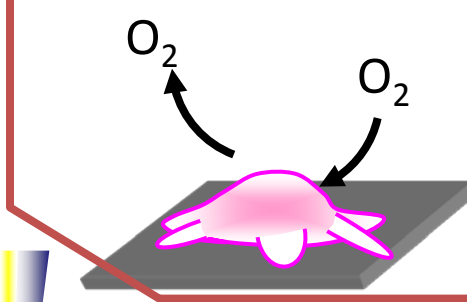
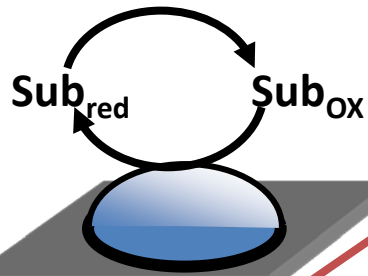


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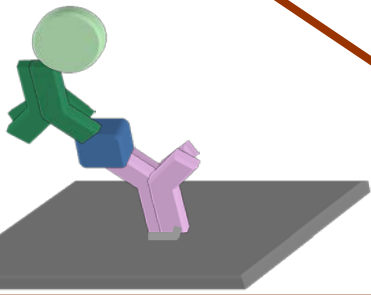
マイクロ電極を利用したバイオセンシング

酵素反応解析

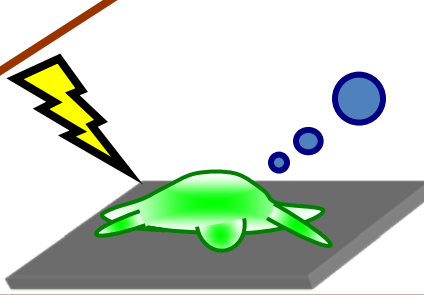
単一細胞呼吸活性



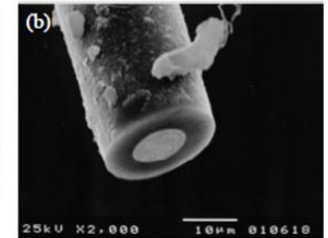
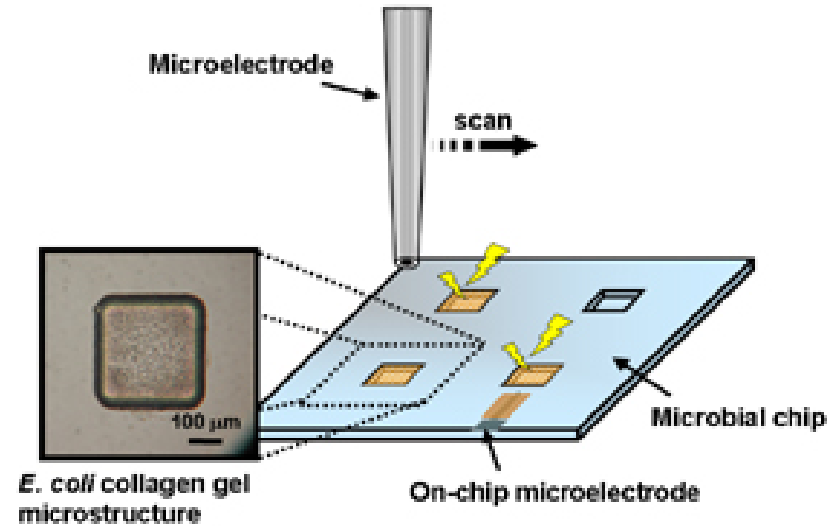
Electrochemical sensing



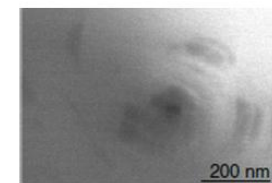
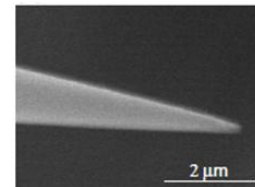
抗原-抗体反応による
病理診断



