>Social Mechanisms of Regulation of Artificial Intelligence Development</p>
 <p>Research supervisor: Petrova Irina Doctor, Sociological Sciences (Lobachevsky University)</p>	Political and international relations
	<p>Research interests include</p> <ol style="list-style-type: none"> 1. interdisciplinarity in sociology: combining methods of different sciences (sociology, psychology, cyberpsychology, big data analysis based on the study of a person's digital footprint) for the most complete study of social phenomena and processes 2. development of neurosociology as a scientific direction: objectification of human subjective attitudes through analysis of psychophysiological states and collection of data on human attitudes to processes 3. socio-cultural analysis of the process of digitalisation of modern society - aggravation of digital inequality, digital compulsion of people to receive services through portals, analysis of socio-cultural factors of formation of a modern digital citizen 4. study of creativity as a basic factor of individuality, the possibility of developing creative competence in higher education for all students, and acceleration for the most creative ones.
	<p>Research highlights</p> <p>Interdisciplinarity of the study is supported by modern methods of data collection, processing and analysis:</p>

	<p>1. modern software is used in the training process: the PolyAnalyst system of intellectual data analysis, the development of Nizhny Novgorod scientists for content analysis of text arrays Lekta</p> <p>2. the opportunity to master the work with neuroheadsets is provided: mobile workstation of the Neurobarometer hardware-software complex.</p> <p>3. the postgraduate student will be involved in the full cycle of problem formulation, creation of tools and carrying out complex interdisciplinary research on his/her topic</p> <p>Supervisor's specific requirements Knowledge of modern software products for analysing textual, numerical and network data in open sources is desirable: Python, Gephi, Orange Lack of these skills is not a barrier to programme mastery</p> <p>Supervisor's main publications 1. I. A. Isakova, I. E. Petrova, I. V. Sitnikova Interdisciplinarity VS interdisciplinarity: opportunities for studying creativity // Public Opinion Monitoring: Economic and Social Change. - 2023. - № 1(173). - C. 310-322. - DOI 10.14515/monitoring.2023.1.2260. 2. Digital career guidance technologies: using virtual reality Demareva V.A., Petrova I.E., Zhukova M.V. Annual Review of CyberTherapy and Telemedicine. 2022. T. 20. C. 131. 3. Gavrilina E.A., Petrova I.E. (Non)human sociology and the power of artificial sociality// Monitoring of public opinion: economic and social changes. 2019. № 2 (150). C. 434-438. The flipped learning at university by social networks: a challenge for e-learning Isidori E., Magnanini A., Fazio A., Leonova I., 4. Petrova I., De Martino M., Sandor I. In: eLearning and Software for Education Conference. 17th. Ser. 'Education and Technology in (Post)pandemic times - 17th International Scientific Conference on eLearning and Software for Education, eLSE 2021' 2021. C. 430-437. 5. Development of neurogarniture for controlling the human condition in the treatment of phobias / V. A. Demareva, V. A. Vyakhireva, I. E. Petrova [et al.] // Bulletin of Psychophysiology. - 2021. - № 4. - C. 37-42. - DOI 10.34985/c6664-9717-7270-g.</p>
	<p>Results of intellectual activity Certificate of state registration of the database No. 2023620984 Russian Federation. Database of complex research of creativity of university students: № 2022624040: avv. 27.12.2022: publ. 24.03.2023 / E. V. Mityagina, I. E. Petrova, I. A. Isakova [et al.]; applicant Federal State Autonomous Educational Institution of Higher Education 'National Research Nizhny Novgorod State University named after N.I. Lobachevsky'. N.I. Lobachevsky National Research Nizhny Novgorod State University. - EDN BSVPIX.</p>