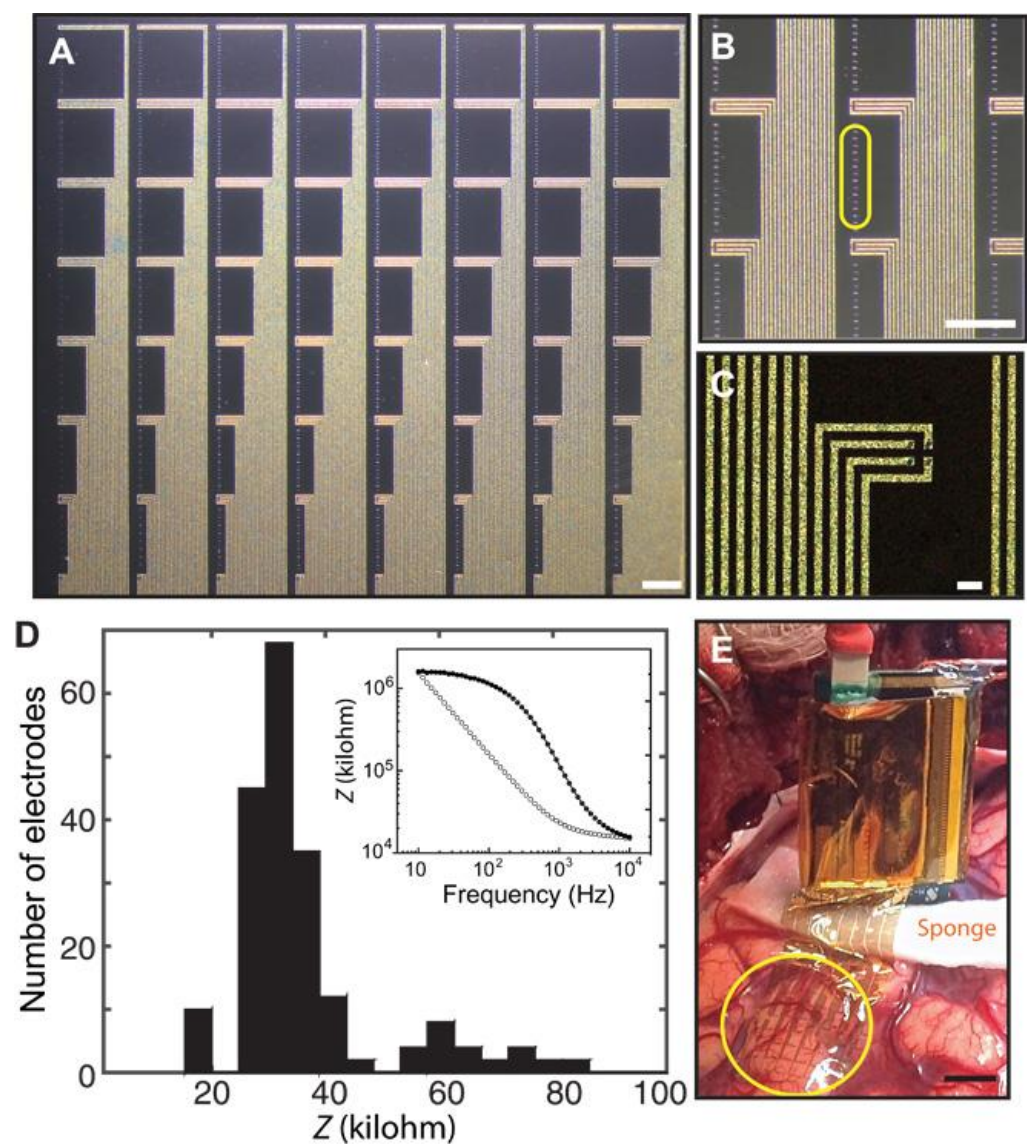


Organic electronics for high-resolution electrocorticography of the human brain

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

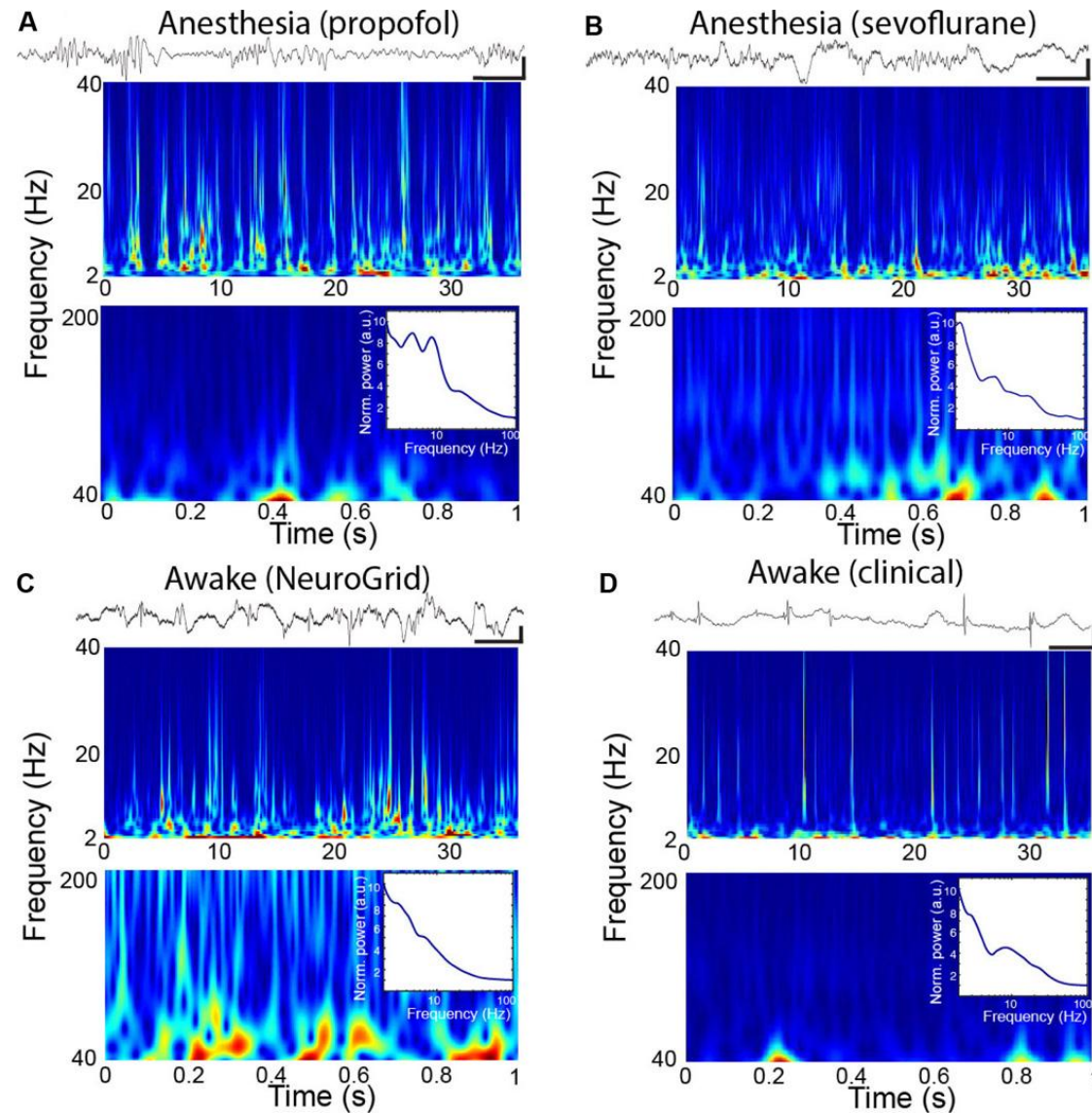
Science
Volume 2(11):e1601027
November 9, 2016

