Open position for: **Stem Cell and Regenerative Medicine Lab**

REF: CRE18-01

TITLE: Qualified technician

ACCOUNTABLE TO: Dr. Josep M Canals

CONTRACT: Qualified technician
Up to 3 years, by Fundació Bosch i Gimpera (FBG)
Starting September 1st, 2018

Job Summary

A technician position is available at the Stem Cell and Regenerative Medicine Group. The position involves working with a team of scientists studying stem cell growing, expansion and differentiation for different diseases.

The project is likely to involve some or all of the following techniques:

- Human stem cell cultures.
- *In vitro* characterization of stem cells.
- Molecular techniques, cloning, lentiviral constructs, transfection, microarrays and epigenome.
- Working under ISO9001.

The present project will be performed at the laboratory of Stem Cell and Regenerative Medicine in the Department of Biomedical Sciences at the Faculty of Medicine and Heath Sciences, University of Barcelona. The group is integrated in the Spanish network of neurodegenerative disorders (CIBERNED) and in the Spanish Cell Therapy network (RETICS; TERCEL). These two networks provide a collaborative environment to successfully achieve our objectives.

Main Duties

To conduct research assistance for investigating the potential of stem cell for different disorders. Applicants are required to have experience in cell cultures and preferentially in stem cell cultures. Experience for working under ISO9001 regulation will be positively considered.

Requirements

Applicants are required to hold a Biomedical and/or lab technician module of Professional Formation (FP) degree and/or experience as Research Assistant.

- Ability to work with other team members.
- Organized, methodical, proactive and self-motivated.
- Experience in cell culture.
- Experience working under ISO or similar quality systems will be considered.

Josep M. Canals Coll
Director · +34 934 035 288 · jmcanals@ub.edu

Expression of interest

Interested people in this position should send a CV and a presentation letter to:

Dr. Josep M Canals, e-mail: jmcanals@ub.edu and

Paola Lucero, e-mail: paolalucero@ub.edu

Research assistant position could be partially co-funded by ACCIÓ (Catalonia Trade & Investment; Generalitat de Catalunya) and the European Community under the Catalonian ERDF operational program (European Regional Development Fund) 2014-2020 in the context of ADVANCE(CAT).

ABOUT CREATIO

Creatio is the Production and Validation Center of Advance Therapies at the Faculty of Medicine of the University of Barcelona. Our mission is to deliver solutions based on advanced therapies with the goal of increasing the efficiency of the sanitary system and the quality of life of society. Creatio is a center of excellence that is technologically specialized in advanced therapies. Creatio has an experienced multidisciplinary team with great experience in Advance Therapies that work under high quality standards. We establish strategic alliances with companies, research centers and hospitals to develop new projects and/or products in this innovative medical field.

SERVICES

1. Production of Advanced Therapies for Clinical Use

Creatio produces medicines for advanced therapies (ATMPs) for clinical investigation under a high standard of quality according to Good Manufacturing Practice (GMP) requirements (both EMA/FDA).

Creatio supports all aspects of production and testing of clinical material under current GMP guidelines. We ensure that all projects are **compliant with applicable GMP guidelines and/or UNE-EN-ISO 9001**, and the Creatio Quality System.

The Creatio Quality System **provides comprehensive documentation of policies and procedures** that cover all aspects of facility operation, manufacturing, and quality control testing.

The resulting manufacturing batch records and associated documents provide **full traceability and records** that are critical in demonstrating GMP compliance and **supporting Investigation New Drug (IND) and Investigation Device Exemption (IDE) applications**.

2. Process and Documents Development

Creatio develops protocols and all necessary documents for production under GMP conditions: Standard operating procedures, *specification of sources, intermediary and final product*, production guidelines and validation protocols amongst others.

- **Legal documentation development** - Development of protocols for the production of ATMPs for clinical application, including gene therapy, cell culture and cryoprotection of stem cells, and tissue engineering with natural or artificial scaffolds.
- **Process Development** - Full support for clinical process development. We have expertise in clinical trials involving cell culture and cryoprotection, cellular vaccines, lentiviral production for *ex vivo* gene therapy, and *in vitro* manufactured tissues.
- **Quality Control** - Comprehensive product testing and analytical methods development/qualification/validation to support process development and cGMP release testing.
- **Quality Assurance** - Review of GMP batch records and release, full quality system support, and vendor audit support.

3. Scientific & Technical Advice and Training

Expert advice in the development of new activities and processes in the fields of advanced therapies, preclinical and clinical tests, compliance with the standards of GMP and UNE-EN-ISO 9001, as well as its implementation and monitoring.

Creatio specialists will train your technical team involved in the production process under compliance of GMP rules wherever necessary.

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4. Other Biotechnological Services

Creatio can facilitate and accelerate your preclinical research. We have a team of experts to develop in vitro and in vivo models using a broad range of rodent and human cell lines and animal models.

The Creatio research team has various cell culture platforms available to test your **new drugs and to validate research hypotheses**. We have experience in testing efficacy of drugs based on animal models and human cells for neurodegenerative disorders:

- Processing of tissue and isolation of primary human cells.
- Culturing and differentiation of pluripotent and somatic human stem cells.
- High throughput screening for immunohistochemistry and gene expression.
- Brain-on-chip systems.
- Gene therapy *in vivo* and *ex vivo.*
- Pharmacological and genetic mouse models of neurodegenerative diseases.
- Cell transplants; chimeric human/mouse models.
- Motor and cognitive behavior platforms.
- Neuroimaging for animal models.

All our activities and processes are performed according to high quality standards under compliance of ISO 9001:2008 rules.

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