Univ. Grenoble Alpes
Université de l'innovation

FICHE NAVETTE : Chercheurs IDEX (hors doctorants)

SECTOR: Higher Education Institution

INSTITUTION: **Univ. Grenoble Alpes, University of Innovation**

One of the major research-intensive French universities, Univ. Grenoble Alpes**[1] enjoys an international reputation in many scientific fields, as confirmed by international rankings. It benefits from the implementation of major European instruments (ESRF, ILL, EMBL, IRAM, EMFL*[2]). The dynamic ecosystem, grounded on a close interaction between research, education and companies, has earned Grenoble to be ranked as the 5th most innovative city in the world. Surrounded by mountains, the campus benefits from a natural environment and a high quality of life and work environment. With 7000 foreign students and the annual visit of more than 8000 researchers from all over the world, Univ. Grenoble Alps is an internationally engaged university.

A personalized Welcome Center for international students, PhDs and researchers facilitates your arrival and installation.

In 2016, Univ. Grenoble Alpes was labeled «Initiative of Excellence ". This label aims at the emergence of around ten French world class research universities. By joining Univ. Grenoble Alpes, you have the opportunity to conduct world-class research, and to contribute to the social and economic challenges of the 21st century ("sustainable planet and society", "health, well-being and technology", "understanding and supporting innovation: culture, technology, organizations" "Digital technology").

* ESRF (European Synchrotron Radiation Facility), ILL (Institut Laue-Langevin), IRAM (International Institute for Radio Astronomy), EMBL (European Molecular Biology Laboratory), EMFL (European Magnetic Field Laboratory)

Key figures:

- + 50,000 students including 7,000 international students
- 3,700 PhD students, 45% international
- 5,500 faculty members
- 180 different nationalities
- 1st city in France where it feels good to study and 5th city where it feels good to work
- ISSO: International Students & Scholars Office affiliated to EURAXESS

LOCATION: France, Grenoble

MANDATORY REFERENCES:
CDP TITLE: Origin of Life
JOB PROFILE (Title): *Molecular diversity in planetary atmospheres and small bodies*
SCIENTIFIC HOSTING DEPARTMENT (LABORATORY'S NAME): *IPAG*
SUPPORTER'S NAME: *Véronique Vuitton*
CONTACT: *veronique.vuitton@univ-grenoble-alpes.fr*

1 Univ. Grenoble Alpes

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RESEARCH FIELD (cf mots clefs sur Euraxess Jobs): Astrophysics and Planetary Sciences
RESEARCHER PROFILE:

- ■ *Recognized researcher (PhD holder not yet fully independent)*
- ■ *Established researcher (Researchers who have developed a level of independence)*
- □ *Leading researcher (Researchers leading their research area or field)*

JOB PROFILE (Description):

Université Grenoble Alpes invites applications for a 2-year postdoc position *in laboratory astrochemistry.* The position will be hosted at the Institut de Planétologie et d'Astrophysique de Grenoble (IPAG) with a preferred starting date of July 1, 2019. The postdoc will be expected to carry out original research related to the formation and evolution of complex organic matter in the solar system (and beyond) through the characterization at molecular level (Orbitrap mass spectrometry / liquid chromatography) of laboratory analogues (tholins / yellow stuff) and/or extraterrestrial samples (carbonaceous chondrites / micrometeorites).

The objective is to recruit an outstanding candidate motivated in developing a research topic as part of the Université Grenoble Alpes project « Origin of Life ».

The cross-disciplinary project « Origin of Life » (funded by Univ. Grenoble Alpes IDEX, https://origin-life.univ-grenoble-alpes.fr) brings together the expertise of astrophysicists, astrochemists, planetary scientists, prebiotic chemists, biologists, geologists and paleontologists. It aims to understand the chemical processes that have led to life on Earth, to define habitability conditions for both Solar System planets and exoplanets, and to detect the most favorable exoplanets where to search for a putative existence of life in a near future. The partner laboratories and the main science topic of « Origin of Life » are IBS (extremophile science and metallo-prebiotic chemistry); DCM (prebiotic chemistry); GRESEC (media science); PCV (photosynthetic organisms); IPAG (Interstellar medium, star and planet formation, Exoplanets, Solar System); ISTerre (Earth Science, Solar System) and LECA (Evolutionnary sciences, Paleogenetics).

Applicants must hold a Ph.D. with a solid background in laboratory astrophysics and/or analytical chemistry and have strong interest in planetary sciences and/or cosmochemistry and/or astrobiology. Experience in mass spectrometry and/or liquid chromatography and/or scientific programming (Python, C++, IGOR) is an asset. The successful candidate will join the mass spectrometry group of the "planeto" team (~20 faculties, technicians, postdocs and students) and will closely work with Dr. Véronique Vuitton (PI of the research project) and with other colleagues at IPAG (F.-R. Orthous-Daunay, L. Flandinet). The mass spectrometry group has a solid experience in Titan's atmospheric chemistry as well as in the evolution of the organic matter present in small bodies (comets, meteorites) and is currently expanding its interests to Pluto and extrasolar planets. It has also significantly contributed to several space missions (e.g. Cassini-Huygens and Rosetta). Before applying, we encourage candidates to contact veronique.vuitton@univ-grenoble-alpes.fr.

Application files should include a research project (2-3 pages), a detailed curriculum vitae with a description of past research, a list of publications and the names of at least two persons who can be contacted for letters of references. Short-listed candidates will be interviewed in May (by video-conference if desired).

Annual gross salary is 28500 euros for a candidate without research experience after PhD. The position is accompanied with a financial support to carry out the research project consisting of up to 10000 euros for

basic equipment and travel resources. The postdoc will be employed by the Université Grenoble Alpes that is a major player in higher education and research in France (http://www.univ-grenoble-alpes.fr/en/). The position is located in Grenoble, which is a university town located in a beautiful alpine environment.

Required languages: *English*

TYPE of CONTRACT: temporary, 24 months
JOB STATUS (Full time or part time): Full time
HOURS PER WEEK: 35
OFFER STARTING DATE: *1 July 2019*
APPLICATION DEADLINE: *15 April 2019*

ELIGIBILITY CRITERIA

Applicants must hold a PhD degree (or be about to earn one) or have a University degree equivalent to a European PhD (8-year duration)

Applicants will have to send an application letter in English and attach:
- Their last diploma
- Their detailed CV
- Their list of publications
- Their research projects
- Letters of recommendation are welcome.

Address to send their application to: veronique.vuitton@univ-grenoble-alpes.fr

SELECTION PROCEDURE

Application deadline: *15 April 2019 at 17h00* (CET)

Applications will be evaluated through a three-step process:

1. Eligibility check of applications on *20 April 2019*
2. 1st round of selection: the applications will be evaluated by a Review Board. Results will be given on *15 May 2019.*
3. 2nd round of selection: shortlisted candidates will be invited for an interview session in Grenoble (or by video-conference) before *1 June 2019.*

CO-FINANCEMENTS : préciser en cas de Co financements l'institution partenaire et la durée du co-financement.