

CALL FOR APPLICATION

INSERM CHAIR Recruitment

Host Response to Infectious Agents During Sepsis

The Inserm chair recruitments opened to Inserm are intended for researchers with strong potential to manage and lead research teams and participate in national, European or international projects.

This recruitment, based on research and teaching projects, is aimed at researchers with a doctorate or equivalent and a first post-doctoral experience. The position is offered on a fixed-term contract (CDD) with a view to tenure in the Inserm Research Directors personnel at the end of the contract.

Application on EVA: <https://eva3-accueil.inserm.fr/sites/eva/chaieres/2023/session2/Pages/default.aspx>



Supporting institution:	Inserm : Institut national de la Santé et de la recherche médicale
Name of the head of the institution:	Pr. Didier Samuel
Academic region:	Nice
Location/ Site concerned:	Centre Méditerranéen de Médecine Moléculaire (C3M) U1065 Inserm
Partner institution:	University of Côte d'Azur
Research contact Administrative contact	Laurent.BOYER@univ-cotedazur.fr chaieres-professeur-junior@inserm.fr
Research fields EURAXESS :	Medical Sciences
Keywords:	Host-pathogen interactions, immune responses, inflammation, infectious diseases, Sepsis.

Job title to be filled:	Chaire réponse de l'hôte aux agents infectieux au cours du sepsis
Body after tenure:	Research Director
Anticipated duration of the contract:	3 to 5 years
Scientific domains/fields:	Life Science, Immunology, Microbiology, Infectious diseases

Corresponding specialized scientific commissions (CSS):	CSS5 : Immunologie, Microbiologie, Infection
Project name:	Host Response to Infectious Agents During Sepsis

Funding :	
ANR package :	200k€
Co-funding	50k€
Total project	250k€

Remuneration package	3 500€ - 5 000€ according to research experience
Quota	Full Time

Strategy of the host institution:

The proposed Chair will allow Inserm to recruit a researcher with expertise in host responses to infectious diseases with a focus on Sepsis. The proposed Chair is in line with the main Inserm objective: "Improve the health of all by improving our fundamental and disease-related knowledge and by innovative public health research and treatment". This recruitment is also expected to contribute to the international attractiveness of Inserm and the host center C3M. It will reinforce the Infectious disease and Inflammation axis of C3M and the Immunity department of University Côte d'Azur.

Strategy of the host laboratory:

The C3M is a research center located within the CHU de Nice and promoting the science from fundamental to translational research. The work carried out in the laboratory ranges from the identification of new molecular players and the exploration of immune signaling pathways in various cells (professional immune cells or not), to the development of infection models and/or the analysis of clinical samples with the goal of developing innovative diagnostic tools or therapies.

Summary of the scientific theme:

The project aims to explore the host response to pathogens contributing to Sepsis. This aim will be achieved by investigating immune responses to various pathogens including viruses, bacteria or parasites.

Depending on the profile of the candidate, this project will be developed as a group leader within the host team "Microbial Virulence and Inflammatory Signaling" at C3M (www.c3m-nice.fr/en/Teams/team-06) or as an independent team leader. The project will be developed in close collaboration with the CHU de Nice and in line with the 2017 resolution of the WHO recognizing sepsis as a global public health priority. In this context, better understanding the mechanisms of sepsis is a major challenge for discovering tomorrow's tools for early diagnosis and considering new treatments.

Our research program promotes a translational and multidisciplinary approach to explore molecular and cellular mechanisms controlling Sepsis. The recruited researcher will be using integrative approaches and/or innovative research models of host-pathogen interaction (cellular, animal, ex-vivo, organ-on-a-chip...) as well as patient-derived biological materials to identify or explore host immune mechanisms. This could be related

to the identification of pre-existing factors sensitizing to infectious diseases, and the study at the molecular or cellular level of the immune responses to pathogens during infection.

Summary of the teaching project:

The recruited researcher will be involved in the teaching of Microbiology and Immunology modules of the Master's degree at the University Côte d'Azur (2 hours/year). The candidate will also be involved in the organization of interdisciplinary workshops organized within the Labex Signalife.

Scientific dissemination/ Open Science :

Our ambition is to create a solid scientific environment that will lead to major publications of both the candidate and the host laboratory. Scientific dissemination will occur through presentations to international scientific meetings, publications and patents. To this aim, results will be submitted before publication to the Inserm-Transfer OTT to take on the valuation statement of the project including intellectual property, benchmarking, and identification of potential industrial partners. We believe the proposed host environment will be a springboard for the candidate to obtain both national and European grants.

Open Science :

The C3M is an Inserm unit committed to open science. Our publications are made available in HAL and we are always giving high priority to Open Access journals. The large amount of data produced in the unit are available through publications and dedicated public databases. The candidate's project will be included in our unit open science framework.

Science and society:

The C3M is in direct relation with the clinical units of the Centre Hospitalier de Nice. Among them, the microbiology and infectious disease departments are involved in each step of our research allowing the transfer to the patient's benefit. The C3M is also very active in the dissemination to the public through various media (TV, newspapers or social media), in organizing or participating in open conferences (Fête de la Sciences, Nuit des chercheurs) or actions with local school pupils and high school students for awareness-raising actions (Destination labo, Olympiades Nationales de Biologie). The public will also be informed of our discoveries through national or international publicity via our institutions (Inserm and Université Côte d'Azur) and via the CHU de Nice, which will raise public awareness.

Selection of candidates:

It is expected the recruited researcher to become rapidly a group leader in the team. So the candidate should demonstrate ability to supervise Ph.D students, post-doctoral fellow and technical support staff. She/he should have the capacity to obtain competitive funding to manage her/his group.

Successful candidates are chosen by a selection commission composed of six to ten members, the majority of whom are specialists in the fields of research concerned.

The commission carries out an initial examination of the applications, focused in particular on candidate experience and skills relative to the research and teaching project presented above. A shortlist of candidates

is then selected for interview.

Only candidates selected by the selection committee on the basis of their applications will be invited to interview.

The interviews are followed by a deliberation during which selection commission will discuss the quality, originality and, where appropriate, the interdisciplinarity of the research and teaching projects presented by the candidates, their motivation and their scientific and teaching supervision capacity.

The candidates selected at the end of the selection process will be offered a researcher contract, following approval from the President and CEO of Inserm.

Required profile:

Education Level : **Phd**

Researcher Profile : R3/R4

R3 Established researcher A stage in a researcher's career describing those who have developed a level of independence and can be described as an established researcher

R4 Leading Research A stage in a researcher's career where they can be termed a 'leading researcher'. This would include the team leader of a research group or head of an industry R&D laboratory.

Your application will be evaluated according to the following criteria :

- Relevance and originality of the project related to the research field
- International exposure in research projects
- Your ability to raise funds
- Participation in editorial and reviewing activities
- Your teaching experience
- Your ability to lead a team...

Indicators:

Project realization will be followed with the following indicators:

- number of research publications and patents
- number of research project grant submitted
- number of students and postdocs formed
- number of research communications during conferences
- involvement in the institute scientific animation

Application instruction :

Applications can be submitted online at [EVA](#).

Deadline application: 11th September 2023

Please complete the scientific file in English.

It is imperative to contact the laboratory corresponding to the Chair you have applied for in order to build the project with them.

Position also open to 'Bénéficiaires de l'Obligation d'Emploi' (disabled persons), as defined in article 27 of law no. 84-16 of January 11, 1984 on statutory provisions for the civil service.