細胞応答による薬剤・
変異原スクリーニング



髪の毛の1/10(直径10 μm)の電極

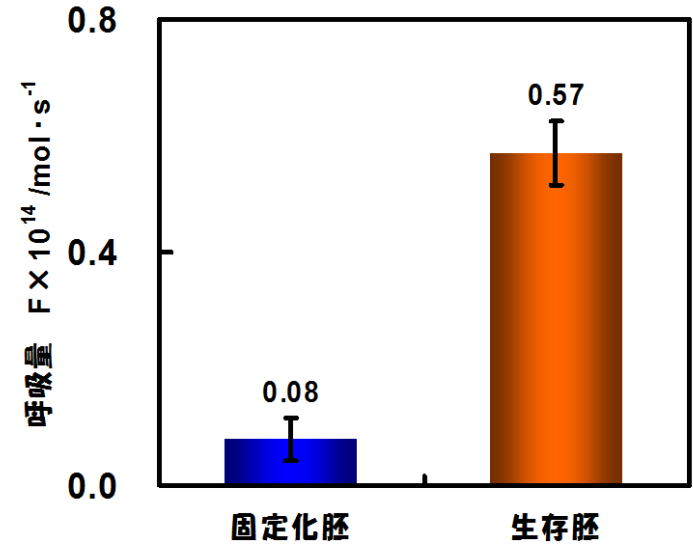


DNAの6倍(直径6 nm)の電極

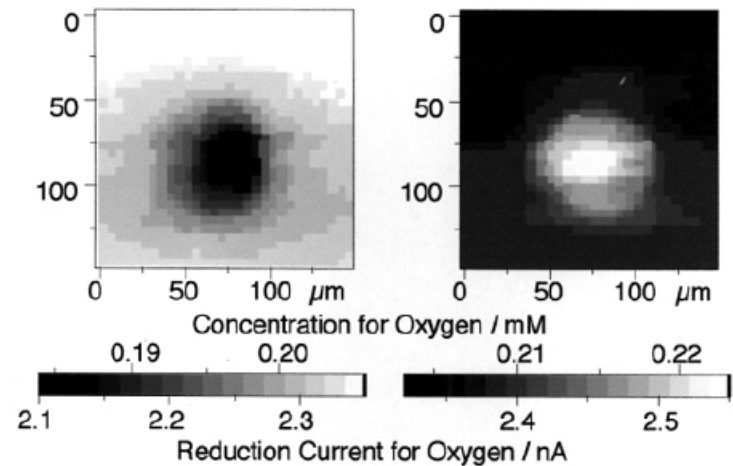
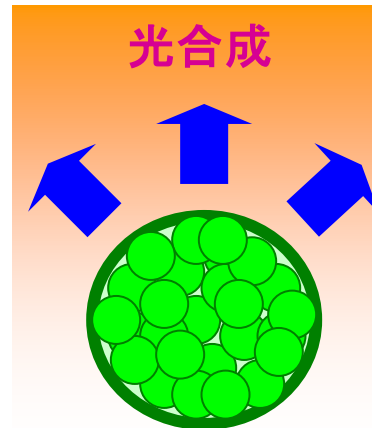
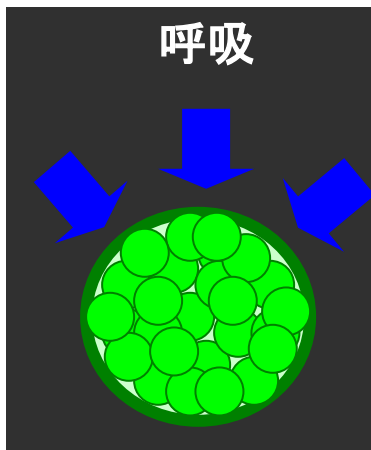
体外受精-胚移植



呼吸活性を指標とした品質評価
ウシの妊娠率を改善 (40% → 60%)



