

## Eric Doris

PhD in Organic Chemistry

Born on March 31<sup>st</sup>, 1966

Research Director/CEA Senior Expert

### *Professional address*

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### *Cursus*

1991: MSc in Organic Chemistry, University of Strasbourg.

1995: PhD in Organic Chemistry (with honors) under the supervision of Dr. Charles Mioskowski (University of Strasbourg).

1995-1996: Post-Doctoral working with Prof. Sir Derek H. R. Barton (Nobel laureate), Texas A&M University, College Station.

Since 1997: Researcher at the CEA.

Since 2005: Head of the Nanosciences research group of the CEA.

2007: "Habilitation à Diriger les Recherches" (degree needed to supervise PhD's) (Paris XI University).

Since 2007: Head of the tritium labeling facility & Nanosciences research group (ranked **A+** in 2010 by the Evaluation Agency for Research and Higher Education - AERES).

- *Current Research Associates*: 2 researchers, 1 technician, 2 post-docs, 2 PhD students.
- 120+ publications (including 6 JACS & 4 Angew. Chem.) / 6 patents.
- > 40 invited lectures.
- *Current Research Topics*: Supramolecular assemblies on carbon nanotubes - Synthesis of biologically active compounds - Catalysis – Nanomedicine.

### *Selected Publications*

Compact tridentate ligands for enhanced stability of quantum dots and in vivo imaging. E. Gravel, C. Tanguy, E. Cassette, T. Pons, F. Knittel, N. Bernards, F. Ducongé, B. Dubertret, E. Doris. *Chem. Sci.* **2013**, *4*, 411.

On the characterization of the surface chemistry of quantum dots. F. Knittel, E. Gravel, E. Cassette, T. Pons, F. Pillon, B. Dubertret, E. Doris. *Nano. Lett.* **2013**, *13*, 5075.

Nanometric micelles with photo-triggered cytotoxicity. A. Parambath, E. Gravel, I. Theodorou, K. Gombert, B. Thézé, F. Ducongé, E. Doris. *Adv. Funct. Mater.* **2014**, *24*, 5246.

Stable and compact zwitterionic polydiacetylene micelles with tumor-targeting properties. I. Theodorou, A. Parambath, B. Lelandais, D. Clarisse, A. Doerflinger, E. Gravel, F. Ducongé, E. Doris. *Chem. Commun.* **2015**, *51*, 14937.

Aqueous 1,3-dipolar cycloadditions promoted by copper nanoparticles in polydiacetylene micelles. D. Clarisse, P. Prakash, V. Geertsen, F. Miserque, E. Gravel, E. Doris. *Green Chem.*, **2017**, *19*, 3112.