



Postdoctoral Researcher - Centromere Biology and Function in Developing Germ Cells

School of Biological and Chemical Sciences, College of Science and Engineering

Centre for Chromosome Biology

Ref. No. University of Galway 017-23

Applications are invited from suitably qualified candidates for a full-time, fixed term position as a Postdoctoral Researcher with Dr. Elaine Dunleavy, Centre for Chromosome Biology at the University of Galway.

This 3-year position is funded by Science Foundation Ireland and is available from 01 May 2023 to contract end date of 30 April 2026.

The Centre for Chromosome Biology at the University of Galway provides a research-intensive and friendly environment. Further information about the research group and the Centre for Chromosome Biology is available at <http://www.chromosome.ie>.

Job Description:

Centromeres are chromosomal loci that direct chromosome segregation at cell division. The successful candidate will contribute to a major aim of the Science Foundation Ireland Frontiers for the Future Award to investigate molecular mechanisms of centromere assembly, maintenance, and function in germ cells and in early animal development. This project will involve the manipulation of *Drosophila* and/or mammalian sperm and testes. A major aim is to discover molecular mechanisms that maintain centromeric chromatin during sperm differentiation. Experimental techniques to be performed will include: molecular biology and cloning, protein purification and biochemistry, the generation of transgenic animals, cell culture and high- and super-resolution fluorescence microscopy on fixed and live cells and tissues.

For more information on the Dunleavy Lab, go to:

<https://www.chromosome.ie/researchers/dunleavy/>

Dunleavy lab publications: <https://pubmed.ncbi.nlm.nih.gov/?term=dunleavy+em+&sort=date>

Duties:

- Plan, co-ordinate and implement this specific aim of the research programme.
- Work independently to design and perform complex experiments and evaluate results.
- Contribute to dissemination of research findings through publication and conferences.
- Training and supervision of current and new lab members is also required.

Qualifications/Skills required:

Essential Requirements:

- PhD in Genetics, Biochemistry or a closely related discipline.
- Excellent track record in biochemical, molecular biology and genetic techniques, as evidenced by first-author publications in peer-reviewed journals.
- Evidence of experience with the genetic manipulation of *Drosophila* or a comparable developmental model system.
- Highly motivated and passionate about basic research.



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HR EXCELLENCE IN RESEARCH

Desirable Requirements:

- Experience working with germ cells or early development in animals is highly desirable.
- Experience working with high-resolution fixed or live imaging platforms is highly desirable.
- Experience with methods to measure protein dynamics in vivo is highly desirable.

Salary: €41,209 per annum pro rata for shorter and/or part-time contracts (public sector pay policy rules pertaining to new entrants will apply).

Start date: Position is available from 01 May 2023

Continuing Professional Development/Training:

The University of Galway provides continuing professional development supports for all researchers seeking to build their own career pathways either within or beyond academia. Researchers are encouraged to engage with our Researcher Development Centre (RDC) upon commencing employment – see www.universityofgalway.ie/rdc for further information.'

Further information on research and working at University of Galway is available on [Research at University of Galway](#)

For information on moving to Ireland please see www.euraxess.ie

Further information about the School of Biological and Chemical Sciences is available at <https://www.universityofgalway.ie/science-engineering/schoolofbiologicalandchemicalsciences/>

Informal enquiries concerning the post may be made by email to Dr. Elaine Dunleavy.

To Apply:

Applications to include a covering letter, CV, and the contact details of three referees should be sent, via e-mail (in word or PDF only) to Dr. Elaine Dunleavy: elaine.dunleavy@universityofgalway.ie

Please put reference number **University of Galway 017-23** in subject line of e-mail application.

Closing date for receipt of applications is 5.00 pm 31 March 2023

We reserve the right to re-advertise or extend the closing date for this post.

The University of Galway is an equal opportunities employer.

All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment

