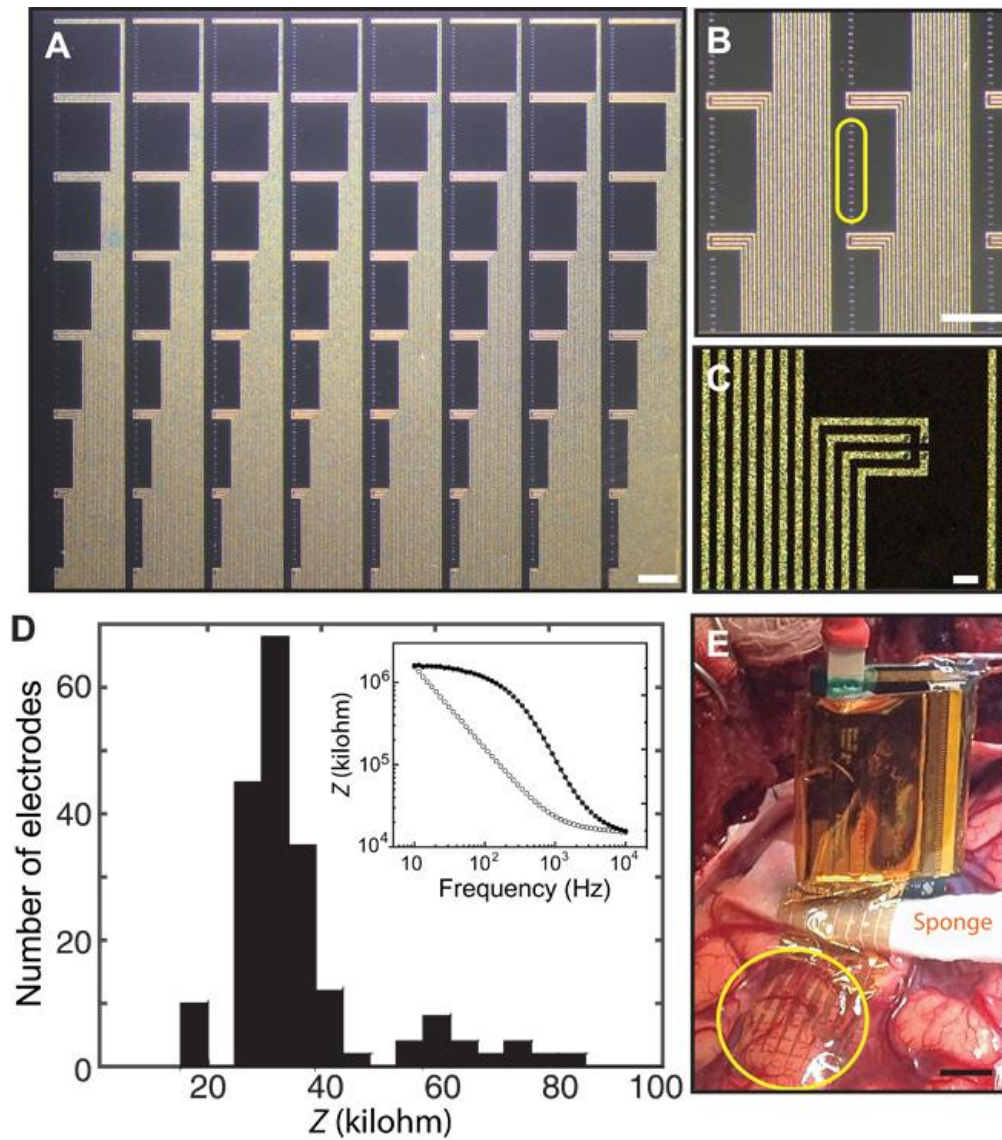


# Organic electronics for high-resolution electrocorticography of the human brain

*by Dion Khodagholy, Jennifer N. Gelinas, Zifang Zhao, Malcolm Yeh, Michael Long, Jeremy D. Greenlee, Werner Doyle, Orrin Devinsky, and György Buzsáki*

