



## **Coherent Optical Sources using Micromolecular Ordered Structures (COSMOS)**

H.J. Coles<sup>4</sup>, R.H. Friend<sup>2</sup>, I.H. White<sup>5</sup>, W.T.S. Huck<sup>1</sup>, E.M. Terentjev<sup>3</sup>, T.D. Wilkinson<sup>4</sup>

S.M. Morris<sup>4</sup>, S. Findeisen-Tandel<sup>4</sup>, O. Hadeler<sup>5</sup>, P.J.W. Hands<sup>4</sup>, Y. Ji<sup>3</sup>, D. Kabra<sup>2</sup>, M.H. Song<sup>2</sup>, G. Tu<sup>1</sup>

COSMOS is a Basic Technology



1. Melville Laboratory for Polymer Synthesis

Research Programme funded by the EPSRC to develop micron-sized tunable coherent light sources based on ordered organic periodic structures. The research programme is a joint venture between research groups in the Departments of Chemistry, Physics and Engineering at the University of Cambridge. for Polymer Synthesis

**Optoelectronics Group** 

Biological and Soft Systems

Department of Chemistry

Optoelectronics Group
Biological & Soft Systems Group
Cavendish Laboratory, Department of Physics

4. Centre of Molecular Materials for Photonics & Electronics



Centre of molecular materials for photonics and electronics



5. Centre for Photonic Systems Department of Engineering



## Practical devices and new technology

Medicine, biology, chemistry, engineering: eg: micro-manipulation of molecules, lab on a chip spectroscopy, dermatology, endoscopy, retinal and key-hole surgery, disease sensing, telecommunications devices, optical data storage, display technology, etc.

## www-g.eng.cam.ac.uk/cosmos

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