

# Novel Scientific Area or Era

## New Perspectives and First Year...

*“The most realistic guidance is the science and technique for the materialistic and metaphysical affairs, success, life, and for everything in the world. Seeking for another guidance other than science and technique is the ignorance and deviation from the reality”*

ATATÜRK (1881-1938)  
*Founder of the Turkish Republic*

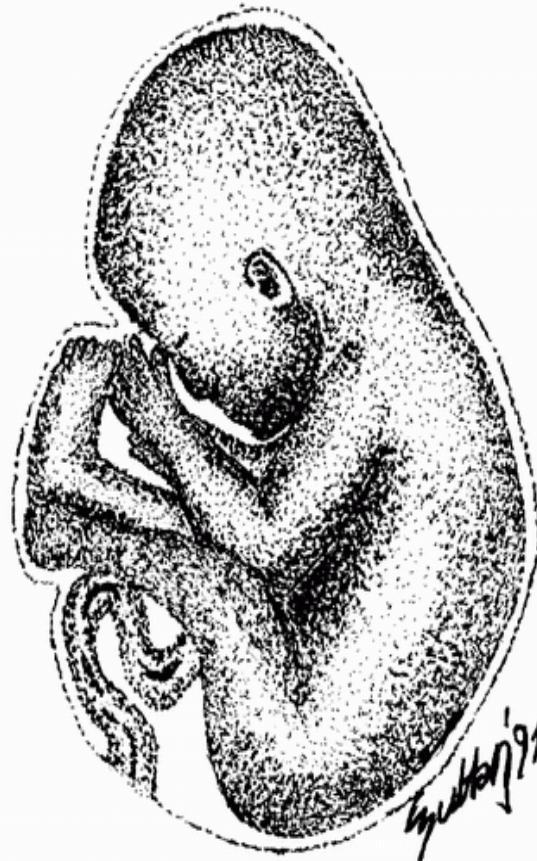
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About 20 years ago astronomers became convinced that distant galaxies were moving in ways that made no sense, given the laws of gravity and the fabric of celestial objects visible in the sky. Gradually they were forced to conclude that the universe is not empty as it appears, that in fact it must be dominated by some dark kind of matter. A similar revelation is now unfolding in NeuroQuantology.

The theory of quantum mechanics was formulated in the first quarter of the 20<sup>th</sup> century, a development that was closely connected with the confirmation that matter is made of atoms. The equations of quantum mechanics require that certain quantities, such as the energy of atom, can come only in specific, discrete units. Quantum theory successfully predicts the properties and behavior of atoms and the elementary particles and forces



that compose them. No theory in the history of science has been more successful than quantum theory. It underlies our understanding of chemistry, atomic and subatomic physics, electronics and even neurobiology.

There are still many very basic questions that we don't feel have been answered, not to our satisfaction. When we do have that idea, I believe that it will be like a beacon shining down; it will illuminate the edifice, and it will also, I believe, give answers to critical questions that remain unsolved.

The first issue of the NeuroQuantology (*An Interdisciplinary Journal of Neuroscience and Quantum Physics*) appeared in the April 2003. NeuroQuantology is still in the developmental stage, but if we can switch it on, it will be a candle whose light will illuminate a path toward the globalization of neuroscience and quantum physics. NeuroQuantology's goal is to provide the best interdisciplinary approach between neuroscience and quantum physics. NeuroQuantology is a novel electronic journal dedicated to supporting the interdisciplinary exploration of the nature of quantum physics and its relation to the nervous system.

The present journal is a non-profit scientific electronic journal without any organizational relations and published quarterly per year. In the last 10 years a remarkable increase of articles and conferences in the area of NeuroQuantology is noticed. However, such kinds of articles are not properly gathered in a single journal. Above mentioned gap in this field enabled us to publish such a journal. We hope that NeuroQuantology will aid in gathering such data in the specific journal. Today NeuroQuantology is the only single journal which deals with the relationship between quantum physics and neuroscience.

New scientific journals commonly meet a need spawned by novel methods or by the opening up of a fresh field to experimental investigation. NeuroQuantology is a clear exception. There is as yet no agreed method for studying NeuroQuantology, nor even any consensus that it is yet amenable to scientific investigation. This new journal has emerged, rather, from a change in the Zeitgeist: Quantum Physics and Neuroscience era. The NeuroQuantology revolution came when these scientists realized that the best hope for understanding the workings of the brain came from an interdisciplinary approach, combining the traditional approaches to yield a new synthesis, a new perspective.

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NeuroQuantology receives over 2-3 new manuscripts a month. More than 50% of the manuscripts are sent out for review. Our editorial board members review over 30% of submitted papers and assist the Editors in difficult decisions on many more. All

full-length original articles are sent to two referees. Most of the papers re-review by the initial reviewers after the manuscript has been revised. The number of submissions to NeuroQuantology continues to increase every month. This year, we anticipate revising over 30 submissions. Approximately 80% of all submissions are accepted for publication. The

quality of the journal depends upon the generosity of our reviewers. Reviewers do their work anonymously, with their primary reward being their contribution to the quality of the scientific literature in our field.

What of the future? We believe that this multidisciplinary nature is its strength, and indeed we hope to foster increased submissions in neuroscience and quantum physics. We hope to raise the international profile of the journal and to this end there will be changes in the balance of the editorial team and details of this will follow in future issues. Important new features with this issue of NeuroQuantology there are many important changes in the journal: increase frequency of publication and changes online electronic version of NeuroQuantology. In 2004, we are increasing our frequency by 50%, and will publish six rather than four issues per year. This increase in the number of issues has many benefits. It will shorten the publication delay. *Landmark articles* from other journals will be republished. Also, we will publish *NQ-images*, NeuroQuantology has many facets that can be captured in an image.

New editorial board members will added in 2004. The distinguished scientist, Dr.Danko Georgiev, has been appointed to the co-editor of NeuroQuantology. All reviewers are highly regarded authorities in their perspective fields and all have been reliable reviewers for NeuroQuantology. We wish now to thank all of our Editorial Board members, present and past, for their support, energy, and time in establishing the NeuroQuantology and continuously improving the quality and rigor of our publication. Another very important group that deserves our deepest gratitude is the reviewers of our journal articles, without whose participation the journal would have never improved. We shall always be indebted to your unselfish contributions to the review process.

NeuroQuantology has multiple missions. Its major goal is to scientific-reliable journal. We also want NeuroQuantology to serve as a forum for arising of opinion and controversy. NeuroQuantology is the first and unique journal in its field. If the improvements in this subject during the last 15 years are considered, it is obvious that the future of this journal would be promising. As well as the novel term NeuroQuantology would be more commonly heard within the interested population. Perhaps in the future we will encounter with scientists specialized as *Neuroquantologist*.



*We shall not cease from exploration  
And the end of all our exploring  
Will be to arrive where we started  
And know the place for the first time*  
T.S.Eliot, Four Quartets. "Little Gidding"

"The progress of Science consists in observing interconnections and in showing with a patient ingenuity that the events of this ever-shifting world are but examples of a few general relations, called laws. To see what is general in what is particular, and what is permanent in what is transitory, is the aim of scientific thought."

—Alfred North Whitehead