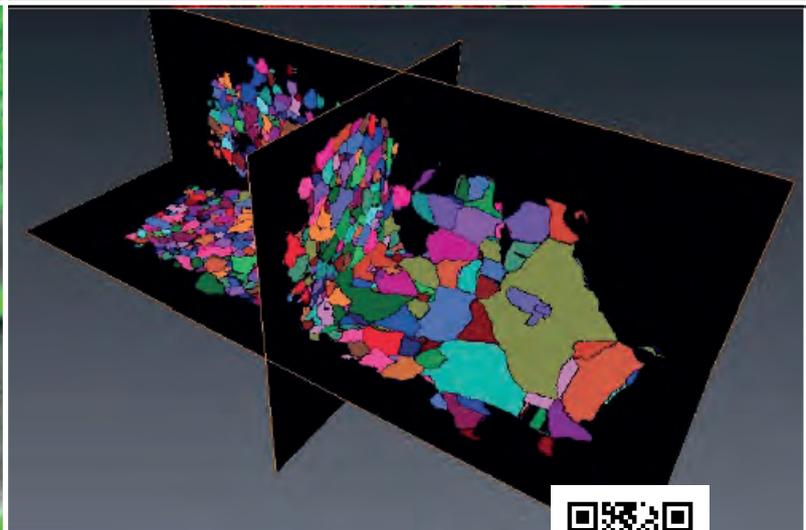
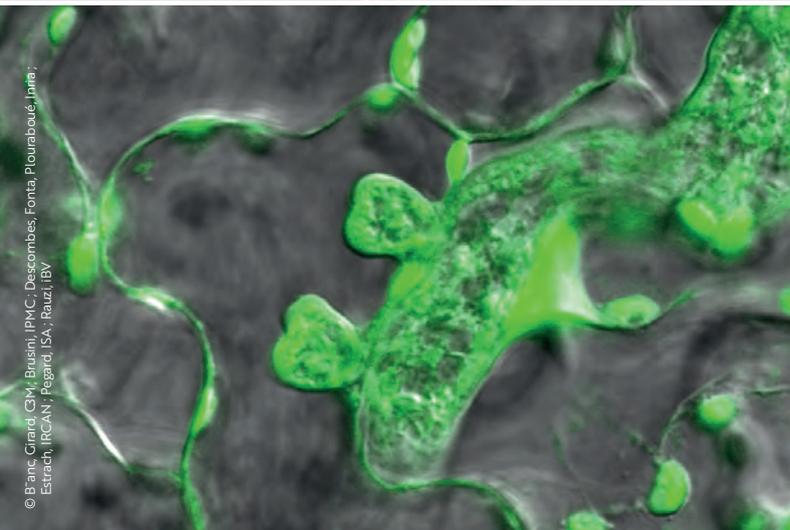


Recruitment of  
**5 CHAIRS OF  
EXCELLENCE**  
*in Cell Signaling*



**5 Research Institutes in Nice,  
Sophia-Antipolis - FRANCE**

- C3M, Centre Méditerranéen de Médecine Moléculaire
- iBV, Institut de Biologie Valrose
- IPMC, Institut de Pharmacologie Cellulaire et Moléculaire
- IRCAN, Institute for Research on Cancer and Aging, Nice
- ISA, Institut Sophia Agrobiotech



Deadline March 1<sup>st</sup>, 2021

<https://signalife.univ-cotedazur.fr/>



## Call for Chairs of Excellence- Labex SIGNALIFE

The Laboratory of Excellence for Innovation in Signal Transduction Pathways in Life Sciences ([Labex SIGNALIFE](#)) brings together high-profile researchers from five institutes of biology ([Centre Méditerranéen de Médecine Moléculaire](#), [Institut de Biologie Valrose](#), [Institut de Pharmacologie Moléculaire et Cellulaire](#), [Institute for Research on Cancer and Aging, Nice](#) and [Institut Sophia Agrobiotech](#)) and one research Institute for Digital Science and Technology ([Inria](#)) at [Université Côte d'Azur](#) in Nice, France. The common goal of the SIGNALIFE teams is to study signaling pathways from their architecture to their modulation, in order to understand their role in the development and the functions or dysfunctions of organs and organisms. Various biological models are used, and the applications resulting from basic and translational research include biomedical research, pharmacology, development and agriculture.

