



CONSIGLIO NAZIONALE DELLE RICERCHE
Istituto di Chimica dei Composti Organometallici – ICCOM

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Oggetto: Relazione scientifica della visita del Professor **JORGE BRAVO** nell'ambito del programma di mobilità di breve durata dei ricercatori per l'anno 2008

Scientific Report

During the period from **April 7 to April 17, JORGE BRAVO**, Professor of Inorganic Chemistry at the University of Vigo (Spain), has been in Florence visiting the laboratory of Organometallic Chemistry and Homogeneous Catalysis of my research team at ICCOM CNR (Florence, Italy) as recipient of an INTERNATIONAL SHORT TERM MOBILITY GRANT of CNR (year 2008; Protocol CNR Ammin. Centrale 0003939 – 15/01/2008).

The visit of Professor Bravo has allowed to strengthen the collaboration currently running between my research team and the Spanish group leaded by him.

During the visit in Florence, there have been many discussions to plan the participation of the two research units to a joint Doctoral Studentship program and to arrange also future scientific collaborations. Particularly, a meeting has been organised at the Department of Chemistry of the University of Perugia with the team leaded by Professor Alceo Macchioni of that University. The trilateral collaboration between the CNR unit and the Universities of Vigo and Perugia has already resulted in a joint article recently appeared in the highly reputed ACS journal *Organometallics* **2008**, 27, 1649-1652. The preparation of a further joint paper dealing with the speciation equilibria in water involving water soluble organorhodium species is planned. An application to MUR/MCT in the frame of the bilateral program "*Azioni Integrate Italia – Spagna 2009*" funding the mobility of Senior and Junior researchers is currently under preparation and will include researchers from the three institutions.

The preparation of a comprehensive review article highlighting the solution chemistry of the hydrosoluble phosphine 1,3,5-triaza-7-phosphaadamantane has been planned and the duties between the two teams (Florence and Vigo) in the joint preparation of this contribution have been also detailed. The review is planned to be submitted to *Coordination Chemistry Reviews* (Elsevier SA, Amsterdam, NL) in the fall 2008.

The period spent by Professor Bravo in Florence has been very fruitful and has contributed to reinforce the bilateral relationships between ICCOM CNR and the University of Vigo.

Dr. Maurizio Peruzzini

Research Director at ICCOM CNR