

Nicolas Louvain graduated from Université Paris Saclay in 2005, and got his PhD in Inorganic Chemistry in 2008 from the Université d'Angers. After some post-doctoral research in coordination chemistry of MOF in UK and Japan, he worked on fluorine chemistry for Li-ion batteries at ICCF, in Clermont-Ferrand. He studied molecular fluorine interaction with transition metal oxides surface, and this has been his main research subject since then. Appointed Associate Professor at the University of Montpellier, he focuses on interfaces and interphases of battery systems through operando measurements, with a coordination chemist point of view. Working on improving materials for battery through fluorination, and trying to explain why sometimes this works, and sometimes not.

