Background: A postdoctoral position is available at the Nutritional Genomics Group based at Dublin City University (DCU) under Principal Investigator Dr. Anne Parle-McDermott. This project is to further investigate a newly identified human dihydrofolate reductase enzyme known as DHFRL1 (McEntee et al. (2011) PNAS 108: 15157-15162; Anderson et al. (2011) PNAS 108: 15163-15168). The project is entitled ‘The impact of genetic variation and site directed mutagenesis on the former human pseudogene Dihydrofolate Reductase Like-1 (DHFRL1) and its association with Neural Tube Defects.’ This is a collaborative project between Dublin City University and Trinity College Dublin.

Role: The successful candidate will join the Nutritional Genomics Group at DCU and will primarily be focused on further investigation of DHFRL1 under the direction of the Principal Investigator and her collaborators.

Duties & Responsibilities: The Postdoctoral Researcher will be required to fulfill the following:
- Carry out all experimental objectives as specified in the project award.
- Document all experimental data, analyses and protocols.
- Report/present regularly at group meetings.
- Attend relevant meetings, seminars and conferences.
- Contribute to manuscript preparation relevant to the project.
- Complete a detailed report upon completion of the project.
- Undertake other tasks as defined by the PI, Dr. Anne Parle-McDermott.

Qualifications & Experience: The successful candidate will hold a Ph.D. in the area of molecular genetics/biology, biochemistry, cell biology or a closely related discipline. Candidates with experience in some or all of the following techniques are particularly encouraged to apply: site-directed mutagenesis, enzyme kinetics, EMSA, genotyping & analysis, mammalian cell culture and confocal microscopy.

Informal Enquiries to: Dr. Anne Parle-McDermott at anne.parle-mcdermott@dcu.ie

Salary scale: €37,750 - €41,181
Subject to experience and qualifications

Closing date: 6th August 2012
Application forms are available at:

http://www.dcu.ie/vacancies/APPLICATION FORM 8pg.doc and from Human Resources Department, Dublin City University, Dublin 9. Tel: (01) 700 5149; Fax: (01) 700 5500
Email: hr.applications@dcu.ie

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