

RECRUITEMENT NOTICE 2023

Chaire de Professeur Junior (CPJ)

For a period of:3 years

Recruitment for a research and teaching project on a fixed-term contract known as the " Chaire de Professeur Junior " aims to allow the candidate, after evaluation of its scientific value and professional aptitude, to access a permanent position as university professor.

Details regarding the recruitment process and the contract are available online:
<https://www.uca.fr/universite/travailler-a-luca/recrutement-chaire-professeurs-juniors>

Job description and project statement

Title of contract and position to be filled: Junior Professor in Pain

Position: University Professor

Hosting institution: Clermont Auvergne University

Name of the head of establishment /organization: Mathias BERNARD

Workplace: Dunant site

Academic region: Auvergne Rhône Alpes

Position number: PR0003

Component: UFR de Médecine et des Professions Paramédicales

Laboratory: Neuro-Dol Inserm/UCA U1107

Partners institutions/organizations: CHU (University Hospital)

Project name: Neuromodulation, a new alternative for treating chronic pain

Keywords: neuropathic, neuromodulation

Intended duration: 3 years

Scientific theme: Neurosciences

Corresponding CNU/CoNRS/CSS section(s): CNU 69 and health section 49.01/CSS4 (Neurosciences)

Research fields EURAXESS:

<i>Champs 1</i>	<i>Sous-champs 1</i>	<i>Champs 3</i>	<i>Sous champs 3</i>
Medical sciences	Medicine	Neurosciences	Neurology
<i>Champs 2</i>	<i>Sous champs 2</i>	<i>Champs 4</i>	<i>Sous-champs 4</i>
Neurosciences	Neurophysiology		

Job profile:

The person recruited will teach in the University's Odontology and Medicine departments. He/she will contribute to the research on neuromodulation for analgesic purposes within the Neuro-Dol laboratory.

Settlement strategy:

This project is in line with the desire of Inserm and the University of Clermont Auvergne (UCA) to support research on pain. Indeed, chronic pain affects 25% of the population, preferentially women and the lowest socio-professional categories, and its prevalence increases with age. It has a negative impact on the quality of life of patients, altering their daily activities, their mobility, their sleep, their family and social life. It is also a major cause of depression, with an estimated 50% of patients with chronic pain having a major depressive disorder. This places a considerable burden on the healthcare system, with approximately 300 billion euros spent on it for the whole of the EU, or 1.5 - 3% of gross domestic product. One of the bottlenecks in the field of translational and clinical pain research is an insufficient critical mass of researchers to reach the very high level. To remedy this, it is necessary to recruit world-class leaders in the field. The request to open a position within the Neuro-Dol unit (UCA), directed by Radhouane Dallel, is strongly supported by the Dean-Director of the UFR of Medicine and Paramedical Professions and the President of the University Clermont Auvergne. The UMR and the UCA are ready to support the deployment of the project with their own human and financial resources.

Host laboratory strategy:

Neuro-Dol has a proven international reputation for the quality of its preclinical research activity. Clinical research, although solid and well established, has not reached a critical mass of researchers. At the national level, D Bouhassira and L Garcia-Larrea, directors of the only two Inserm teams with clinical research activity on pain, are retiring in two years and have no successor. Neuro-Dol must take over this leadership.

The Junior Professorship project is at the interface of major strategic axes of the Auvergne-Rhône-Alpes region: 1) translational research; 2) research in the field of mental health, since anxiety and depression are major comorbidities of chronic pain; 3) non-pharmacological therapeutic innovation and its clinical evaluation.

The candidate will benefit from Neuro-Dol's scientific expertise (behavioral and electrophysiological studies in humans and animals), its own resources (biostatistical support, exploration platforms in humans, rTMS neuronavigation equipment) and privileged access to the imaging platform (3T MRI for fMRI). Very close links with the clinical services of the CHU (Neurology, Neurosurgery, Psychiatry, Odontology, Imaging) will allow a structured and accompanied access to patients.

Science project summary:

Neuropathic pain and chronic migraines (7% and 3% of the general population) have a major impact on patients' lives, have important societal repercussions and remain difficult to treat. Anxiety and depression comorbidities (>30%), could contribute to their pathophysiology, via a dysfunction of the endogenous pain modulation systems (EMMS).