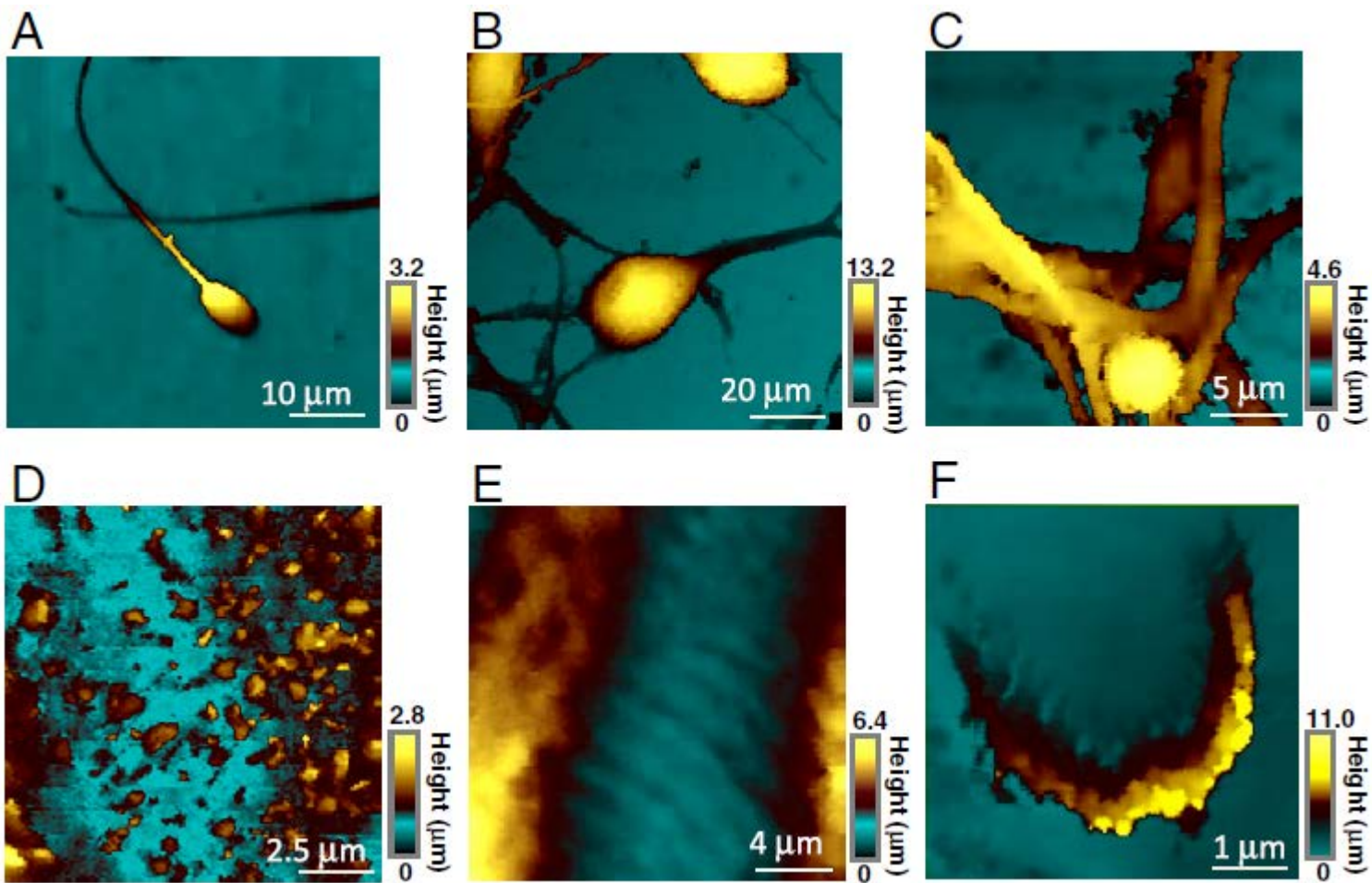
プロトプラストの呼吸・光合成の評価



Electroanalysis

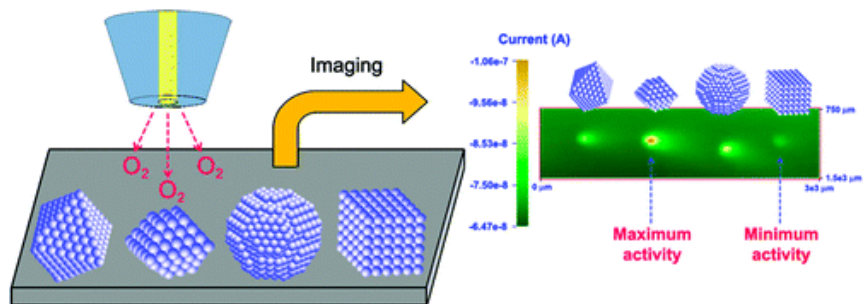
Volume 12, Issue 9, pages 653–659, May 2000

ナノ電気化学顕微鏡を用いた細胞の形状イメージ



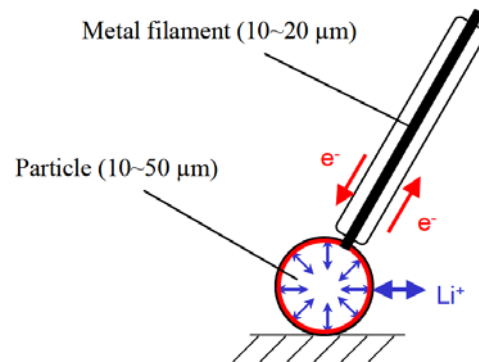
Y.Takahashi et al., PNAS., accepted

Pt結晶構造と酸素還元触媒能の評価



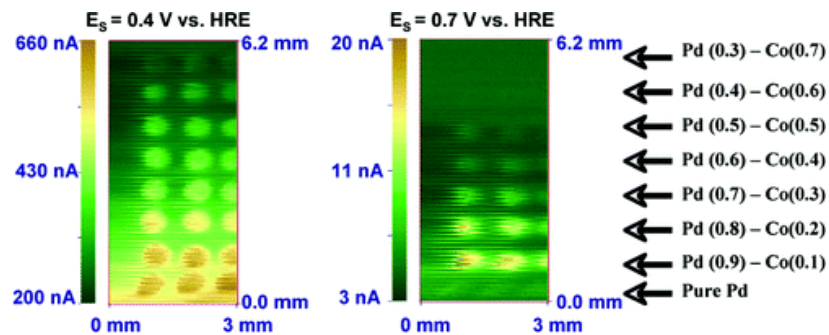
