[Title]

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| Job Profile |
| CSS  |  |
| Offer description |  |
| Researcher profiles |  First-Stage Researcher *(PhD candidate)* Recognised Researcher (*with less than 4 years research experience after PhD)* Established Researcher *(with more than 4 years research experience)* Leading Researcher |
| Research Fields (2 max.) |  Biological Sciences  Chemistry Computer Science  Engineering  Environmental Science Ethics in Health Sciences  |  Medical Sciences Neurosciences  Pharmacological Sciences  Physics  Technology  Other (specify): |
| Main Activities |  |
| Associated Activities |  |
| Specific Requirements or Constraints  |  |
| Skills/Qualifications  |  |
| Required Experience |  0 to 2 years 2 to 4 years 4 to 10 years >10 years **Fields:** |
| Required Education Level or Diploma |  |
| Required Languages |  |
| Hosting Unit |
| Code | U1229 |
| Name | Regenerative medicine and skeleton |
| Director | Jerome Guicheux |
| Composition | The RMeS laboratory is composed of 130 people in 2025 (85 full-time equivalent). It is armed with 9 permanent senior scientists from Inserm and CNRS (4 DR and 5 CRCN), 11 University/ONIRIS researchers (4 PR, 7 MC), 39 University/Hospital researchers (24 PU-PH, 15 MCU-PH), 9 University/Hospital associated clinicians (9 PH), 26 technical and administrative staffs, 11 postdocs, 22 PhD candidates and about 35 trainees (Master students, engineers, residents). RMeS is structured around 2 independent research teams: REJOINT (formerly STEP) and REGOS ([see organizational chart](https://rmes.univ-nantes.fr/home/the-lab-in-figures)). These 2 teams still benefit from our 4 open technological platforms: SC3M (electron microscopy, micro-characterization and functional morphohistology- imaging), BIO3 (biomaterials, biohydrogels and biomechanics), INOA facility (OsteoArticular INflammation), HiMolA (Molecular Histology) and 2 in-house core facilities for cell culture and molecular biology.Our RMeS laboratory aims to reinforce his international positioning as a center of excellence and a leader in skeleton aging and regenerative medicine. Our research goals range from deciphering the mechanisms that govern development, growth and aging of bone and cartilaginous tissues to promote the advance of innovative 4R medicine strategies for the skeleton. Four “R” medicine relies on concepts we recently developed.The promising field of regenerative medicine aims to restore the function of damaged tissues including those constituting the skeleton. It also intends to conceive biomaterial- and cell-assisted therapeutic solutions for tissues that become ineluctably degrade with aging. Considering the large number of diseases for which clinicians can only manage patients’ symptoms using drugs or devices, regenerative medicine has for long been contemplated as a game-changer in medicine. Interestingly, recent advances in biomaterial sciences (biomimicry, hydrogels, 3D bioprinting...), skeletal physiopathology (developmental diseases, osteoarthritis, age-associated diseases...), developmental biology (cell fate and tissue modeling), and stem cell biology (reprogramming and differentiation) are paving the way to new concepts that will undoubtedly improve skeletal regenerative strategies.Our strong and recognized expertise that encompass a broad range of disciplines from material sciences and physico-chemistry to cell and molecular biology and clinical sciences within the same research laboratory constitutes an exciting and unique opportunity in France. This complementary workforce has greatly contributed to make RMeS laboratory a pioneer center in skeleton aging and regenerative medicine. |
| Address | 1 place Alexis Ricordeau, 44000 Nantes |
| Website | https://rmes.univ-nantes.fr/ |
| Contract |
| Type |  |
| Duration |  |
| Salary |  |
| EnvisagedStart Date |  |

## Application

Applicants must send a CV and a cover letter to:

Contact for further information (name, telephone/mail):

Deadline for application: