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## POLYMER CHEMIST



### EDUCATION

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- 09/1993-10/1996 **Ph.D., Polymer Chemistry**, University of Bordeaux 1 -FRANCE-
- 11/1996-11/1997 **Postdoctoral research fellow**, University of Akron (OH -USA)
- 11/1997-12/2000 **Researcher (CR2-CNRS)**, Laboratoire de Recherches sur les Macromolécules, University Paris 13, Institut Galilée, 99, av. J-B. Clément, 93430 Villetaneuse
- 12/2000-09/2012 **Researcher (CR1-CNRS)**, Laboratoire de Chimie des Polymères Organiques, UMR 5629 CNRS-ENSCBP-University Bordeaux 1, 16 av Pey Berland, 33607 Pessac
- 01/2010 **"Habilitation à diriger des Recherches"**, Université de Bordeaux
- 10/2012-present **Senior Researcher (DR-CNRS)**, Laboratoire de Chimie des Polymères Organiques, UMR 5629 CNRS-University of Bordeaux, B8 Allée Geoffroy Saint Hilaire, 33615 Pessac cedex

### PROFESSIONAL EXPERIENCE

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- *Key Competencies* : Step-growth and chain-growth polymerizations; Dispersion polymerizations in organic media, supercritical carbon dioxide, and in aqueous media; Bio-sourced monomers and polymers; Synthesis of Conjugated polymers (latexes and block copolymers) for optoelectronic applications; Organic photovoltaic solar cells; Organic electronics; Organic Conductive films (*i.e.* Transparent Conducting Electrodes); Polymer electrolytes.
- *Supervision of students*: up to now 26 PhDs and 16 post-docs;
- *Achievements*: 138 peer-reviewed papers (h index = 35, source Web of Science™), 24 patents.
- *Professional appointments*: Teaching activities both at the University of Bordeaux (Master grade, Conducting polymers) and at the National Engineering School ENSCBP from Bordeaux INP (3<sup>rd</sup> year, Polymer Engineering and Formulation).

### AWARDS

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- ↳ 2008 Samsung-IUPAC Young Polymer Scientist Award; Macro IUPAC 2008, July 4th TAIWAN
- ↳ 2013 Award Journal "La Recherche" in Chemistry

### 5 SELECTED PUBLICATIONS

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- 1) Aqueous PCDTBT:PC71BM photoactive inks made by nanoprecipitation (see also Front Cover DOI : 10.1002/marc.201870005). Prunet, G.; Parrenin, L.; Pavlopoulou, E.; Pecastaings, G.; Brochon, C.; Hadziioannou, G.\*; Cloutet, E.\* *Macromol. Rapid Commun.* 39(2), 1700504 (2018).
- 2) An alternative anionic polyelectrolyte for aqueous PEDOT dispersions: toward printable transparent electrodes. Hofmann, A. I.; Smaal, W. T. T.; Mumtaz, M.; Katsigiannopoulos, D.; Brochon, C.; Schütze, F.; Hild, O. R.; Cloutet, E.\*; Hadziioannou, G.\* *Angew. Chem. Int. Ed.*, 54, 8506-8510 (2015).
- 3) Poly(3-hexylthiophene) based block copolymers prepared by 'click' chemistry. Urien, M.; Erothu, H.; Cloutet, E.\*; Hiorns, R. C.; Vignau, L.\*; Cramail, H.\* *Macromolecules* 41, 7033-7040 (2008).
- 4) Synthesis and Blue Luminescence of a Soluble Newly Designed Carbazole Main-Chain Polymer. Cloutet, E.; Olivero, C.; Ades, D.; Castex, M.-C.; Siove, A.\* *Polymer* 43, 3489-3495 (2002).
- 5) C<sub>60</sub> end capped polystyrene stars. Cloutet, E.; Fillaut, J.L.; Gnanou, Y.; Astruc, D.\* *J. Chem. Soc., Chem. Commun.*, 1565 (1996).