To strengthen its research on signaling pathways, SIGNALIFE is launching an international call for **Chairs of Excellence** to recruit scientific leaders who will establish new research groups in each of the SIGNALIFE institutes of biology. Applications are open to candidates of any nationality, including researchers with a permanent position in France, but candidates must not be working in a SIGNALIFE laboratory at the time of their application. The proposed project should be ambitious and relate to the scientific axes of the SIGNALIFE program: Cellular Architecture of Signaling Pathways (axis 1), Plasticity of Signaling (axis 2), Stress Signaling (axis 3), Signaling in Aging and Disease Progression (axis 4) and New principles in Signaling and Applications, possibly in association with Inria (axis 5). The added value of the proposal to the SIGNALIFE network will be an important selection criterion.



For this Chairs of Excellence call, the Centre Méditerranéen de Médecine Moléculaire (C3M <http://www.unice.fr/c3m/>) is looking for an **internationally renowned researcher or a young researcher with a strong track record** to develop a project in line with cancer (melanoma, lymphoma/leukemia, prostate, lung or liver cancer), cardiometabolic diseases (obesity, type 2 diabetes and cardiovascular diseases), and immune/inflammatory responses. Any application on these topics are welcomed but we are more particularly interested by research projects on **System biology applied to any research topic of C3M; Interplay between immunity and/or inflammation and the development of cancers, cardiometabolic diseases and pathogen response (a strong immunologic background is required); Innervation and Neurosignaling or Neuroimmunology in cancer and cardiometabolic diseases; Gut pathophysiology in cardiometabolic disease development.**

C3M is a Université Côte d'Azur and Inserm (French National Institute of Health and Medical Research) biomedical research institute with more than 180 people in 13 teams. Its researchers perform highly integrated basic, translational and clinical research aimed at understanding the mechanisms and causes of different cancers, cardiometabolic diseases and immune/inflammatory responses in order to develop novel approaches to prevention and therapeutic strategies. C3M is housed in a building on the site of the Nice Archet Hospital, allowing strong collaborations with clinicians. This environment fosters rich intellectual exchanges and collaborations.

The selected scientist will receive a SIGNALIFE starter package (up to €600,000) for up to five years including operating costs (€100,000) and salaries (group leader/post-doc/PhD student/technician, up to €500,000). He/she will be provided with office and laboratory space (around 50 m<sup>2</sup>) and will have access to basic laboratory equipment and to state-of-the-art C3M core facilities (cellular imaging, animal facilities, mouse metabolic phenotyping, genomics, histology, flow cytometry). He/she will be supported by dedicated university services for short-term lodging upon arrival ([Faculty Club](#)), given practical and administrative advice and assistance ([Welcome Center](#)) and will receive appropriate help and support to apply for other highly competitive national and European programs and for a French academic research position (if applicable).

### **Procedure to apply:**

Applicants should provide, in a single PDF file (single-spaced, 11-point Arial font):

- Name of the applicant, address, email and telephone number, project title, SIGNALIFE theme and laboratory associated with the proposed project
- Project abstract (1 page)
- Detailed project description (4 pages) including the objectives, the rationale and the methodology, highlighting the novelty, originality and feasibility of the project as well as the added value to the SIGNALIFE network and the host laboratory
- Description of past and present research activities (2 pages)
- CV (1 page) and list of publications

Applications should be addressed to Dr. Patrick Auberger ([Patrick.AUBERGER@univ-cotedazur.fr](mailto:Patrick.AUBERGER@univ-cotedazur.fr)) no later than **March 1<sup>st</sup>, 2021**. Shortlisted candidates will be invited for an on-site interview.

