

# 1. Annexes

## 1.1. Partenaires académiques

### 1.1.1. Laboratoire ICGM

#### 1.1.1.1. Résumé

<b>Nom du laboratoire</b>	Institut Charles Gerhart Montpellier (ICGM) UMR 5253
<b>Adresse complète</b>	ENSCM, 8 rue de l'École Normale 34296 Montpellier CEDEX 05
<b>Directeur du laboratoire</b>	François Fajula
<b>Section CNRS</b>	12
<b>Contact scientifique</b>	Olivier DAUTEL – <a href="mailto:olivier.dautel@enscm.fr">olivier.dautel@enscm.fr</a>
<b>Objectifs</b>	Synthèse et contrôle de l'organisation supramoléculaire de systèmes pi-conjugués
<b>Site web</b>	<a href="http://www.icgm.fr">http://www.icgm.fr</a>

#### 1.1.1.2. Domaines de compétences

- Synthèse organométallique
- Synthèse de systèmes pi-conjugués
- Chimie supramoléculaire
- Chimie sol-gel
- Etude de nouveaux semiconducteurs : polymères et petites molécules

#### 1.1.1.3. Personnels permanents impliqués

##### Equipe AM2N

- Jean-Pierre Lère-Porte, PR1, [jean-pierre.lere-porte@enscm.fr](mailto:jean-pierre.lere-porte@enscm.fr)
- Françoise Serein-Spirau, PR2, [francoise.spirau@enscm.fr](mailto:francoise.spirau@enscm.fr)
- Olivier Dautel, CR1 CNRS, [olivier.dautel@enscm.fr](mailto:olivier.dautel@enscm.fr)
- Thibault Jarrosson, MCF, [Thibaut.Jarrosson@enscm.fr](mailto:Thibaut.Jarrosson@enscm.fr)

##### Equipe CMOS

- Philippe Gerbier, PR2, [philippe.gerbier@univ-montp2.fr](mailto:philippe.gerbier@univ-montp2.fr)
- Sébastien Clément, MCF, [sebastien.clement02@univ-montp2.fr](mailto:sebastien.clement02@univ-montp2.fr)
- Sébastien Richeter, MCF, [sebastien.richeter@univ-montp2.fr](mailto:sebastien.richeter@univ-montp2.fr)

#### 1.1.1.4. Publications significatives (10 max)

- 1 “2,5-Thiophene substituted spirobisiloles – synthesis, characterization, electrochemical properties and performance in bulk heterojunction solar cells“, K. Amro , A. K. Thakur , J. Rault-Berthelot , C. Poriel , L. Hirsch, W. E. Douglas , S. Clément, P. Gerbier, *New J. Chem.* (2013), *In press*. DOI: 10.1039/C2NJ40535K.
- 2 “Laser printing of air-stable high performing organic thin film transistors“, L. Rapp, F. Serein-Spirau, J.P Lère-Porte, A.P. Alloncle, P. Delaporte, F. Fages, C. Vidélot-Ackermann, *Org. Electron.* (2012), **13(10)**, 2035.
- 3 “Synthesis of stable free base secochlorins and their corresponding metal complexes from mesotetraarylporphyrin derivatives“, M. Lo, J.-F. Lefebvre, N. Marcotte, C. Tonnelé, D. Beljonne, R. Lazzaroni, S. Clément, S. Richeter. *Chem. Commun.* (2012), **48**, 3460.

- 4 “Synthesis and crystal structure of Tris(2,3-triphenylenedioxy)cyclotriphosphazene: a new clathration system”, M. Reynes, O. J. Dautel, D. Virieux, D. Flot, J. J. E. Moreau, *Cryst. Eng. Comm.* (2011), **6050**.
- 5 “One pot synthesis of fluorescent  $\pi$ -conjugated materials: immobilization of phenylene-ethynylene polyelectrolytes in silica confined ionogels”, N. Cheminet, T. Jarrosson, J.P Lère-Porte, F. Serein-Spirau, L. Cury, J.J.E Moreau, L. Viau, A. Vioux, *J. Mat. Chem.* (2011), **21(35), 13588**.
- 6 “Control of the Aggregation of a Phenylenevinylenediimide Chromophore by Use of Supramolecular Chemistry: Enhanced Electroluminescence in Supramolecular Organic Devices”, N. Delbosc, M. Reynes, O. J. Dautel, G. Wantz, J.-P. Lère-Porte, and J. J. E. Moreau, *Chem. Mater.* (2010), **22, 5258**.
- 7 “Tuning and Transcription of the Supramolecular Organization of a Fluorescent Silsesquioxane Precursor into Silica Based Materials through Direct Photochemical Hydrolysis-Polycondensation and Micropatterning”, X. Sallenave, O. J. Dautel, G. Wantz, P. Valvin, J-P Lère-Porte and J. J. E. Moreau, *Adv. Funct. Mater.* (2009), **19, 404**.
- 8 “Alternated  $\pi$ -conjugated polymers based on a 1,2-diiminocyclohexane chiral unit for nitroaromatics sensing”, S. Clavaguera, O. Dautel, L. Hairault, C. Methivier, P. Montmeat, E. Pasquinet, C.M. Pradier, F. Serein-Spirau, S. Wakim, F. Veignal, *J. Polym. Sci., Part A: Polym. Chem.* (2009), **47(16), 4141**.
- 9 “How to build fully  $\pi$ -conjugated architectures with thienylene and phenylene fragments”, S. Lois, J.C. Flores, J.P. Lère-Porte, F. Serein-Spirau, J. Moreau, K. Miqueu, J.M. Sotiropoulos, P. Baylere, T. Tillard, C. Belin, *Eur. J. Org. Chem.* (2007), **(24), 4019**.
- 10 “Self-Organized Ureido Substituted Diacetylenic Organogel. Photopolymerization of One-Dimensional Supramolecular Assemblies to Give Conjugated Nanofibers”, O. J. Dautel, M. Robitzer, J-P. Lère-Porte, F. Serein-Spirau, J. J. E. Moreau, *J. Am. Chem. Soc.* (2006), **128, 16213**.