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



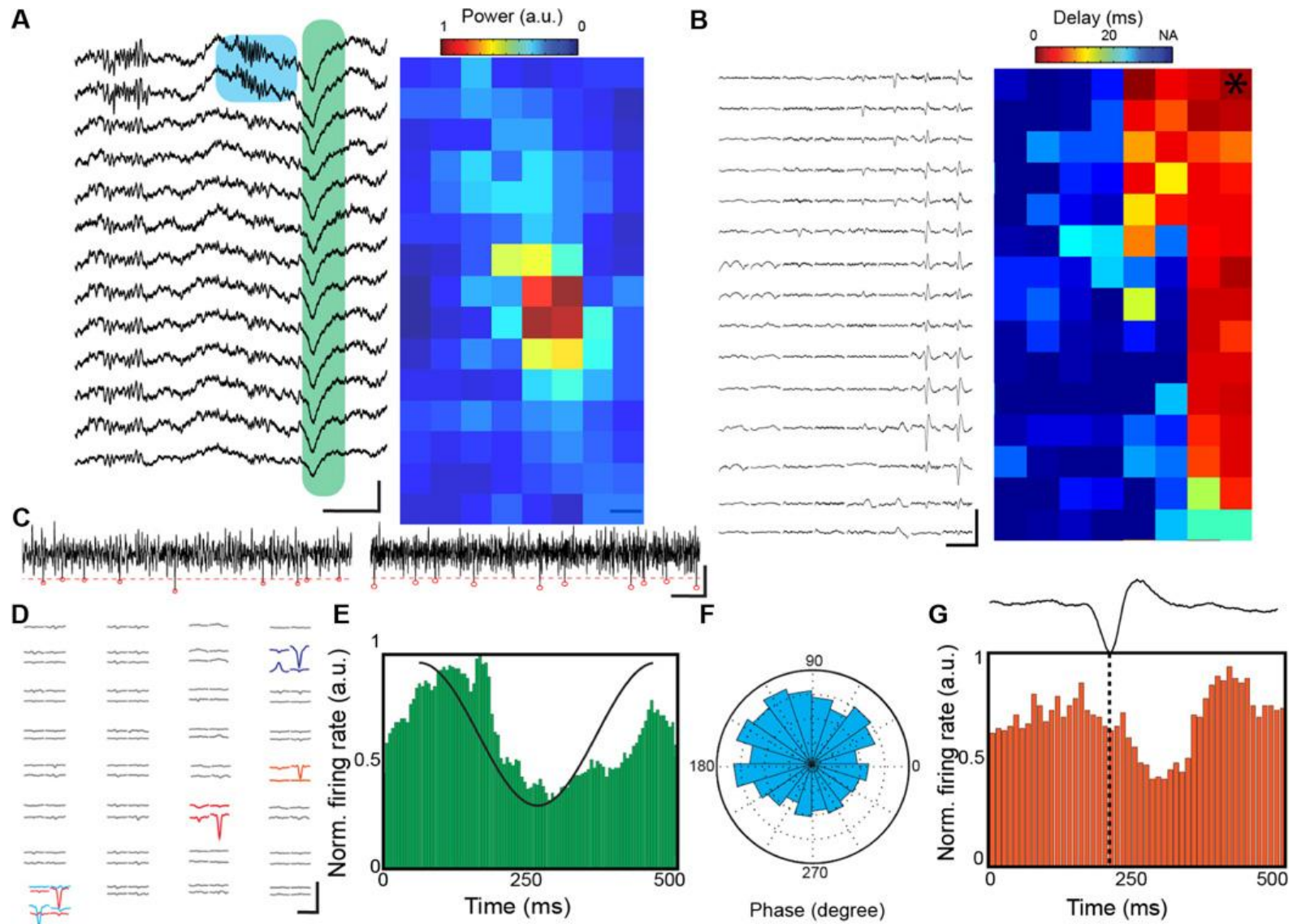
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Fig. 2 Intraoperative NeuroGrid recordings reveal brain state dynamics in anesthetized and awake human subjects.



