

Joint Press Release

For immediate release

***Biomax Informatics and NeuroScios work together
for better CNS clinical trial analysis***

Planegg, Germany and St. Radegund, Austria, 16 March 2022 – Today Biomax Informatics, Planegg, Germany and NeuroScios GmbH, St. Radegund, Austria announced their collaboration for advanced analysis of CNS clinical trials.

Both partners were able to successfully demonstrate the valuable contribution of the neuroimaging software NICARA™ in the context of clinical trials for neurodegenerative disorders. NICARA offers automated processing and integrative ROI-based analyses of surface-based morphometry, DTI tractography and fMRI time series correlations.

Biomax and NeuroScios are presenting at AD/PD meeting 2022 in Barcelona from 15-20 March 2022.

NICARA allows for a detailed region-specific analysis of drug effects using surface-based morphometry of 360 cortical regions of interest (Rechberger et al., 2022). Drug-dependent alterations of brain morphometry can be correlated to clinical parameters, Tau accumulations from PET imaging or even expression of target genes from post-mortem data (Human Allen Brain Atlas) and may lead to extremely powerful biomarkers of neurodegeneration. Moreover, NICARA automatically homogenizes surface-based morphometry with surface-based DTI tractography and fMRI time series correlations enabling a sophisticated structural and functional connectome analysis at unprecedented scale (Chen et al., 2021). In this way, biomarkers of neurodegeneration do not only consider brain atrophy but additionally indicate network decomposition, functional reorganization and potential reserve capacities of the brain enabling the most precise prediction of cognitive decline that is scientifically possible today. Connectome analyses are of particular interest for clinical trials for monitoring synaptotoxicity in Alzheimer's and Parkinson's Disease and the effect of drug candidates such as anti-amyloid antibodies or anti-neuroinflammatory drugs on brain networks and cognition.



“NICARA will be a game changer in the evaluation of clinical trials of drug candidates as completely novel powerful and sensitive biomarkers will become possible. With Biomax, we have found a partner who supports our customers in precisely those areas that have remained unachieved for them until now,” explained Manfred Windisch, CEO and President of NeuroScios.

“We are very pleased that NeuroScios has chosen us as a partner to conduct clinical studies in the field of CNS diseases”, added Dr. Klaus Heumann, CEO of Biomax Informatics. “The associated appreciation of NICARA is a clear signal for us that we create a clear added value for all our customers in the field of clinical trials with this innovative neuroimaging software.”

End of Press Release

About NICARA

NICARA is a unique neuroimaging solution for high quality automated quantitative assessments of the brain derived from neuroimaging. NICARA executes sophisticated processing pipelines consisting of the most validated and precise neuroimaging tools for computing brain morphometry and connectivity available today. The result is a complete measuring of the brain at an unprecedented scale. Read more at www.biomax.com/nicara.

About NeuroScios

NeuroScios is a full service Clinical CRO and drug development consulting company, with a specific focus on neurodegenerative diseases. We have experience in complex clinical trials including different imaging modalities, biomarker analyses and clinical outcome measures.

About Biomax Informatics

Biomax Informatics offers software solutions for better decision-making and optimal knowledge management in the life sciences industry. Using the company’s software, customers can generate added value through the integration of information from their own and public resources, enabling them to achieve a knowledge-based approach for the development of innovative life sciences products. Biomax’s global customers include clinics, companies, and research institutions successful in the fields of research into active substances, diagnostics,



fine chemicals, and food and plant products. The company, which was founded in 1997 and currently has 45 members of staff, is headquartered in Planegg near Munich. Further information can be found at www.biomax.com.

Literature:

Chen X, Wang Y, Kopetzky SJ, Butz-Ostendorf M, Kaiser M. Connectivity within regions characterizes epilepsy duration and treatment outcome. *Hum Brain Mapp.* 2021 Aug 15;42(12):3777-3791. doi: 10.1002/hbm.25464.

Rechberger S, Li Y, Kopetzky S, Butz-Ostendorf M, Increased group segregation in a longitudinal brain morphometry Alzheimer's disease study. *Front Aging Neurosci.* *Endorsed for publication.*

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