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# Editorial: The Future Of Neuromonitoring

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## Abstract

Our knowledge about the brain, the most complex human organ, has grown explosively. Brain research, including neuromonitoring, is developing into the leading science of the 21st century.

Innovation is the key to progress in neuromonitoring. Revolutionary advances in basic neuroscience together with improvements in electrophysiological recording techniques –for example for amplification of the electrical activity directly on the surface of the scalp - is essential for noninvasive monitoring of brain signals.

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Recording and processing brain-specific signals is an ever-changing science. The new possibilities - such as computer-assisted EEG or evoked potential recordings, transcranial Doppler sonography, near infrared spectroscopy and the

investigation of metabolic and chemical parameters of cerebral function - are of interest to both scientists and clinicians regularly confronted with neuromonitoring.

The core element of “The Internet Journal of Neuromonitoring” is interdisciplinary activity. Besides traditional information, the new journal will strive to present the most relevant and innovative trends in neuromonitoring from basic and clinical research and practice as well as technical advances in neuromonitoring equipment.

In keeping with the trend towards electronic journals on the Internet, we are starting “The Internet Journal of Neuromonitoring” as a new peer-reviewed medium. Our editorial board includes international experts in the field. Our goal is to share ideas, experience and scientific knowledge around the world in the “Century of the Brain”.

## References

**Author Information**

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