

## **Gold Shark Teeth Structures on MEAs - Electroplating of Nano-Structures on Metallic Microelectrodes.**

Köster, P. J., Tautorat, C., Reimer, T., Zwanzig, M., Baumann, W., Gimsa, J., 2010. In A. Stett (Ed.): Conference proceedings of the 7th International Meeting on Substrate-Integrated Microelectrode Arrays. 289–290, BIOPRO Baden-Württemberg GmbH, Stuttgart. ISBN 978-3-938345-08-5. MEA Meeting 2010, 29. June - 02. July. Reutlingen, Germany.

**Abstract:** *To improve the signal quality of MEA chips, we enlarged the electrode surfaces of two different chip types: a glass neurochip with 52 Pt-electrodes and a silicon neurochip with 58 Pd/poly-silicon electrodes. The electrodes were electroplated with gold particles. First results regarding test signal transmission are given in this report.*

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