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Electrosynthesis

Electrosynthesis is the use of electrical current to drive chemical transformation. First reports of electrosynthesis emerged nearly 200 years ago and the technique is currently undergoing a resurgence in popularity within the synthetic community, mostly thanks to the potential for cheaper, greener and safer chemical synthesis. With a wealth of novel transformations reported over the past decade, a practical understanding in electrosynthesis is now a must have for the modern synthetic chemist.

During the course, participants will be introduced to electrosynthesis, gaining an in-depth understanding of the key fundamentals. From there, practical elements will be introduced, covering different equipment and techniques from screening to scaling up and how these are utilised in an industrial setting. Spotting potential pitfalls from the literature and how to troubleshoot problems will finish the training. On completing the course, participants will have all the knowledge they need to feel confident applying electrosynthesis in their future research.