The project aims at validating new therapeutic strategies against these pains thanks to non-invasive brain neuromodulation (rTMS, tDCS). The development of these innovative techniques is still limited by the low number of data on the profile of responding patients, the optimal conditions of long-term use, and the mechanisms of action.

Our results have shown the efficacy of non-invasive brain neurostimulation, but without characterizing it on a large scale, nor testing the hypothesis that the state of the SEMD plays a key role in the response to treatment. It is now necessary to: 1) characterize the alterations of the SEMD by psychophysical and functional neuroimaging approaches, to obtain personalized predictive biomarkers; 2) validate strategies for long-term maintenance of the analgesic effects of neuromodulation; 3) analyze the cellular and molecular mechanisms involved using animal models of chronic pain.

Location: Neuro-Dol, Inserm/UCA U1107

Name of the laboratory director: Radhouane DALLEL

📞 Laboratory director: +33 (0)4 73 17 73 13

@ Laboratory director: radhouane.dallel@uca.fr

Lab URL: <https://neurodol.uca.fr/>

Teaching project summary:

The skills provided by the Junior Professor Chair will be part of the current dynamics of the UFR of Medicine and Paramedical Professions with teaching on pain set up in the first year of studies in health and rehabilitation professions (PASS and Portail-Réadaptation). In the following years, the Chair will enrich and complete the training courses in this field, currently offered within the UFR of Medicine and the SVSAE doctoral school. In particular, the Chair will make it possible to strengthen the possibilities of hosting M2 and PhD students for clinical research projects in pain.

The candidate should be able to contribute to

- to the program of new courses on pain and neurophysiology in M1/M2
- the Pain Capacity teaching program
- the pain school project supported by the SFETD
- the supervision of students, the juries for laboratory internships, the transversal courses (bibliographic work, Journal Clubs, experimental practices in humans)
- the functioning of the SVSAE Doctoral School: supervision of doctoral students, grant juries, methodological workshops.

Location: UFR de Médecine et des Professions Paramédicales – Université Clermont Auvergne

Name of the Director of the component: Pierre CLAVELOU

☎ Department director: +33 (0)4 73 17 79 01

@ Department director: pierre.clavelou@uca.fr

Financial summary:

- 2 PhD students for 3 years: 200 k€
- Post-doctoral fellow for 18 months: 75 K€
- Equipement et consommables: 65 K€
- Analyses: 30 K€
- Other (Missions and travel expenses): 40 K€

Total financed on CPJ (Including ANR package)	365 K€
UCA (doctoral allowance)	100 K€
UCA Foundation (mobilization on sponsorship)	60 K€
Co-financing (Neuro-Dol)	50 K€
Project total	575 k€

Scientific dissemination:

The results of the project will be published in peer-reviewed journals of the specialty and generalist journals, presented in the form of oral communications and posters at national and international conferences in the fields of Neuroscience, Neurology and Pain (Society for Neuroscience (SFN), FENS, International Association for the Study of Pain (IASP), EFIC, SFETD, JNLF, ...)

Open science:

All studies will be pre-registered on a freely accessible database (clinicaltrials.gov). Publications will be deposited on HAL, in accordance with Inserm policy.

Science and society:

The project and the results will be communicated to the general public in several ways:

- by popularization conferences in educational and cultural institutions or during national events such as Brain Week or the Fête de la Science;
- by press releases to local and national media (newspapers, radios, TV channels).

Indicators:

A mentorship will be set up with the UCA to accompany and advise the candidate on administrative, regulatory, HR and financial aspects, and to seek solutions in case of difficulties. A quarterly scientific review will be carried out with the director of the unit to monitor the progress of the project (experiments in progress, publications and valorization of results), the search for additional funding, the difficulties encountered and possible reorientations. This follow-up aims to ensure the best conditions for a tenure at the end of the Chair.

Profil required

- Experience in clinical research
- Expertise in neuromodulation techniques

Job attractiveness measures

- The Junior Professor has a teaching service obligation on an annual basis of 64 hours HTD without the possibility of doing complementary courses;
- He/she will be accompanied throughout the project by a scientific advisor;
- The gross annual remuneration is: 41 331 € (on the basis of the INM 735)
- An additional salary is planned to bring the remuneration to 60 000€ gross per year
- Candidate physicians will have the possibility to combine this remuneration with a hospital activity

Modalities of organization of the hearings

Only candidates who have been selected by the selection committee will be invited to the audition.

