

The lab of **Xabier Aranguren, Regenerative Medicine Unit, CIMA University of Navarra**, is seeking a highly motivated **postdoc candidate** to work on a research project focused on the molecular and epigenetic bases of human naïve iPS cells chimeric potential.

Revealing cell populations catching the early stages of the human embryo development in naïve pluripotent stem cells. bioRxiv 2022.03.06.482812; doi: <https://doi.org/10.1101/2022.03.06.482812>

Job Information

- Application closing date: 31st July 2022.
- Employment start date: 1st of August 2022.
- Contract duration: 2 years and 5-month, with possibility of renovation.
- Institution: CIMA-University of Navarra.

Background and project

Blastocyst complementation is a promising approach to generate organs in vivo from stem cells, using an animal recipient. The group has been working in this field for the last 8 years using mouse and rat animal models and cells, as well as human naïve iPS cells.

The project consists of the development of different strategies to increase human iPSC chimeric potential, and the generation of interspecific chimeras.

The selected candidate will have the opportunity to work in a young team in an excellent scientific environment and will have access to the state-of-the-art equipment and facilities dedicated to transgenesis. He/she will be trained for embryo microinjection.

Your Role:

- Contribute to the project performing research to grasp the molecular and epigenetic bases of human naïve iPS cells chimeric potential by developing new strategies to increase cell contribution to interspecies chimeras.
- Prepare papers for publication in leading international peer-reviewed journals.
- Disseminate findings at conferences and meetings.

Your Profile:

- Holding a PhD diploma.
- A strong research track record in human iPS cells biology.
- Strong motivation.
- Ability to work both independently and as part of a team.
- Organization skills, initiative.
- Clarity in communication.
- Experience with gene editing technologies.
- Experience in transgenesis of mouse/pig models is desired but not required
- Spanish is not a requirement for English speakers.

What we offer:

- A position in a highly visible research project at the frontiers of knowledge in the field of stem cells and xenoorgan generation.
- A well-equipped work environment.
- Participation in courses and conferences.
- Comprehensive training in embryo micromanipulation.

Additional benefits:

- Accident insurance policy.
- Reduction on University training programs fees.
- Familiar allowance for children below 18 and for non-working partner.
- Free access to University sport facilities and library.
- Restaurant ticket, Transport ticket and Daycare ticket for tax discounts.
- Private health insurance policy “Poliza hospitalización platinum plus” from ACUNSA to all employees starting from the second year of contract. This policy can be voluntarily amplified with discount to “Poliza Confort”. Employees’ children under 17 are given the “Poliza Confort” for free starting from the second year of contract. Discounts on insurance policy for employee spouse and children above 17 are offered.
- The Institute is located at University of Navarra academic campus close to the center of the city with free bicycle and car parking lot.
- Town: Pamplona is a highly dynamic and international city of Spain, which attracts a large number of university students and scientists. The city has plenty of bars and restaurants to enjoy the typical Navarra’s gastronomy and social life. The neighborhoods are the ideal destination for nature’s lovers, with woods of rare beauty. The Cantabric coast is 1h away.

Contact Information

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- Please send your application including a motivation letter, your CV and reference letters from your previous employees.