

Short Biography



Marcus Baumann graduated from Philipps-University Marburg (Germany) in 2007 before moving to Cambridge/UK to study for a PhD with Prof. Steven V. Ley FRS. Here his research focussed on developing continuous flow methods for the synthesis of drug-like heterocycles as well as oxazole containing natural products.

On completion of his PhD in 2010 he was awarded a Feodor-Lynen postdoctoral fellowship by the Humboldt foundation allowing him to join the research group of Prof. Larry E. Overman at the University of California in Irvine where he discovered a rapid entry into new ETP-alkaloids that are currently trialled in the treatment

of human cancer.

After two years in Irvine he returned to the UK to work with Prof. Ian R. Baxendale at the University of Durham applying flow methodology to the scaled synthesis of biologically relevant chemical entities.

In 2017 he accepted an offer to become an Assistant Professor for Continuous Flow Chemistry at University College Dublin, where his group's efforts centre around the development of new continuous flow methods applied to the effective generation of various target molecules. Current areas of interest include process development, reaction scale-up, photochemistry, telescoped multi-step sequences and biocatalysis. Specifically, his group has a strong interest in developing scaled end-to-end syntheses of bioactive compounds including in-line purification and in-line analysis modules.

Marcus Baumann currently leads a group of eight enthusiastic scientists and widely collaborates with colleagues across both academia and the chemical industry, where he regularly delivers seminars on continuous flow chemistry applied to organic synthesis.