



Shot-noise Limited Optical Waveguide MOdule

Fact Sheet

Project Information

SLOW MO

Grant agreement ID: 957536

DOI

[10.3030/957536](https://doi.org/10.3030/957536)

Project closed

EC signature date

7 May 2020

Start date

1 December 2020

End date

31 May 2022

Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

Total cost

No data

EU contribution

€ 150 000,00

Coordinated by

UNIVERSITY OF BRISTOL

United Kingdom

Project description

Let there be light with next to no optical noise

Manipulating and measuring fluctuations in light are at the heart of microscopy and spectroscopy and critically important to quantum optical devices and single-photon events. Measuring a signal in noise and minimising the noise to better detect the signal are central to optoelectronics. Optical lasers are now ubiquitous, yet they are still plagued by challenges related to optical noise. The EU-funded SLOW MO project is developing a 'plug-and-play' noise reducing module that can be fitted to fibre lasers already in use in a wealth of applications. The filter will reduce optical noise to the lowest limits possible according to classical physics principles.

Fields of science (EuroSciVoc)

[natural sciences](#) > [physical sciences](#) > [optics](#) > **[microscopy](#)**

[natural sciences](#) > [physical sciences](#) > [optics](#) > **[laser physics](#)**

[natural sciences](#) > [physical sciences](#) > [optics](#) > **[spectroscopy](#)**



Programme(s)

[H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council \(ERC\)](#)

MAIN PROGRAMME

Topic(s)

[ERC-2020-POC - Call for proposals for ERC Proof of Concept Grant](#)

Call for proposal

[ERC-2020-PoC](#) 

[See other projects for this call](#)

Funding Scheme

[ERC-POC-LS - ERC Proof of Concept Lump Sum Pilot](#)

Host institution



UNIVERSITY OF BRISTOL

Net EU contribution

€ 150 000,00

Total cost

No data

Address

BEACON HOUSE QUEENS ROAD

BS8 1QU Bristol

 **United Kingdom** 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Bristol, City of

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Beneficiaries (1)



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Total cost

No data

Last update: 9 November 2022

Permalink: <https://cordis.europa.eu/project/id/957536>