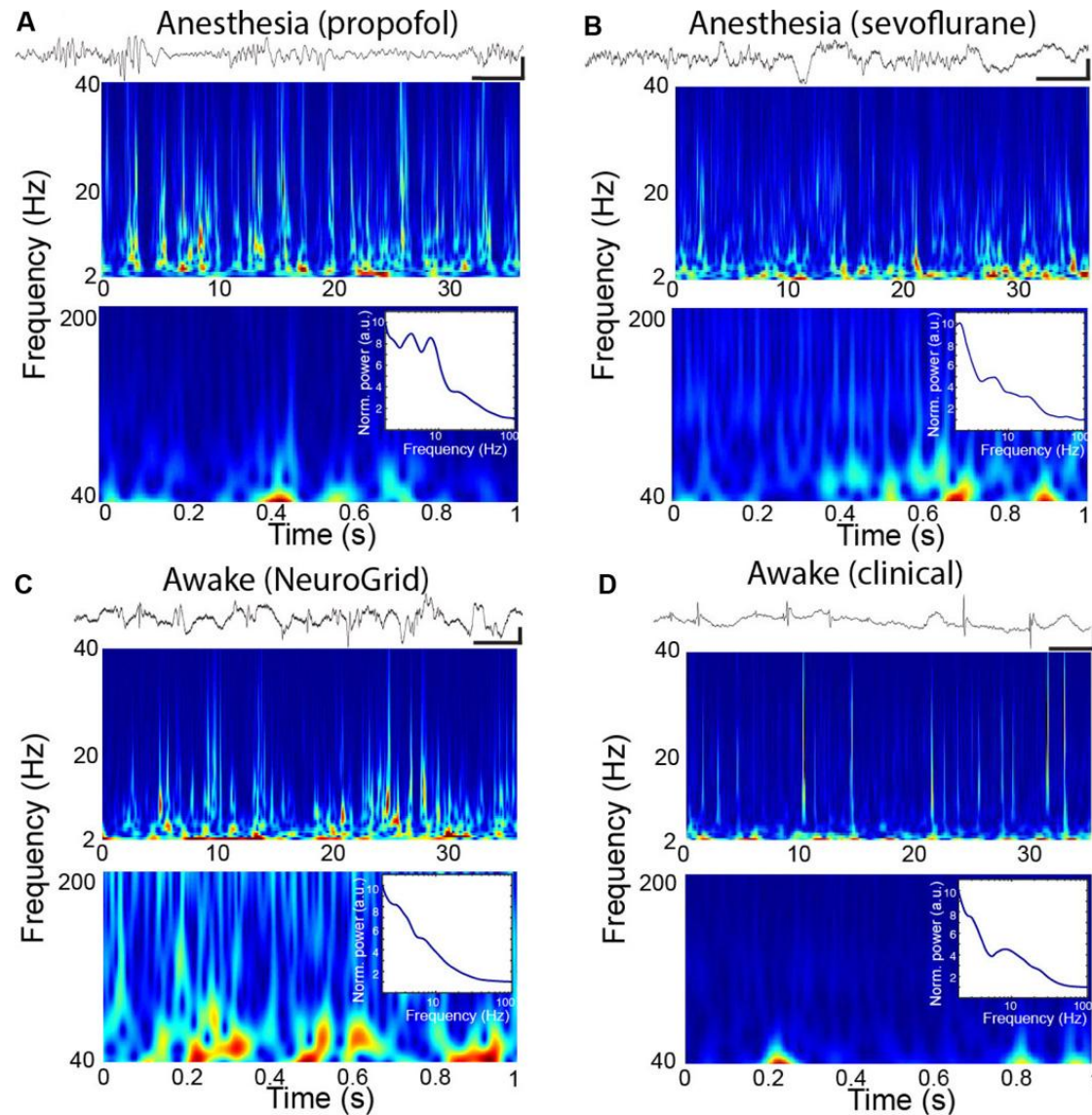
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**Fig. 1 NeuroGrid structure and characterization for intraoperative recording in human subjects.**



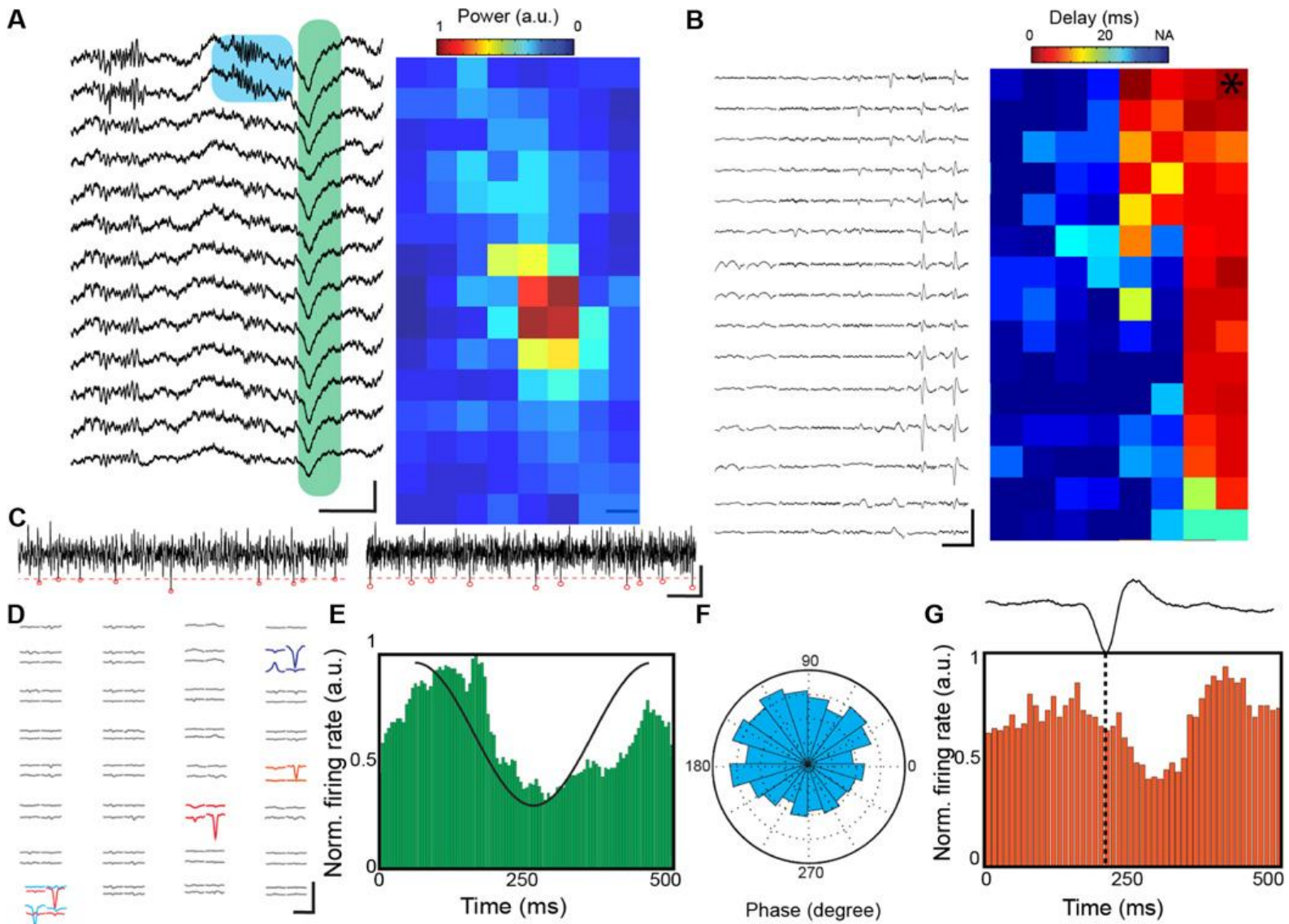
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**Fig. 2 Intraoperative NeuroGrid recordings reveal brain state dynamics in anesthetized and awake human subjects.**



