

PETER UJMA



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RESEARCH AREA

Electroencephalography, the study of sleep oscillations using scalp and invasive EEG recordings.

The differential psychology and physiology of sleep, the relationship between individual differences in sleep, anthropometric and psychological characteristics.

Intelligence research.

TECHNIQUES AVAILABLE IN THE LAB

- Electroencephalography, polysomnography
- MATLAB and R programming
- Statistical data analysis, multivariate, multilevel and structural equation models

SELECTED PUBLICATIONS

Taji, W., Pierson, R., Ujma, P.P. (2023). Protocol of the Budapest sleep, experiences, and traits study: An accessible resource for understanding associations between daily experiences, individual differences, and objectively measured sleep. *PLoS ONE* **18**(10): e0288909.

Ujma, P.P., Horváth, C.G., Bódizs, R. (2023). Daily rhythms, light exposure and social jetlag correlate with demographic characteristics and health in a nationally representative survey. *Sci Rep* **13**, 12287.

Ujma, P.P., Bódizs, R., Dresler, M., Simor, P., Purcell, S., Stone, K.L., Yaffe, K., Redline, S. (2023). Multivariate prediction of cognitive performance from the sleep electroencephalogram. *Neuroimage* **279**, 120319.

Ujma, P.P., Szalárdy, O., Fabó, D., Erőss, L., Bódizs, R. (2021). Thalamic activity during scalp slow waves in humans. *Neuroimage* **257**, 119325.