



LAURENT PLASSERAUD

*From France to Sweden*



Project: **Dimethyl Carbonate: Synthesis and Utilization**

Research topic: **Chemistry**

Swedish Institution: **Umeå University / Uppsala University / Lund University**

French Institution: **University of Burgundy**

Dates of mobility: **28/05/2015 to 07/06/2015**

Program: **SFVE-A (ex-TOR)**



## PRESENTATION

[Laurent Plasseraud](#) is a National Centre of Scientific Research ([CNRS](#)) Head of Research at the Institute of Molecular Chemistry ([ICMUB](#)) of the [University of Burgundy](#) in Dijon. He obtained his PhD in Organometallic Chemistry from the [University of Neuchâtel](#) in 1999. His main research results concern original structures of transition metal and main group metal complexes with relevance to sustainability, homogenous catalysis, supramolecular chemistry, and molecular materials fields.

## ACTIVITIES IN SWEDEN

Plasseraud started his mobility in Copenhagen by meeting [Prof. Jesper Bendix](#) ([University of Copenhagen](#)). He then travelled to the [University of Lund](#) and met with [Prof. Ola Wendt](#) at the [Department of Chemistry](#). Plasseraud was invited to hold a seminar presentation entitled “Dimethyl Carbonate: Direct Synthesis from Carbon Dioxide and Utilization for Transesterification Reactions”. A discussion with [Dr. Irene Rodriguez-Meizoso](#) on investigative methods using Raman spectroscopy for *in situ* reactions under pressure followed, on which a collaboration was envisaged. Subsequently, he visited the [Ångström Laboratory](#), the Department of Analytical Chemistry, Biochemistry and Organic Chemistry ([BMC](#)), at [Uppsala University](#). He was hosted by [Prof. Andreas Orthaber](#) and [Prof. Joseph Samec](#) (now at [Stockholm University](#)). Plasseraud was introduced to the Molecular Inorganic Chemistry team and held a presentation entitled “From CO<sub>2</sub> to Linear Organic Carbonates”. He planned a collaboration with Prof. Samec on molecular applications in bio-composite materials.

The mobility finished at [Umeå University](#) and its [Department of Chemistry](#), where he was hosted by [Prof. Jyri-Pekka Mikkola](#). They visited the laboratory infrastructure and Plasseraud held a presentation entitled “Dimethyl Carbonate: From Synthesis to Utilization”. They pursued discussions on their already-existing collaborations.