



Günther Zeck is Head of the Neurochip Research Group at the Natural and Medical Sciences Institute (NMI) at the University of Tübingen. The NMI conducts cutting-edge applied research and development at the interface of the life sciences and materials sciences. The core competencies include biomedical technology and interface technology. The NMI is a non-profit foundation under private law.

Dr. Zeck completed his PhD in biophysics at the Max Planck Institute of Biochemistry in the lab of P.Fromherz, where he electrically stimulated and recorded signals from a synaptically connected neuronal network grown on a silicon chip. After his post-doc at Massachusetts General Hospital, where he investigated information processing in vertebrate retinae, he started his research group in 2010 at the NMI. The Neurochip

Research develops and applies flexible, glass- or silicon based microelectrode arrays for simultaneous electrical stimulation and recording of single neuron activity and of field potentials in various neural preparations (current focus: retina and brain slices). Microelectrode arrays comprising several hundred to thousands of stimulation and recording sites are either fabricated in the NMI clean room facilities or together with cooperation partners.