

## Call for candidates

# Professor in preclinical or translational research in neonatal or pediatric critical care

N° 06904

Posting period: March 27, to June 26, 2024, 5 PM

**JOB DESCRIPTION:** Professor

**LOCATION:** Health Campus

**STATUS:** Regular

**ADMINISTRATIVE UNIT:**

Faculty of Medicine and Health Sciences

Department of Pediatrics

**SCHEDULE:** tenure-track assistant professor



The [Université de Sherbrooke](#) is seeking applications for a position as professor whose research program focuses in preclinical or translational research in neonatal or pediatrics critical care. This is a full-time tenure track position in the [Pediatric Department](#) of the [Faculty of Medicine and Health Sciences](#).


### About the Faculty

Basic, applied and clinical research are key strengths of our institution. The Université de Sherbrooke Faculty of Medicine and Health Sciences enjoys a first-class reputation thanks to its educational innovations, its constant adaptation to society's changing needs and to the success of its world-class research teams. It stands out among the international elite as the only faculty in Canada and the only Francophone faculty in the world to be designated a World Health Organization Collaborating Centre on Health Science Education and Practice.

### About the Department

The Pediatrics Department has 74 professors, including 10 recognized research teams led by clinical investigators or fundamental researchers.

Members of the department teach in the MD program and the graduate programs in Immunology, Physiology, Health Sciences, Radiation/Imaging Sciences and Biochemistry. The ongoing



construction of the new mother-child care centre will soon provide the ideal conditions for the transfer of knowledge in areas ranging from preclinical research to pediatric patients.

### **Profile desired**

We are seeking exceptional candidates with a PhD degree with postdoctoral expertise in preclinical or translational research applied to critical care in neonatology or pediatric, with experience in preclinical large animals models. This preclinical research training should be applicable to critical care in the areas of respiratory or cardiovascular, neuroinflammation or neurodevelopment; it can also be in the field of critical care in the broad sense, including the development of biomedical technologies.

The Department of Pediatrics is especially eager to bridge the gap between research in neonatal respiratory pathologies – which represents a 40-year-old tradition in our institution – and research centers in critical care, neuroscience, imaging and physiology. The availability of models on large animals (sheep and pigs) is a major asset allowing in the development of a research theme that faithfully reproduces the care offered to newborns and children in the context of intensive care. The candidate will have to develop his own research program, but will also have to establish rich collaborations with researchers in basic and clinical sciences, in a unique environment allowing him to stand out from the researchers of other institutions in Quebec and Canada.


The research program should be structured around critical care in neonatology or paediatrics, as well as to the long-term consequences resulting therefrom.

The successful candidate must establish and maintain an independent, externally funded research program and obtain salary support from external sources (e.g. FRQS). The successful candidate must collaborate actively with researchers in the Department of Pediatrics, especially with the ovine research team. The candidate is also expected to collaborate with researchers from the Université de Sherbrooke Centre of Excellence for Maternal-Child Research and with members of the Université de Sherbrooke Centre of Excellence for Neurosciences. Collaborations may also be developed with researchers from the Department of Immunology and Cell Biology and the Sherbrooke Molecular Imaging Centre. These internationally recognized groups constitute ideal settings for the development of an active and innovative research program and strong leadership on the national and international stages. All Faculty of Medicine and Health Sciences researchers have access to state-of-the-art scientific equipment and to an interdisciplinary research environment

The successful candidate must have experience in teaching at undergraduate and graduate levels. Knowledge of French, or a commitment to learn the language in the short term, is essential.

### **Main duties**

- Teach at undergraduate and graduate levels.
- Develop an independent research program structured around critical care in neonatology and/or paediatric.
- Supervise graduate and doctoral students.

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- Participate in university life.
  - Contribute to community service.

## Qualifications

- Hold a PhD degree with postdoctoral expertise in preclinical research on large animals applied to critical care in neonatology or pediatrics.
- Have a marked interest in university pedagogy and teaching as well as for research, development, and innovation.
- Have a marked interest in research (disciplinary, interdisciplinary) and in the transfer of knowledge and innovation.
- Demonstrate good ability to supervise graduate students.
- Have a publication record in peer-reviewed journals of international standing, testifying to an excellent research record.
- Demonstrate skills in establishing and maintaining good interpersonal relations, a sense of collaboration, and teamwork skills.
- Demonstrate qualities of leadership and initiative as well as outstanding skills in communicating and effectively and harmoniously interacting with various internal and external partners.
- Ability to comply with the requirements of [responsible research conduct](#).
- Have the ability to teach in French or to achieve this ability in a reasonable period of time.

## Work conditions


The working conditions are governed by the collective agreements in force.

Regular full-time tenure-track position.

Anticipated start date: 2024.

## Equity, diversity and inclusion

The Université de Sherbrooke (UdeS) values equity, diversity, equality and inclusion in employment within its community and invites all qualified individuals to apply, particularly women, members of visible and ethnic minorities, Aboriginal peoples and [persons with disabilities](#) in compliance with the Quebec Act respecting equal access to employment in public bodies. The



screening and assessment tools can be adapted according to the needs of persons with disabilities who request them, and this, in complete confidentiality. The Université de Sherbrooke also encourages people of all sexual orientations and gender identities to apply. Priority will be given to Canadians and permanent residents. [Learn more about equity, diversity and inclusion at UdeS.](#)

## Application process

Check our website then submit your application online. For this opportunity, see offer 06904.

Direct link: <https://www.usherbrooke.ca/emplois/offre/no/06904>

The deadline for submitting applications is 5 p.m. **on June 26, 2024.**

Please attach:

1. Your curriculum vitae
2. A motivational letter
3. A research-program proposal. The research-program proposal (maximum of two pages) should, in particular, broach the main axes in relationship to your past targeted objectives, brief program of activities, integration with the priority themes of the Faculty, training of highly qualified personnel who will be called on to take part, funding options and networking;
4. Reprints of your most relevant recent contributions;

In addition, please send three (3) letters of recommendation, directly from the signatories, to the following address:

Frédéric Dallaire MD PhD  
Directeur du Centre de recherche mère-enfant  
Faculté de médecine et des sciences de la santé

**Job posting 06904**

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