

## Editorial: Introducing a New Interdisciplinary Forum

It is generally recognized that the integration of knowledge acquired from different biomedical areas is the only way to succeed when optimizing preventive measures and patient care. Significant achievements have been made in personalized and translational medicine and almost all of them resulted from interdisciplinary studies. Notably, neurological research is usually performed not only by neurologists or related medical specialists, but also by an appreciable number of specialists from the fields of molecular and cell biology, neuroscience, medical genetics, genomics, bioinformatics, psychology etc. Consequently, understanding the etiology of neurological diseases has been appreciably changed through the last three decades. As a result, concepts in neurological epidemiology have been subjected to changes, as well.

Traditional approaches consider specific diseases, using data obtained from populations to investigate the factors related to the disease of interest. In addition, relevant data should include patient's characteristics, history and social status and the characteristics of other people without the disease. Once obtaining these data, further studies of a more personalized nature are to be performed. For the successful accomplishment, these studies have to be conducted by an extended number of specialists, who are aimed at delineating disease causes (endogenous and exogenous). The result of such a translational investigation is the development of effective therapies, patient care and prevention, which conceptually change the landscape of medical practice. Applying these concepts to neurological diseases, undoubtedly leads to a more precise definition of pathogenetic mechanisms of nervous system pathology in each individual case. Thus, researchers and practitioners around the world do require to have a growing number of opportunities to share their data.

To highlight the progress in neurology and epidemiology, a new forum — ***Journal of Neurology and Epidemiology*** — is opened. Since our understanding of processes underlying the pathogenesis of neurological diseases changes rapidly, a need for a place to share current knowledge about molecular, cellular and physiological basis of brain dysfunctions as well as their population distributions certainly exists. Despite of numerous opportunities to present data on neurology and epidemiology, multilateral coverage of molecular, cellular, physiological, psychological and clinical aspects of neurological diseases with special attention to epidemiology is occasional in the available literature. Therefore, ***Journal of Neurology and Epidemiology*** is likely to take a unique place among scientific journals dedicated to different aspects of neurology and applied neuroscience.

As it is pointed out in journal's aims and scopes, ***Journal of Neurology and Epidemiology*** is devoted to extensive continuum neurology. Importantly, this forum is focused on new thoughts (ideas), findings and experience that are able to change the vision of excellence in neurology. The definition of the nature and strength of the interrelationships between different factors and the occurrence of disease would be the main focus of the journal. Since epidemiological research is devoted to establishing the causes, mechanisms, and natural history of illness, it would be pertinent to gather results of neurological and epidemiological research for providing alternative views on brain diseases in its widest sense. It is to note that similar idea has not ever been used as a basis for a scientific journal.

The **Editorial Board** of ***Journal of Neurology and Epidemiology*** includes well-known experts in different areas of clinical and molecular (neurological and epidemiological) brain research. As one can see, the **Editorial Board** is truly international granting the submissions from all around the world. Numerous researchers have limited opportunities to describe local specificity of neurological and epidemiological studies in their countries. ***Journal of Neurology and Epidemiology*** is able to fill this gap in biomedical literature providing its readers with hard-to-find interdisciplinary knowledge.

The process of manuscript processing in ***Journal of Neurology and Epidemiology*** grants high quality content. This is mainly achieved through a system of in-depth review by our qualified reviewers, which are oriented rather to "author-friendly" suggestions than to equivocal criticism. The journal's policy is to combine efforts for publishing high quality articles through the improvement of the manuscript, but not through continuous rejections to the author's submissions. Fortunately, the members of the **Editorial Board** and potential reviewers correspond to these high standard requirements.

The articles published in the first inaugural issue cover the topics, which are likely to be a kind of landmark for future submissions. However, editors of ***Journal of Neurology and Epidemiology*** would be happy to consider other topics including those, which are able to motivate a proposal of a special journal issue.

Finally, we hope that ***Journal of Neurology and Epidemiology*** will become attractive for sharing data and ideas among a wide audience of scholars, practitioners and researchers. To this end, it is a great pleasure to invite colleagues working in the fields of neurology and epidemiology (and all the related biomedical areas) to gather their efforts with the editors for providing a new prestigious interdisciplinary forum.

**Ivan Y Iourov**

*Editor-in-Chief,*

Laboratory of Molecular Brain Genetics  
Mental Health Research Center,  
Russian Academy of Medical Sciences,  
Institute of Pediatrics and Children Surgery,  
Ministry of Health of the Russian Federation,  
Zagorodnoe sh. 2; 117152 Moscow,  
Russia

Tel: 7495-9528990;

Fax: 7496-9528940;

E-mail: [ivan.iourov@gmail.com](mailto:ivan.iourov@gmail.com)