



SCS
Swiss Chemical
Society

e-Bürgenstock 2021 Presidents meet Young Fellows

Thursday, May 6, 2021 – Online Event

Junior Scientists Participation Fellowship – Guillaume Lefèvre

Guillaume Lefèvre obtained his PhD in 2012 under the guidance of Dr. Anny Jutand, investigating transition-metal-catalyzed mechanisms by electrochemical techniques and theoretical calculations. He then moved to UBC of Vancouver for a postdoctoral stay in the group of Prof. Peter Legzdins (DOW Chemicals Fellowship), working in the field of C–H activation by tungsten nitrosyl complexes. Back in France, he got a position as a CNRS fellow in 2014 and first worked with Dr. Thibault Cantat on CO₂ valorization. Since 2019, he has moved to Chimie ParisTech to develop his research on iron-catalyzed transformations in organic synthesis, with a particular emphasis on the investigation of the mechanistic facets of such systems. Those projects have been funded by the French National Research Agency (ANR, Project “SIROCCO”: **S**table **IR**On catalysts for **C**—**C** cross-coupling, Young Researchers Program 2016-2020) and, more recently, by the European Research Council (ERC StG, Project “DoReMI” : **DO**minating **RE**dox **M**echanisms in Iron-mediated C—C bond formations: reactivity, new paradigms and applications, 2020-2025).

Research topic: reactivity of organoiron compounds; application in catalytic C-C bond formation reactions: from mechanistic studies to catalyst design.