

ESF Network – PLASMON-BIONANOSENSE  
Dr. Vincenzo Giannini  
Blackett Laboratory  
Department of Physics  
Imperial College London  
Prince Consort Rd  
London SW7 2AZ

Expense claim for short visit grant #5234

Dear Sir, dear Madam,

Please find attached below the scientific report for the short visit to Prof. Aizpurua's group in San Sebastian (Spain). The travel receipts will be found in the documents sent by mail.

The present claim includes the following items:

Description	Unit price	Currency	Number	total (€)
London Heathrow ==> Bilbao Airport	271.88	EUR	1	271.88
Bilbao Airport ==> London Stansted	163.01	POUND	1	203.70
Bus Bilbao Airport ==> San Sebastian	16.20	EUR	1	16.20
Train London Airport ==> London	22.5	POUND	0.5	28.1
Single bus tickets San Sebastian	1.45	EUR	5	7.25
			Total	527.13

### Scientific report – short visit Vincenzo Giannini in Javier Aizpurua's group

The short visit took place between the 2<sup>th</sup> and 8<sup>th</sup> September 2012 in San Sebastian (Spain), at the Center of Materials Physics in San Sebastian (Spain), in order to visit the group of Prof. Aizpurua.

During the visit I had the opportunity of to discuss with Prof. Aizpurua as well as with members of his group. The main argument was the interaction of plasmonic nanostructures with graphene and their use as sensors. Also we discussed if classical calculations are a good options when the metal nanoparticles are very small and touching the graphene.

This visit aimed also set up also a possible collaborations due to the complementary skills in the calculations of non-classical effects in plasmonic resonances and graphene physics.