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**Applications are invited from eligible candidates for position of Junior Research Fellow
(Last date 14.06.2019)**

Functional characterisation of LOV-containing flavoproteins photoreceptors in tomato

Outline

Plants have evolved specialised light sensory molecules termed as photoreceptors which enable them to perceive different spectral regions of light. Tomato is widely recognised as a genetic model and contains multiple photoreceptors some of which have been well characterised. Additionally, tomato has also evolved unique LOV-containing flavoproteins proposed to function as photoreceptors. This project is aimed at characterising function of these proteins in tomato. The information gained would be of tremendous value in ongoing global efforts to manipulate photoreceptors for influencing agronomic traits in crop plants.

Techniques

The project will provide excellent training in a range of techniques associated with molecular biology, cell biology, genetics, plant physiology and biochemistry. Training will also be given in key skills including project-management and science communication. Additionally, the student will have the opportunity to attend and present their research at national and international conferences/meetings.

For related publications from the group refer *Plant Physiology* (2019) doi.org/10.1104/pp.19.00206 ; *Front. Plant Sci.* (2017) doi: 10.3389/fpls.2017.01181; *J of Photochemistry and Photobiology, B: Biology* (2016) 165:157-162; *Plant Journal* (2016) 88: 907-920; *J Plant Growth Regul* (2015) 34 (1): 206-214; *Plant Physiology* (2014) 164: 2030-2044;

Emoluments

Rs 25,000/- p.m.(Consolidated with NET/GATE)

Qualifications

Candidates with M.Sc. degree in Botany/Biotechnology/Molecular Biology/ Life Sciences with a minimum of 50% marks in the qualifying examination may send their curriculum vitae and attested copies of all relevant certificates to eros.kharshiing@gmail.com . Result awaited candidates can also apply.