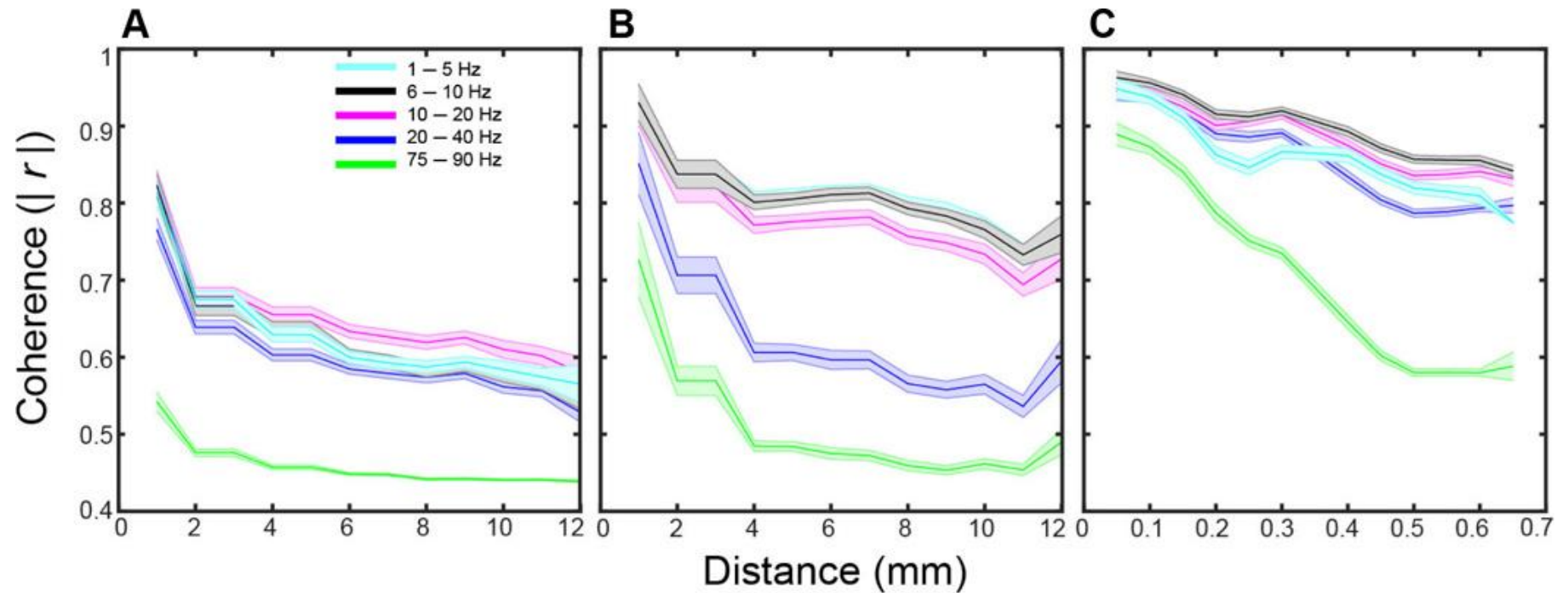
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Fig. 3 Spatial distribution of localized LFP and neural spiking activity across the NeuroGrid.



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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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