



JOB OPENING : Research Associate Chemistry - RDChem0418

A PIONEER START-UP

WOODOO is a **multi-award pioneer** startup specialized in a **groundbreaking material** based on the structural transformation of wood at both cellular and molecular levels. Translucent and performative, our material is **sustainably designed** to overcome wood's intrinsic limitations.

Initiated at **Harvard University** in 2010 in partnership with the **Media Lab, MIT** and the **WYSS Institute**, then founded in 2016 after 5 years of intensive research, WOODOO takes part in the emergence of **new eco-technological materials**, and ambitions to become a crucial actor. Our **patented** technology has been awarded multiple international innovation prizes in 2017, shedding light on the startup's ambitions to **foster sustainable building technologies and advanced materials**, starting today with the **luxury** - high-end watchmaking, and **automotive sectors**.

Where : Univ. Technologique Troyes (3 months), then Paris - France
When: As soon as possible
Contract type: Permanent
Salary: to be determined as a function of profile and experience
Contact : jobs@woodoo.fr

YOUR MISSIONS

Select and/or formulate the filling component of the wood composite: study its interactions with the wood matrix, characterize and assess material properties to generate data for existing materials or new product development.

Optimize composite fabrication process: understand the chemical interactions in play, adjust the process parameters using different industrial processing methods.

Produce prototypes for clients: identify and define technical characteristics of prototype according to client's needs, advise clients on technical specifications.

Communicate and document work in the form of internal reports/presentations, technology manuals, knowledge management resources, external reports, and patents when appropriate.

Team supervision: functional supervision of technician and interns in short term projects.

YOUR PROFILE

Your work is leading edge. Woodoo is looking for a talented Research Associate with experienced skills in one or more of the following fields: Polymer or Organic chemistry, Polymer Processing, Nanostructured, Composite materials, Physical chemistry.

You are a Post-doc, Ph.D. or exceptional M.Sc. with relevant academic and/or industrial experiences. You are creative and an expert in your field with a pioneering spirit. You wish to focus on innovation in a fast-paced working environment, setting up processes & protocols, solving challenges and working on hands-on prototyping aligned with various clients' needs. You communicate with passion and accuracy on each project you manage.

... And most of all, you wish to join an exceptional technological, environmental and human adventure !