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For this Chairs of Excellence call, the [Institut de Biologie Valrose](#) (iBV) is looking for an **internationally renowned researcher or a young researcher with a strong track record** to develop a project that

complements existing research topics at the institute (signaling, cell and developmental biology, neurobiology, and tissue and organ morphogenesis and function, as well as associated disorders and therapies). **We are looking for an enthusiastic individual, who combines scientific excellence with an interest in addressing fundamental questions, emerging concepts and/or disease-related challenges. Applications from scientists with innovative and interdisciplinary approaches (e.g., bioinformatics, biophysics, synthetic biology) are encouraged.** The institute is committed to improving the gender balance and encourages women to apply.

The iBV is an internationally recognized institute, presently hosting 26 research groups, with about 30 different nationalities and English as a working language. The iBV research groups are dedicated to deciphering the basic principles of biology involved in health and disease, using a wide range of biological models (yeast, worm, sea urchin, fly, zebrafish, mouse and organoids) and studies on human samples. More information about our scientific activities, platforms and institute life can be found on our website <http://ibv.unice.fr/>.

The selected scientist will receive a SIGNALIFE starter package (up to €600,000) for up to five years including operating costs (€100,000) and salaries (group leader/post-doc/PhD student/technician, up to €500,000). He/she will be provided with lab (80 m<sup>2</sup>) and office (20 m<sup>2</sup>) space and will have full access to the state-of-the-art technology platforms available at the iBV, including dedicated microscopy infrastructure, cytometry, histology, bioinformatics and animal facilities of various model organisms. He/she will be supported by dedicated university services for short-term lodging upon arrival ([Faculty Club](#)), given practical and administrative advice and assistance ([Welcome Center](#)) and will receive appropriate help and support to apply for other highly competitive national and European programs and for a French academic research position (if applicable).

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Applications should be addressed to Dr. Stéphane Noselli ([Stephane.NOSELLI@univ-cotedazur.fr](mailto:Stephane.NOSELLI@univ-cotedazur.fr)) no later than **March 1<sup>st</sup>, 2021**. Shortlisted candidates will be invited for an on-site interview.

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For this Chairs of Excellence call, the [Institut de Pharmacologie Moléculaire et Cellulaire](#) (IPMC <https://www.ipmc.cnrs.fr/>) is looking for an internationally renowned researcher or a young researcher with a strong track record to develop a project on the epigenetic/genetic mechanisms that are at play in environmentally-induced and/or age-related chronic diseases. The applicant should be identified as a leader in genomic and metabolic research.

IPMC is a Université Côte d'Azur and CNRS laboratory. Since 1989, IPMC investigators have been contributing to the improved understanding of molecular, cellular and integrative biology mechanisms associated with several human pathologies (such as neurological and cardiovascular disorders, metabolic and inflammatory diseases, and cancer). Our research teams actively contribute to the development of "Biology 2020" in the south of France.

The selected scientist will receive a SIGNALIFE starter package (up to €600,000) for up to five years including operating costs (€100,000) and salaries (group leader/post-doc/PhD student/technician, up to €500,000). He/she will be provided with office and laboratory space (around 50 m<sup>2</sup>) and will have access to basic laboratory equipment and to the facilities and technology platforms of the IPMC institute (Functional genomics: sequencing & bioinformatics; Microscopy & flow cytometry [MICA]; Physico-chemistry of biomolecules [mass spectrometry, proteomics, lipidomics, etc.]; SPF animal core facilities and animal behavior analysis; Integrative Biology with electrophysiology, neurosciences; and In silico modeling). He/she will be supported by dedicated university services for short-term lodging upon arrival ([Faculty Club](#)), given practical and administrative advice and assistance ([Welcome Center](#)) and will receive appropriate help and support to apply for other highly competitive national and European programs and for a French academic research position (if applicable).

