



HR EXCELLENCE IN RESEARCH

## **Postdoctoral Researcher - Centromere Biology and Function in Germ Cells**

**School of Biological and Chemical Sciences,  
College of Science and Engineering, NUI Galway**

**Ref. No. NUIG RES 107-22**

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 National University of Ireland, Galway.

This 3-year position is funded by Science Foundation Ireland (SFI) and is available from 01 September 2022 to contract end date of 31 August 2025.

The Centre for Chromosome Biology at NUIG 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 an SFI 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. Experimental techniques to be performed will include: molecular biology and cloning, protein purification and biochemistry, the generation of transgenic animals, cell culture and fluorescence microscopy on fixed and live cells and tissues. For more information on the Dunleavy Lab, go to: <https://www.chromosome.ie/researchers/dunleavy/>

### **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 mammalian cell culture, the manipulation of *Drosophila* or a comparable developmental model system.
- Highly motivated and passionate about basic research.



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**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.

**Salary:** €39,522 to €41,941 per annum pro rata for shorter and/or part-time (public sector pay policy rules pertaining to new entrants will apply)

**Start date:** Position is available from September 2022.

**Continuing Professional Development/Training:**

Researchers at NUI Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans.

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

For information on moving to Ireland please see [www.euraxess.ie](http://www.euraxess.ie)

Informal enquiries concerning the post may be made to Dr Elaine Dunleavy [elaine.dunleavy@nuigalway.ie](mailto:elaine.dunleavy@nuigalway.ie)

**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@nuigalway.ie](mailto:elaine.dunleavy@nuigalway.ie)

Please put reference number **NUIG RES 107-22** in subject line of e-mail application.

**Closing date for receipt of applications is 5.00 pm July 29th 2022.**

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

National University of Ireland, Galway is an equal opportunities employer.

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

'NUI 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.nuigalway.ie/rdc](http://www.nuigalway.ie/rdc) for further information.'

