



## New ICFOrians

New researchers joined ICFO.

March 28, 2012

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One visiting scientist, Ms. [Anna Przysiezna](#); one PhD Student, Ms. [Yang Lu](#); and five students, Ms. [Arkabrata Bhattacharya](#), Ms. [Kyra Borgam](#), Ms. Lucrezia Foltran, Mr. [Jose Maria Alvarez](#) and Mr. [Florent Guichard](#); have joined ICFO.

Ms. Anna Przysiezna joins the QOT group of Maciek Lewenstein for the second time to work on quantum simulators of fermionic dipolar gases. She is doing her PhD at the University of Gdansk.

Ms. Yang Lu received her Bachelor's degree in Pure Mathematics and her Master's degree in Physics from the University of Waterloo in Canada. She has previous research experience in experimental optical quantum computing working in the group of Prof. Kevin Resch. Yang

will work jointly with the groups of Prof. Darrick Chang and Prof. Frank Koppens on graphene-based nonlinear optics.

Ms. Arkabrata Bhattacharya is a Master's student in the Erasmus Mundus Europhotonics program, and will perform her Master's thesis research in Prof. Darrick Chang's group. She will be investigating nonlinear effects in quantum pulse propagation through atomic media.

Ms. Kyra Borgam received her BSc in Medical Biology from the Radboud University Nijmegen, the Netherlands, and is currently finishing her MSc in Molecular Mechanisms of Disease. She will do her Master's project in the group led by ICREA Prof. Maria Garcia-Parajo, on integrin dynamics combining multiple single molecule fluorescence techniques.

Ms. Lucrezia Foltran is a Telecommunications Engineering student from the School of Engineering, University of Padova (Italy). She joins the group led by Prof. Valerio Pruneri to pursue her Master's thesis on the development of novel fiber based sensing platforms for SERS applications.

Mr. Jose Maria Alvarez is an Electrical Engineering student from the Technical University of Catalonia (UPC) who joins the group led by Prof. Valerio Pruneri. He will focus his Master's thesis on the development of a passive faint pulse source for fast quantum key distribution systems.

Mr. Florent Guichard is a student from Bordeaux, France who is carrying out an internship on optical parametric chirped pulse amplification in the group led by Prof. Jens Biegert.



Ms. Yang Lu



Mr. Arkabrata Bhattacharya, Ms. Kyra Borgam, and Ms. Lucrezia Foltran



Mr. Jose Maria Alvarez and Mr. Florent Guichard