

## Why Size Matters, Electrochemistry on the Nanoscale

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Nanoscale electrodes have been a topic of intense research for many decades. Their enhanced sensitivities, born out of an improved signal-to-noise ratio as electrode dimensions decrease, make them ideal for the development of low-concentration analyte sensors. However, to date, nanoelectrode fabrication has typically required expensive equipment and exhaustive, time-consuming fabrication methods that have rendered them unsuitable for widespread use and commercialization. This talk will cover the fundamental theory behind nanoscale electrodes, how they can be fabricated, their current applications and future perspectives