



PhD Position on Carbon Dioxide Reduction

Paris Diderot University - Laboratoire d'Electrochimie Moléculaire (LEM) UMR 7591,
France, Paris

AREAS OF RESEARCH

Organic Chemistry, Inorganic Chemistry, Electrochemistry

JOB DESCRIPTION

- 3 years fully-funded PhD studentship at REACTE Research Group, Laboratoire d'Electrochimie Moléculaire at Paris-Diderot University, France.
- The research project to be developed will examine the use of earth abundant, first row transition metal complexes as molecular electrocatalysts for Carbon Dioxide electroreduction. The work will include aspects of ligand synthesis, metal coordination chemistry (characterization and analysis), and electrocatalytic studies.
- Opportunities will also be available for travel to national and international conferences to present research results.

DESIRED SKILLS AND EXPERIENCE

- You have a B.S. in chemistry, and a M. Sc. which you earned above-average marks.
- Your M.Sc was focus on Inorganic Chemistry, Organic Chemistry or Homogeneous Catalysis.
- We expect proven experience in basic organic/inorganic characterization in solution techniques (NMR, UV-vis, IR).
- Your scientific and research profile is completed by additional knowledge of standard computer programs. You view good English language skills as a matter of course.
- In your day-to-day work, you enjoy contributing creativity and initiative, view yourself as a team player and are distinguished by strong cooperation and communication skills.

ABOUT THE EMPLOYER

Our group is recognized at an international level in the field of molecular electrochemistry and electron transfer reactivity. Our research aims at the general understanding of all aspects of electron transfer chemistry coupled to molecular changes such as proton coupled electron transfer (PCET) or bond cleavage or bond formation. The selected strategy takes advantage of the synergistic use of experimental electrochemical studies, photochemical studies, and of theoretical descriptions of the mechanistic models.

For further information on research in the REACTE Group, please visit:

http://www.lemp7.cnrs.fr/themes/LEM_1_en.htm.

WANT TO JOIN US?

- From October 2018.
- Interested candidates must send a full CV, 2 recommendation letters and cover letter explaining why you wish to work in the REACTE Group.

Please send e-mail to orestes.rivada@gmail.com.

This studentship is open until filled. Early application is strongly encouraged!