

Synthetic Organic Electrochemistry: A Sustainable Technology for any Scale

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Synthetic organic electrochemistry is an enabling tool that allows the promotion of redox reactions employing electrons traceless redox equivalents, replacing toxic and/or hazardous reagents in an environmentally benign way.^[1] In combination with flow chemistry, electrochemical transformations can be executed at any scale, ranging from slug-based high throughput experimentation to process scale (Figure 1). Herein, the application of flow electrochemistry in the context of automation, synthetic methodology, and process intensification is presented, demonstrating applications in medicinal^[2-4] and process chemistry settings.^[5-7]

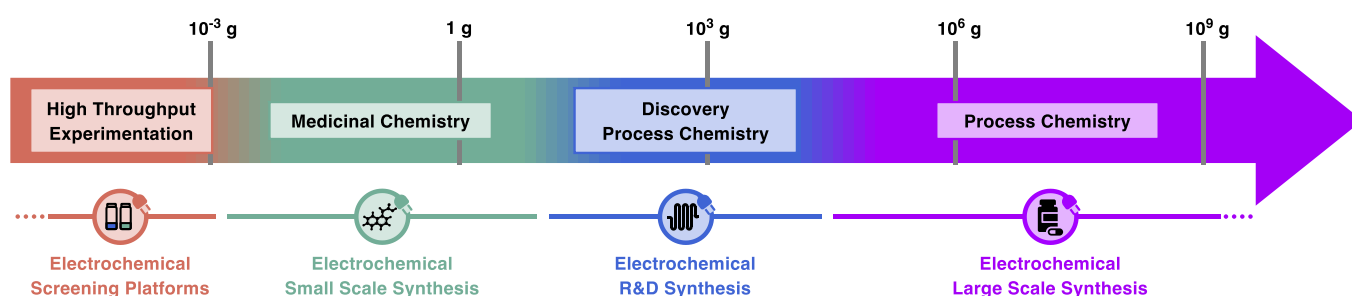


Figure 1: Electrochemical reactions across different scales.

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