## Potential scientific supervisors: Cognitive Neuroscience and Psychology

| NՉ | Surname    | Name      | University                                    | Scientific interests   | Link to portfolio   |
|----|------------|-----------|---|--|---|
| 1  | Kurkin     | Semyon    | Immanuel Kant<br>Baltic Federal<br>University | Study of processes in the human brain<br>under different types of cognitive load,<br>both normal and pathological, using<br>modern network approaches, methods of<br>nonlinear dynamics and artificial<br>intelligence.  | https://www.researchgate.net/profile/S-Kurkin                             |
| 2  | Hramov     | Alexander | Immanuel Kant<br>Baltic Federal<br>University | Artificial Intelligence and Machine Learning<br>applications in brain research and<br>medicine, creating brain-computer<br>interfaces, developing explainable artificial<br>intelligence (XAI) methods, mathematical<br>modelling processes in spiking neural<br>networks. | <u>https://kantiana.ru/sveden/employees/khramov-aleksandr-evgenevich/</u> |
| 3  | Sautkina   | Elena     | Higher School<br>of Economics<br>(HSE)        | Environmental psychology, psychology of<br>sustainable development, psychology of<br>climate change, social psychology, health<br>psychology, evaluation of programs and<br>policies, complex adaptive systems,<br>mindfulness research                                    | https://aspirantura.hse.ru/en/opend/                                      |
| 4  | Sitdikova  | Guzel     | Kazan<br>University                           | Neuroscience, Ion channels, synaptic<br>transmission, gasotransmitters, electrical<br>activity of the brain in vivo, myocardial<br>contractility and smooth-muscle cells,<br>neurodegenerative disorders   | https://kpfu.ru/Guzel.Sitdikova&p_lang=2                                  |
| 5  | Solobutina | Marina    | Kazan<br>University                           | personality psychology, psychological counseling, educational psychology   | https://kpfu.ru/Marina.Solobutina?p_lang=2                                |

| N⁰ | Surname                   | Name     | University  | Scientific interests   | Link to portfolio   |
|----|---------------------------|----------|---|--|---|
| 6  | Chernov                   | Albert   | Kazan<br>University   | Psychology of mental states, psychology of cognitive processes, psychology of consciousness, psychology of reflection and metacognitive processes  | https://kpfu.ru/Albert.Chernov?p_lang=2                         |
| 7  | Yakovlev                  | Aleksey  | Kazan<br>University   | Hippocampal ontogenesis, synaptic<br>transmission, ion channels in the CNS,<br>gaseous mediators, neurodegenerative<br>diseases  | https://kpfu.ru/Aleksey.Yakovlev?p_lang=2                       |
| 8  | Demareva                  | Valeriia | Lobachevsky<br>State University<br>of Nizhni<br>Novgorod<br>(UNN) | Psychophysiology of human states and cyberpsychology   | http://eng.unn.ru/images/Open_Doors/DEMAREVA.pdf                |
| 9  | Novikova                  | Irina    | People's<br>Friendship<br>University of<br>Russia (RUDN)          | Personality and Social Psychology, Cross-<br>Cultural Psychology   | https://eng.rudn.ru/science/rudn-scientists/irina-<br>novikova/ |
| 10 | Pavlov                    | Yurii    | Ural Federal<br>University  | The role of alpha activity in working<br>memory<br>Factors for external and internal<br>motivation to exert effort<br>Determinants of individual differences in<br>working memory                    | https://urfu.ru/index.php?id=31169                              |
| 11 | Gryazeva-<br>Dobshinskaya | Vera     | South Ural State<br>University                                    | Psychological resources of creative and<br>innovative leadership<br>Resources of stress tolerance and<br>creativity in the conditions of information<br>stress<br>Psychology of the impact of cinema | https://www.susu.ru/en/vera-gryazeva-dobshinskaya               |
| 12 | Rylskaya                  | Elena    | South Ural State<br>University                                    | Factors, determinants, predictors of<br>human viability.<br>Human viability in a digital society (viability<br>and Internet addiction, viability and virtual   | https://www.susu.ru/en/elena-rylskaya                           |

## LIST OF POTENTIAL SCIENTIFIC SUPERVISORS

| Nº | Surname | Name | University | Scientific interests  | Link to portfolio |
|----|---------|------|------------|---|-------------------|
|    |         |      |            | identity).<br>Predictors of the viability of a professional<br>(using the example of various types of<br>activity). Technologies for the<br>development of human vitality |                   |