

Dr. Damien Montarnal

Born Aug. 24, 1983, France
French citizenship
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Laboratoire CP2M (UMR 5128)
CNRS/Université de Lyon/ESCPE
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Education

- 2007 → 11** **PhD** in polymer physico-chemistry, funded by Arkema (CIFRE Grant) at Lab. Matière Molle et Chimie / ESPCI-ParisTech, France. Supervisors : Prof. L. Leibler, Dr. F. Tournilhac and Dr. M. Hidalgo (Arkema). Title : *'Use of reversible covalent and non-covalent bonds in new recyclable and reprocessable materials'*
- 2006 → 07** **M.Sc.** in Applied Chemistry (Polymer Materials), Univ. Pierre et Marie Curie, Paris, France
- 2003 → 07** **Diplôme d'ingénieur** in physics and chemistry, ESPCI-ParisTech, Paris, France.

Positions

- Since Oct 2015** **CNRS Position as Research associate (CRCN)** at Laboratoire de Catalyse, Polymérisation, Processes and Materials (CP2M, UMR 5128, Univ-Lyon1/CNRS/ESCPE, France).
- 2013 → 15** **Postdoctoral position at Laboratoire Ingénierie des Matériaux Polymères at INSA Lyon, France.**
Supervisor: Dr. J. Bernard. Title; *'Self-assembly of Diblock Copolymers Maintained by Supramolecular Interactions.'*
- 2011 → 13** **Postdoctoral position at the Materials Research Laboratory, Univ. of California (MRL/UCSB), funded by the Dow Materials Institute.**
Supervisors : Profs. G. H. Fredrickson, C. J. Hawker and E. J. Kramer. Title: *'Maximization of the phase separation in silicon-containing block copolymers for nanolithographic applications.'*

Awards and nominations

- 2019 Nominated as "Pioneering Investigator" by *Polymer Chemistry*
- 2021 Bronze medal of CNRS
- 2022 Prize from French Polymer Group and French Chemical Society

Grants @Univ Lyon as coordinator

ANR-JCJC AEROLEFIN (2018-2021)
ICL grant PORODNP (D. Montarnal / S. Jannin, 2018)
ANR-PRC VITRIPSA (2021-2025)
ANR-PRCI VITRISINT (2025-2029)

Industrial Collaborations

Bostik (M2, 2025)
Arkema (M2, 2026)
Essilor (Postdoc, 2025)
Laboratoire commun Michelin "ChemistLab" since 2020

Main Research & activities since 2018

Design and physico-chemical characterization of covalent adaptable networks (CANs)
Vitrimer-based controlled objects and polymer / vitrimer nanostructured blends
Innovative designs and strategies for functional macro- and mesoporous polymers
Design & Synthesis of latexes for adhesives

61 publications, 6100 citations (h-27 – WoS 2026), 13 patents

Co-directed 17 PhD, >20 internships. Member of ANR evaluation panel 2020, 22 & 23.