Leiden, April 9, 2013

Dear Colleagues,

it is a great pleasure to invite you to participate in the

EERA JP-AMPEA Cross linking workshop on Artificial Photosynthesis

to take place June 11-12, 2013 in Wageningen, the Netherlands. The main purpose of this workshop is to draw roadmaps for the development, characterization and modelling of catalysts, materials and devices for artificial photosynthesis. By this we will define the fundamental research needs for the further development towards large scale terrestrial applications of artificial photosynthesis. Another aspect that the workshop will address is the cross-linking of the "Artificial photosynthesis" application with the other sub-programmes of AMPEA: "tools" ("*New materials*", "*Physical Modelling*", "*Characterization*") and "application" ("*Materials for extreme operating conditions*" and "*Low temperature heat recovery*").

This is the second AMPEA workshop about solar fuels and artificial photosynthesis. The first workshop, held in Mülheim/Germany in October 2012, gathered *ca.* 40 participants from most of the major European groups in the field. The main outcomes were that artificial photosynthesis for solar fuels was identified as a core research area within the AMPEA JP agenda. As an outcome of the workshop, a paper was published in the journal *Green* by a group of authors representing most countries involved in this research area in Europe and in the AMPEA JP. This paper is attached to the present letter and will provide the background for the discussions to be held in Wageningen. A second important suggestion of the Mülheim workshop was to create a society for research in artificial photosynthesis. This point will be re-discussed during the Wageningen workshop. As a result of the Mülheim meeting, several groups have decided to commit to the AMPEA JP and they are now members of the steering committee in AMPEA which met in Rome in March 2013.

The two-day workshop in Wageningen will be hosted by the Dutch AMPEA member BioSolar Cells with support from the EuroSolarFuels Eurocores program of the ESF. During the workshop, we will have a very limited number of introductory talks followed by work group sessions that identify topics for the roadmap and then fill in time scales for specific goals. The detailed workshop program will be made available on the Ampea web page prior to the workshop. The meeting will start in the morning of June 11, and will end in the afternoon of June 12.

The venue of the workshop is the Forum Building of Wageningen University research centre, Droevendaalsesteeg in Wageningen, The Netherlands. Attendance will be limited to 60 participants that are leaders in the field of artificial photosynthesis, and there is an obligatory registration by email **before 18st of May 2013**: ssnmr@chem.leidenuniv.nl. There is no registration fee to attend the workshop. Two hotels will keep rooms available until may 10, 2013, "De Nieuwe Wereld" in Wageningen and "De Reehorst" in Ede.

On behalf of the organizing committee of this workshop, the board of the AMPEA Joint program and the AMPEA member BioSolar Cells, I invite you to contribute to shaping the future of artificial photosynthesis in the European Research Alliance and I hope you will be able to join and contribute to a fruitful, inspiring and above all enjoyable cross-linking workshop.

With best regards,

Huub de Groot
Chairman of the Organizing Committee

Organizing committee: Dr. Amelia Montone (ENEA Rome, Italy), Prof. Dr. Johannes Messinger (Umeå University, Sweden), Dr. Bruno Robert (CEA Saclay, France), Prof. Dr. Sebastiano Campagna (University Messina, Italy), Dr. Frédéric Chandezon (CEA, INAC, France), Prof. Dr. Stenbjörn Styring (Uppsala University, Sweden), Prof. Dr. Philipp Kurz, (Freiburg University, Germany), Prof. Dr. Sebastian Fiechter (Helmholtz Center, Berlin, Germany) and Prof. Dr. Huub de Groot (Leiden University, The Netherlands).