

Dr. Samuel Suhard

E-mail: Suhard@chimie.ups-tlse.fr

Work

LCC

205 Route de Narbonne

31077 Toulouse

Home

Appt 14

3 rue Emile Lecrivain

31400 Toulouse

Date of birth: 25th Aug 1976

RESEARCH EXPERIENCE

Post-doctoral Research (February 2006-to date):

“Design of microfluidic systems”

Supervisors: S. Sabo-etienne, A.F. Mingotaud, C. Rossi, LCC, IMRCP (Université Paul Sabatier) LAAS, Toulouse.

- Synthesis, of Energetic compounds
- Design and synthesis of elastomers
- Design of microsyringe.

Post-doctoral Research (March 2005-to February 2006):

“Supported Fluorous-phase Catalysis”

Supervisors: Prof. E. G. Hope and Dr A. M. Stuart, Department of Chemistry, University of Leicester.

- Synthesis, preparation and characterisation of a wide range of fluorinated cross-linked polymers.
- Functionalisation of Merrifield resins.
- Catalytic testing including Suzuki cross-coupling and hydrogenation reactions.

Post-doctoral Research (March 2004 - September 2004):

“Synthetic Routes to Amino-functionalised [2.2]-para-Cyclophanes”

Supervisor: Dr. P.W. Dyer, Department of Chemistry, University of Durham.

- Preparation of amine-based compound using a wide variety of synthetic strategies.
- Suzuki cross-coupling reactions.
- Catalysis including ROMP reactions.

Doctoral Research:

“Towards Polymer-Supported Schrock-Type Initiators for Olefin Metathesis”

Supervisor: Dr. P.W. Dyer

- Preparation of polymer-supported diols using a wide variety of synthetic strategies.
- Synthesis and characterisation of new molybdenum imido / alkylidene metathesis initiators.
- Evaluation of resins as supports for metathesis initiators.
- Catalysis including RCM and ADMET reactions.

TECHNICAL SKILLS

Manipulation of air / moisture sensitive reagents using inert atmosphere (Schlenk and glove box) techniques. Multinuclear NMR spectroscopy, (^1H , ^{13}C , ^{31}P , ^{11}B , ^{19}F); solid state NMR spectroscopy (EPSRC service, Durham).

IR spectroscopy; mass spectrometry; GC-MS. TGA, DSC

Microwave-assisted synthesis (CEM and Personal chemistry).

Data interpretation and analysis.

OTHER SKILLS

Fluent French (native language), fluent English (written and spoken), and limited Spanish (spoken).

Oct. 2002 - Dec. 2002 Demonstrating and tutoring in undergraduate practical laboratories.

PUBLICATIONS AND PRESENTATIONS (to date)

Sterically-controlled regioselective para-substitutions of aniline

P. W. Dyer, J. Fawcett, G. A. Griffith, M. J. Hanton, C. Olivier, A. R. Patterson, S. Suhard, *Chem. Comm.*, **2005**, 30, 3835.

The synthesis and catalytic application of spacer-modified diol-functionalised Merrifield resins

P. W. Dyer, S. Handa, T. Reeve, S. Suhard, *Tetrahedron Lett.*, **2005**, 28, 4753.

July 2004 RSC Coordination Chemistry Discussion Group Meeting, Department of Chemistry University of Leicester, 12th – 14th July 2004: Poster.

Sept 2003 226th ACS National Meeting, New York, USA: Poster.