

Oliver Michael Bayley

Profile

A Postdoctoral researcher at the University of Amsterdam (UvA) split between the Noël and Gargano research groups. New Zealand Citizen.

Education

PhD in Chemistry | Mar 2020 – Feb 2024

University of Bristol – Bristol, United Kingdom

Thesis - 'Development of A New Class of Molecular Machine: Light-Fuelled Single-Bond Rotors' (Defence passed with no correction)

Master of Drug Discovery and Development (with Distinction) | Feb 2018 – May 2019

Victoria University of Wellington – Wellington, New Zealand

Thesis - 'Synthesis of Novel Pyran Fragments to Incorporate into Peloruside Analogues' (GPA – 8.5/9)

Bachelor of Biomedical Science | Feb 2015 – May 2018

Victoria University of Wellington – Wellington, New Zealand

Research Employment

Postdoctoral Researcher | Nov 2023 - Present

University of Amsterdam (UvA) – Amsterdam, Netherlands

Research position focused on molecular analytics for closed-loop optimisation of photocatalytic flow reactions.

Post Graduate Research Assistant | Jun 2019 - Dec 2019

University of Auckland Cancer Society Research Centre (ACSRC) – Auckland, New Zealand

Large (lab) scale synthesis of an anti-cancer compound for the Faculty of Medicine and Health Science at the Auckland Cancer Society Research Centre.

Post Graduate Research Assistant | May 2019 - Jul 2019

Victoria University of Wellington – Wellington, New Zealand

Review and edit schemes in preparation for a book chapter publication.

Research Assistant | Nov 2016 – Mar 2017

Callaghan Innovation – Wellington, New Zealand

Summer project at a CRI focusing on nano/microencapsulation of nutraceutical oils.

Teaching Employment

Lab Demonstrator | Jul 2018 – Nov 2018

Victoria University of Wellington – Wellington, New Zealand

Supervising second year undergraduates in organic synthesis labs, teaching them practical skills and marking their assignments.

Private Tutor | Mar 2016 – Jan 2018

Inspiration Education – Wellington, New Zealand

1 on 1 tutor (private tutor) for high-school students between the ages of 12 and 18 in Maths, Physics, Chemistry and Biology.

Competitive Academic Awards

2023 RSC 27th International symposium (University of Oxford) – Best poster award

2023 ECR MASC Meeting (Francis Crick Institute, London) – Best talk award

2023 Final year chemistry PhD talks (University of Bristol) - Best talk award

2023 RSC South-West Meeting (University of Reading) - Best poster award

2021 Annual Merck Compound Challenge - Top 15 (from 243 Teams)

2019 VUW-Massey PGR Chemistry Symposium – Runner-up best talk award

2018 Te Herenga Waka Master's by Thesis Scholarship

2016 Ngati Kahungunu Iwi Scholarship

2015 VUW Dean's List

References

Prof Timothy Noël – C2.258a, Science Park 904, University of Amsterdam

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Prof Chris Willis – N319 School of Chemistry Cantock's Close Bristol BS8 1TS

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