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Applications should be addressed to Dr. Jean-Louis Nahon ([nahon@ipmc.cnrs.fr](mailto:nahon@ipmc.cnrs.fr)) no later than **March 1<sup>st</sup>, 2021**. Shortlisted candidates will be invited for an on-site interview.

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For this Chairs of Excellence call, the [Institute for Research on Cancer and Aging](#) (IRCAN <https://www.ircan.org/en/>) is looking for an internationally renowned researcher or a young researcher with a strong track record to develop a project in the field of aging and cancer, with no particular topic required.

The objective of IRCAN is to improve our understanding of the biology of aging and age-related pathologies. Chromosome stability, (epi)genomics, regeneration, mitochondrial dysfunction, cellular microenvironment and the environmental determinants of aging constitute the major current research axes.

The selected scientist will receive a SIGNALIFE starter package (up to €600,000) for up to five years including operating costs (€100,000) and salaries (group leader/post-doc/PhD student/technician, up to €500,000). He/she will be provided with appropriate laboratory space and will have access to state-of-the-art IRCAN core facilities (molecular and cellular imaging, flow cytometry, 'omics' technologies, aquatic and mouse facilities, histology, etc.). He/she will be supported by dedicated university services for short-term lodging upon arrival ([Faculty Club](#)), given practical and administrative advice and assistance ([Welcome Center](#)) and will receive appropriate help and support to apply for other highly competitive national and European programs and for a French academic research position (if applicable).

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Applications should be addressed to Pr. Eric Gilson ([Eric.GILSON@univ-cotedazur.fr](mailto:Eric.GILSON@univ-cotedazur.fr)) no later than **March 1<sup>st</sup>, 2021**. Shortlisted candidates will be invited for an on-site interview.

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For this Chairs of Excellence call, the [Institut Sophia Agrobiotech](#) (ISA <https://www6.paca.inrae.fr/institut-sophia-agrobiotech/>) is looking for an internationally renowned researcher or a young researcher with a strong track record to develop a project on the cellular and molecular interactions between plants and associated parasites/pathogens or symbionts. The project should address topics related to "Host cell reprogramming", "Intercellular communication", "Microenvironment signaling" or "Stress signaling", and may cover a spectrum from molecular aspects to a systems biology approach. A fundamental research project with perspectives for the development of innovative strategies for plant health management in agriculture would be welcomed.

ISA has more than 200 people working on Plant Health issues and is located on the Sophia Antipolis campus. The institute is supported by INRAE, Université Côte d'Azur and CNRS, and brings together strong skills in molecular biology and biochemistry, comparative genomics, evolutionary and functional genetics, ecology, agronomy and modeling. The Institute provides an attractive multi-model environment (plants, microbes and invertebrates) that promotes synergistic discussions and in-house interactions.

The selected scientist will receive a SIGNALIFE starter package (up to €600,000) for up to five years including operating costs (€100,000) and salaries (group leader/post-doc/PhD student/technician, up to €500,000). He/she will be provided with office and laboratory space (around 50 m<sup>2</sup>) and will have full access to state-of-the-art technological platforms (bioinformatics, cell culture, metabolomics and proteomics, imaging/live imaging, histology) and to facilities dedicated to transgenic plant and pathogen manipulations. Other facilities (e.g., high-throughput sequencing, electron microscopy, etc.) are also available on the campus. He/she will be supported by dedicated university services for short-term lodging upon arrival ([Faculty Club](#)), given practical and administrative advice and assistance ([Welcome Center](#)) and will receive appropriate help and support to apply for other highly competitive national and European programs and for a French academic research position (if applicable).

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Applications should be addressed to Dr. Philippe Castagnone ([philippe.castagnone@inrae.fr](mailto:philippe.castagnone@inrae.fr)) no later than **March 1<sup>st</sup>, 2021**. Shortlisted candidates will be invited for an on-site interview.