



## *Assistant Research Scientist*

*(Life Science / Biotech area)*

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JOB LOCATION	Cilcare 378 rue du Professeur J. Blayac 34080 Montpellier France
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MORE INFO	<a href="http://www.cilcare.com">www.cilcare.com</a>

### **Recruiting company**

Founded in 2014 by a trio of visionary French women—Celia Belline, MS, Marie-Pierre Padelou, Pharm.D., and Sylvie Pucheu, Ph.D.—Cilcare has emerged as a pioneering biotechnology firm with a focus on auditory sciences. With its operational hubs strategically located in Montpellier, Paris, and Boston, the company has swiftly ascended to a leadership position on the global stage in the field of hearing science, exhibiting unique expertise in the preclinical and clinical evaluation of therapies for hearing. Cilcare's team is experienced with a track record of over 100 deals worldwide and is composed of highly qualified doctors and engineers with rare skills including electrophysiology, electroacoustics, histopathology, micro-surgery of the inner ear, biology, clinical research, data science, and Artificial Intelligence. Its scientific excellence is recognized globally by renowned Key Opinion Leaders, some of whom are part of its Scientific Advisory Board.

Cilcare's core mission is to forge groundbreaking solutions for individuals grappling with hearing disorders, considering hearing as not only the capacity to hear or understand speech, but as an entry point to global health that can play a key role in an era of medicine which is now more than ever integrating prevention to its fundamentals.

"At the core of our mission is the unwavering commitment to enhancing the lives of patients by safeguarding or restoring a fundamental sense: hearing. This pursuit is not merely a business objective; it embodies a profound public health imperative. Throughout every facet of our organization, we recognize the weight of this responsibility."



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### **The position**

We are seeking a motivated Assistant research Scientist. You will play a vital role in supporting preclinical research studies aimed at evaluating the safety and efficacy of therapeutic products including gene and cell therapies. Your responsibilities will involve assisting in the execution of various laboratory procedures, data collection, and maintenance of experimental equipment to ensure the smooth operation of preclinical studies.

### **Key Responsibilities**

**Laboratory Assistance:** Assist in the preparation and execution of preclinical experiments, including animal handling, dosing, sample collection, histology and various laboratory assays, following established protocols and procedures.

**Data Collection:** Record and document experimental data accurately and timely, ensuring compliance with data integrity and regulatory standards. Perform data entry and analysis using laboratory software and tools as required.

**Equipment Maintenance:** Maintain and calibrate laboratory equipment and instruments used in preclinical studies, ensuring proper functioning and adherence to quality control measures.

**Animal Care:** Monitoring of animal health and welfare according to institutional guidelines and regulations.

**Inventory Management:** Monitor inventory of laboratory supplies, reagents, and experimental materials, ensuring adequate stock levels and timely procurement as needed.

**Quality Assurance:** Assist in maintaining compliance with regulatory requirements and quality assurance standards, participating in internal audits, documentation review, and corrective actions as necessary.

**Collaboration:** Collaborate with research scientists, study managers, operations directors, and other team members to coordinate study activities, troubleshoot issues, and achieve project milestones.

### **Essential duties:**

### **Required Expertise in In-Vivo Techniques:**

- Proficient in handling and working with rodents, including mice, rats, and guinea pigs.
- Familiarity with common techniques used in preclinical pharmaceutical experiments involving rodents.
  - Drug administration methods for rodents: systemic (oral gavage, intravenous (IV), intraperitoneal (IP), subcutaneous (SC), intramuscular (IM)).



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- Sample collection techniques : blood, brain, peripheral organs.
- If possible, experience in drug administration techniques specific to the ear, such as trans-tympanic (TT) and intra-cochlear (IC) administration in rodents.
- If possible, competence in sample collection and preparation, including but not limited to tympanic bulla, cochlea, blood, cerebrospinal fluid (CSF). Experience with inner ear fluids (IEF) would be advantageous.
- If possible, knowledge of experimental audiometry techniques, including auditory brainstem response (ABR) and distortion product otoacoustic emissions (DPOAE).

### **And/Or required Expertise in Ex-Vivo Techniques:**

- Expertise/Knowledge in histological analysis, if possible, applied to the cochlea:
  - o Organ dissection
  - o Inclusion of organ/tissue in different matrix
  - o Immunostaining
  - o Knowledge in Microscopic acquisition (optic, fluorescence and confocal)
  - o Cell counting

### **Qualifications**

- Bachelor's degree (>Bac +2) in biology, pharmacology, veterinary science, or a related scientific field.
- Previous experience working in a laboratory or preclinical research setting is preferred.
- Familiarity with laboratory techniques, experimental procedures, and data collection methods used in preclinical studies.
- Keen attention to detail, organizational skills, and ability to follow standard operating procedures (SOPs) and safety protocols.
- Proficiency in basic computer skills and software applications used for data entry and analysis.
- Ability to work effectively in a team environment, communicate clearly, and collaborate with colleagues from diverse backgrounds.
- Willingness to work with laboratory animals and adhere to ethical standards and animal welfare regulations.
- Certification in laboratory animal science (LAS) or related field is a plus (certificat d'expérimentation animale)
- If possible, can write, speak and understand English