J. Am. Chem. Soc., 2010, 132 (16), pp 5622–5624

単一活物質に関するLiのインタカレーションの速度論的評価



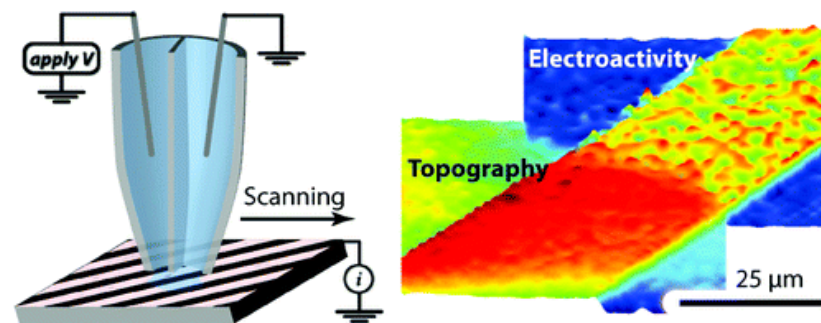
JOURNAL OF THE ELECTROCHEMICAL SOCIETY 巻: 148 号: 5 ページ: A422-A426 DOI: 10.1149/1.1359197 発行: MAY 2001

バイメタルの酸素還元触媒能の評価



J. Am. Chem. Soc., 2005, 127 (1), pp 357–365

メニスカスを利用した電気化学計測



Anal. Chem., 2010, 82 (22), pp 9141–9145