Sebastian Gorgon

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EDUCATION

Christ's College, University of Cambridge *October 2019 - ongoing*
MRes+PhD in Nanoscience and Nanotechnology

University College London *September 2015 - June 2019*
BSc in Chemical Physics

First Class Honours
Faculty of Mathematical and Physical Sciences Dean's List
Christopher Ingold Prize for outstanding academic achievement

Dulwich College, *London* *September 2014 - July 2015*
Full academic scholarship
A-Levels: A* A* A* A* in Mathematics, Further Mathematics, Chemistry, Physics

RESEARCH

London Centre for Nanotechnology *June - August 2019*
Prof. Schoefield Lab, UCL Department of Physics

Brian Duff Scholarship

- Delivered a self-contained vibrational noise detection rig upgrade on an ultrahigh vacuum STM.

Rutherford Appleton Laboratory, *Oxfordshire* *September 2017 - August 2018*
ULTRA Group, Central Laser Facility, STFC

Sandwich Student placement

- Fully developed hardware and software of a nanosecond Transient IR Absorption Multiple Probe Spectrometer based on YAG and Quantum Cascade Lasers.
- Launched a collaboration with Dr Clarke (UCL) to study charge dynamics in novel Organic Photovoltaics using the system built.

Imperial College London *August - September 2017*
Dr Bakulin Lab, Ultrafast Optoelectonics Group, Department of Chemistry

- Designed and built a picosend Kerr-gated photoluminescence spectrometer.

Kyoto University, *Japan* *June - August 2016*
Prof. Abe Lab, Department of Energy and Hydrocarbon Chemistry

Amgen Foundation Scholarship
Distinction at the Poster session of the Amgen Japan Symposium

- Studied the mechanism of partial oxidation of alcohols by water splitting inorganic photocatalytic systems.

Weizmann Institute of Science, *Rehovot, Israel* *June - July 2015*
Prof. Joselevich Lab, Department of Materials and Interfaces

International Summer Science Institute; Weizmann UK Scholarship

- Synthesised and characterised core-shell ZnSe/ZnTe nanowires.

OUTREACH

Chemistry and Problem Solving Tutor *2016 - 2019*
Southwark Community Education Council, London

- Taught groups of twenty Year 6 students (aged 10) from local state Primaries at a Saturday School for 3 hours every week during termtime.
- Designed the syllabus enhancing critical and mathematical thinking through experiments, together with teaching materials. Lab activities included flame colour testing, pH indicators, slime making, and distillations.
- Full responsibility for safety and safeguarding.