**Prof. Frédéric Sauvage**

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**Brief CV:**

Dr. Frédéric Sauvage is Research Director at CNRS and group leader of the Photovoltaic and Photochemistry research unit at the Laboratoire de Réactivité et Chimie des Solides, CNRS UMR7314. His research is devoted to new concepts related to solar energy conversion for electricity production using dye-sensitized solar cells and perovskite technology, energy conversion and its storage at molecular level of solar energy through photo-rechargeable batteries and on photocatalytic reactions on carbohydrates. A particular emphasis is given in the degradation mechanisms involved in the different type of photo-active electrodes combining in situ / in operando analytical tools and ultrafast time-resolved spectroscopies. He is the coordinator of IMPRESSIVE project funded by the European commission under H2020 program devoted to the development of fully transparent and colourless PV panels associated large bandgap UV perovskite solar cells and selective NIR-dye sensitized solar cells. He is co-founder and scientific chief officer of G+Lyte, a spin-off company from CNRS aiming at the development of new robust electrolyte formulation for DSSC manufacturing.