

IF YOU ARE INTERESTED, PLEASE FILL THE FOLLOWING ITEMS TO BE SENT TO: [eurobecas@dival.es](mailto:eurobecas@dival.es)

Company data / datos de la empresa/institución

Full legal name/Nombre legal: Medical Research Council, Harwell Institute

Full address/ dirección completa: MRC Harwell Institute, Mammalian Genetics Unit, Harwell Campus, Oxfordshire, OX11 0RD, UK.

Web site: <https://www.har.mrc.ac.uk/>

Address where the training will take place (if different)/dirección donde tendrán lugar las prácticas:

Contact phone (if different from tutor's)/teléfono de contacto:

Contact Person/Persona de contacto: Helen Ward

Email: [h.ward@har.mrc.ac.uk](mailto:h.ward@har.mrc.ac.uk)

Phone number: +44 (0)1235 841065

Tutor's Name: Dominic Norris

Email: [d.norris@har.mrc.ac.uk](mailto:d.norris@har.mrc.ac.uk)

Phone number: +44 (0)1235 841000

Office supplies, the intern will have to bring at work-placement his own laptop: Yes  No

Short description of the company/breve descripción de la empresa/institución:

The MRC Harwell Institute is at the international forefront of the use of mouse genetics to study the relationship between genes and disease. We create and study mouse models to understand the disease processes that occur when a gene goes wrong.

Knowledge, skills and competence to be acquired/conocimientos, habilidades y competencias que adquirirá el becario:

Mouse genetics; mouse models of human disease; experimental design; data analysis

Detailed description of the tasks of the trainee (at least 5 tasks)/Descripción detallada de las tareas del becario y tiempo de dedicación a cada una (al menos 5 tareas):

Tasks of the trainee	% dedicate on each task	Tasks of the trainee	% dedícate on each task
Cell culture	20	Cell Imaging	20
Experimental Design	20	RT-q-PCR	10
Cell Differentiation	10	Data Analysis	20

Detailed description of the training Program (content) /Descripción detallada del programa de practicas:

Purpose of the Role: To perform initial research into the use of mouse models of PCD to investigate gene therapy.

General responsibilities: To plan and execute delivery of gene therapy vectors into cells lines derived from mouse models of PCD

Specific responsibilities: Day to day planning of work (under supervision). Setting up and maintaining tissues culture. Transfection of cells (by various techniques). Analysis of cells by molecular techniques and by imaging. Analaysis of data.

Language/s used during the training/idioma usado durante las prácticas:

Mandatory: English (Cambridge C1 certificate or equivalent)

A plus, but not required: Experience of presenting science in English to an international audience.

In your opinion, what studies should be the fellow to take better advantage you practice offer/ en su opinion, qué estudios debería tener el becario para optimizar la práctica ofrecida:

Bachelor Degree: Biotechnology or similar

Complementary knowledge (a plus or mandatory):

**Mandatory:** Studying biomedicine; experience working with Rare Respiratory diseases.

**Plus:** Experience of interacting at the level of international (e.g. Europewide) science, as evidenced by conference participation and presentations

Timeframe, schedule and working hours/tiempo que durarán las practicas, jornada y horas/día:

Full-time: (hours/week) 35 hours/week

Monday through Friday (working schedule): Monday-Friday

In order for the fellow to pursue with the training, the signature of an agreement would be a requirement:    Yes  No