



## New ICFOnians

New researchers have joined ICFO.

March 23, 2010

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One Visiting Professor, Prof. Ivan Deutsch; one Research Fellow, Dr. [David Pickup](#); one Postdoctoral Researcher, Dr. [Anthony Leverrier](#), one PhD Student, Ms. [Maria Alejandra Ortega](#), and one Student, Ms. [Laura Dubreuil](#) have joined ICFO.

Prof. Ivan Deutsch is Professor at the Physics and Astronomy Department and co-PI of the Center for Quantum Information and Control (CQuIC) at the University of New Mexico, USA. He joined ICFO on March 1st with a Senior Lecturer Fulbright grant for a three-month stay in the group led by Prof. Morgan Mitchell. Prof. Deutsch will work as a Visiting Professor hosted by the quantum information with cold atoms and non-classical light group, studying applications of atomic ensembles to quantum metrology and quantum information. He will also offer a series of lectures and seminars on the same topics. The stay is co-funded by the Fulbright Foundation of Spain and the DIUE of the Generalitat de Catalunya.

Dr. David Pickup obtained his MSc and his PhD in Chemistry from the University of Sheffield, UK. He worked afterwards for three years in the Research & Development Department of an Organic Polymer Microdisplays company in Edinburgh. He will join ICFO at the group led by Prof. Jordi Martorell as a Research Fellow to work in the field of organic materials for solar cells.

Dr. Anthony Leverrier received his PhD from the Ecole Nationale Supérieure des Telecommunications in Paris. He will be working in the Quantum Information Theory group led by Prof. Antonio Acín. He will analyze the use of entanglement and quantum non-locality for quantum communication purposes with an emphasis on the study of quantum networks.

Ms. Maria Alejandra Ortega will join ICFO at the Plasmon Nano-Optics group led by Prof. Romain Quidant. She will work on new strategies to develop an ultra-sensitive and compact analytical platform for early-stage cancer diagnosis.

Ms. Laura Dubreuil is an undergraduate student of Telecommunication Engineering at the Universitat Politècnica de Catalunya. She will join the group led by Prof. Juan P. Torres to collaborate in the design of a new type of source of paired photons with special spatial properties.



Dr. Leverrier, Ms. Ortega and Ms. Dubreuil