Planned situational setting OUI NON

The audition will last 45 minutes: it will begin with a 25-minute presentation of the candidate's scientific and pedagogical background, motivations, and research and teaching projects, and will conclude with a 20-minute discussion with the members of the selection committee.

At the end of the hearings, the committee will decide on the merits of the candidates, taking into account the quality and originality of their research projects, their motivations, their forward-looking vision of the field and their capacity for scientific and teaching supervision.

NOMINATION PROCEDURE AND TIMETABLE

Candidates must **imperatively** enter their declaration and submit the documents on the website GALAXIE/FIDIS: <https://galaxie.enseignementsup-recherche.gouv.fr/antares/can/astree/index.jsp>

Opening of registrations on GALAXIE: **April 21, 2023, 10 a.m. (Paris time)**,
deadline for submission of the file on GALAXIE/FIDIS: **May 22, 2023, 4 p.m. (Paris time)**

Any file that is still incomplete on the deadline will be declared inadmissible.

YOUR APPLICATION FILE

References:

- Decree No. 2021-1710 of December 17, 2021 relating to the junior professor chair contract provided for by article L. 952-6-2 of the education code and by article L. 422-3 of the code of the research
- Order of 6 February 2023 setting the procedures for applying for recruitment by way of junior professorship contract

The candidates send a file **in digital version** to the President of the University Clermont Auvergne. The file is accessible to the members of the selection board.

In accordance with [article 26 de l'arrêté du 6 février 2023](#), the application file includes the **following documents**:

- 1) The application form entered online (under Galaxie/Fidis);
- 2) Both sides of an identity document with photograph
- 3) A document attesting to the possession of a doctorate, as provided for in article L612-7 of the education code, or for candidates who do not hold a doctorate, a diploma whose equivalence is recognized by the Council of Staff of Teachers and Teacher Researchers (CP2E) of UCA, according to the procedure set out in 1°) of article 5 of decree 2021-1710 of December 17, 2021;
- 4) The diploma defense report produced (Thesis defense report);
It is recommended that the document be on university letterhead with the names of the referees identifiable.
- 5) An analytical presentation of the work, books, articles, achievements and activities related to the profile of the position in question, mentioning those that the candidate intends to present at the audition, **produced on the model of the " fiche de candidature CPJ » (to be downloaded from the CPJ page of the Galaxie portal or [click here](#))**
- 6) Full work of each astide, book or achievement the candidate wishes to present during the audition. (max 6 documents)

French translation of certain documents:

The administrative documents (documents 2 and 3) as well as the defense report written in whole or in part in a foreign language must be accompanied by a translation into French, of which the candidate certifies compliance on honor. Otherwise, the file is declared inadmissible.

The translation of the analytical presentation as well as the works, books, articles and achievements is optional.

In the event of multiple applications, the candidate must compile a file for each position for which he/she wishes to apply.

Warning:Galaxie/Fidis is not compatible with the use of a tablet or smartphone, please use a computer only.



ADDITIONAL INFORMATION

Additional information on recruitment and the characteristics of this UCA contract are available on the Clermont Auvergne University website: www.uca.fr, "University" tab then "Working at UCA" then "Recruitment of teaching staff" and "Recruitment of Junior Professor Chair": please [click here](#)

YOUR APPLICATION AND STAFFING SCHEDULE

Dematerialized application:

You will not receive any paper documents from the University.

The GALAXIE/FIDIS module will allow you:

- to monitor your application(s) and the processing status of each file,
- to learn about the result of the recruitment,
- to formulate, if necessary, your acceptance of position.

Provisional timetable:

- **Collection of applications:** until May 22, 2023 until 4:00 p.m. (Paris time)
- **Selection of applications and auditions*:** May - June 2023
- **Entry into office:** From September 1, 2023

* See the calendar on the UCA website: <https://www.uca.fr/universite/travailler-a-luca/recrutement-chaire-professeurs-juniors>