Di Ieva et al. established the first “Computational Neurosurgery Lab”, aimed to use to use artificial intelligence and fractal-based computational modelling to characterise “fingerprints” of brain tumours and other diseases of neurosurgical interest. He aims to use artificial intelligence to help clinicians and surgeons with differential diagnosis and decision-making, reducing errors in judgement, with the final goal of improving patients' treatment and outcome [1)]

1)
Di Ieva A, Rosenfeld JV, Stoodley MA. The Royal Australasian College of Surgeons John Mitchell Crouch Fellowship: a neurosurgical perspective. ANZ J Surg. 2021 May;91(5):793-794. doi: 10.1111/ans.16843. PMID: 33999532.