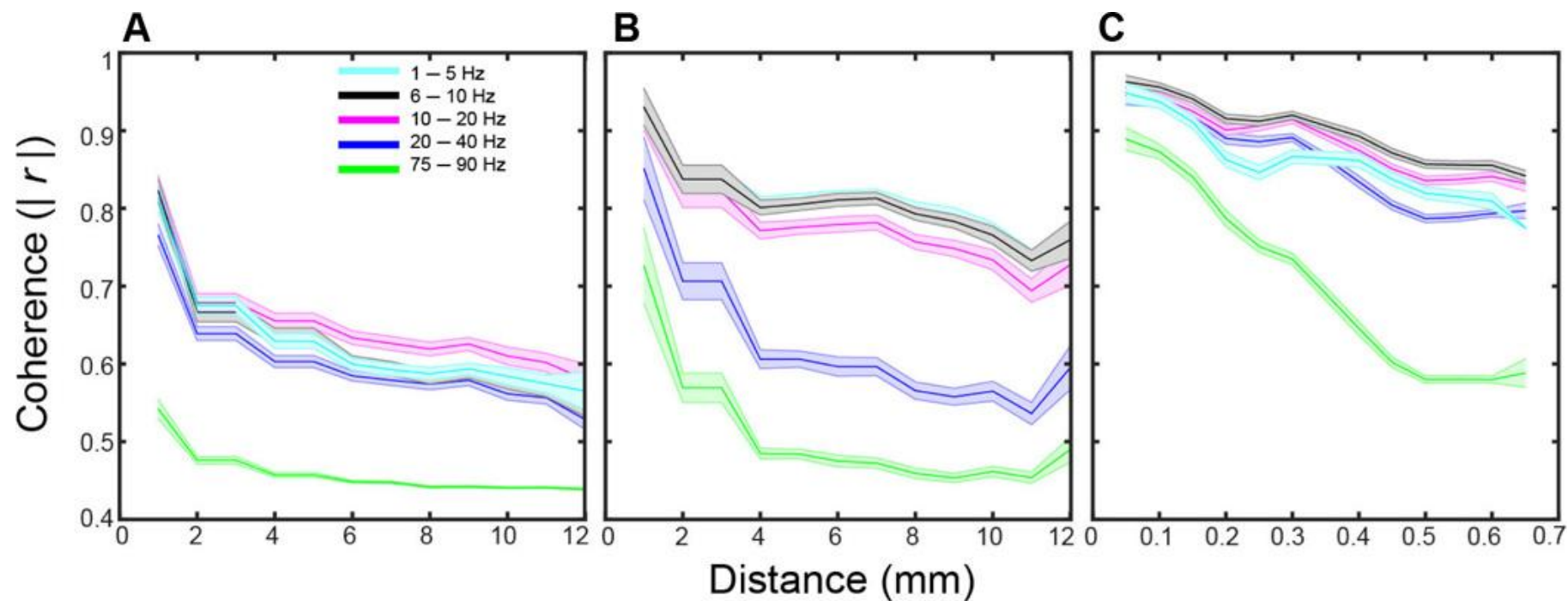
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**Fig. 3 Spatial distribution of localized LFP and neural spiking activity across the NeuroGrid.**



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**Fig. 4 Coherence of neural activity patterns at millimeter and micrometer scales in anesthetized and awake human subjects.**



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