

University of Hyderabad

Repository of Tomato Genomic Resources

Department of Plant Sciences

Research Positions in Tomato Functional Genomics

At the Repository of Tomato Genomics Resources (<http://uohyd.ac.in/images/index.html>), (**DBT Centre of Excellence and Innovation in Biotechnology (CEIB): "Program Support on Genome Engineering of Tomato"**) we are working on Tomato Functional Genomics involving Genome Editing, Exome Capture, Proteomics, and Metabolomics along with TILLING approaches to manipulate the fruit ripening in tomato. The current aims of the group are to isolate tomato mutants with high lycopene, β -carotene (provitamin A), folate content and long shelf life of fruits. For recent publications of the group see (*Food Chemistry* 2018 **259**: 234-244; *Journal of Experimental Botany* 2017 **68**: 4803-4819, *The Plant Journal* 2017 DOI: 10.1111/tpj.13654, *PLoS ONE* 2017 **12**(5):e0176978, *Food Chemistry* 2017 **217**:610, *Frontiers in Plant Sciences* 2016 **7**:969; *PLoS ONE* 2016 **11**(4); *Food Chemistry* 2015 **179**: 76-84; *Plant Methods* 2015 **11**:5; *Plant Cell Environment* 2014 **37**: 1688-1702, *Plant Physiology* 2014 **164**: 2030-2044; *Plant Physiology* 2013 **161**: 2085-2101).

Currently, we have following positions available in the projects "*Influence of phototropin genes on tomato fruit quality and shelf life*" and "*Manipulation of light signaling components for improvement of tomato fruit quality*" awarded to **Dr. Y. Sreelakshmi**, funded by Department of Biotechnology. The qualifications for the positions are as follows:

- 1. Research Associate-I - 1 position:** Applicants should have very good experience in proteomics, preferably using plant tissues in examining posttranslational modifications, quantitative proteomics using shotgun approaches, basic knowledge of mass spectrometry and should be supported by publications. Selected candidate would be paid Rs. 36,000+30% HRA. The candidates meeting the above specifications and who have submitted PhD Thesis and have research publications are also encouraged to apply.
- 2. Research Associate-II - 1 position:** Applicants should have very good experience in metabolomics-GC-MS and LC-MS, especially lipidomics, basic molecular biology and biochemistry in tomato or other higher plants and should be supported by publications. Experience in handling tomato plants, especially the fruit ripening aspects is a plus. Selected candidate would be paid Rs. 38,000+30% HRA. The candidates meeting the above specifications and who have submitted PhD Thesis and have research publications are also encouraged to apply.
- 3. Research Assistant - 1 position:** Applicants should have minimum one-year experience in basic molecular biology and biochemistry techniques. M.Sc. in Plant Molecular Biology/Biochemistry with experience in handling plants is required. Fresher's can apply provided they have an excellent academic record and have interest to work on plants. Selected candidates would be paid a consolidated pay of Rs. 13000/-pm.

We also have few openings for CSIR/UGC/DBT/ICMR/BINC JRF qualified candidates for pursuing PhD in research areas of tomato proteomics, metabolomics and functional genomics. The interested candidates can send CV to the email address given below for consideration for PhD program. Admission into PhD program will be as per UOH guidelines.

Candidates interested in above project positions *should send a one-page statement* clearly explaining how their skills are relevant to the position. The candidates should also enclose detailed CV and the name/email id for three referees. The candidates can send their application by email at **y.sreelakshmi@uohyd.ac.in** on or before **June 25th, 2018**. *All the positions are purely temporary in nature. Shortlisted candidates would be called for interview. No TA/DA would be provided for attending the interview.*



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