ROOPALAKSHMI. K

Chief Operating Officer, Bengaluru Genomics Center PVT. LTD.

Professional Experience

- Expert on molecular techniques
- Expert in Next Generation Sequencing (NGS) and analysis
- Design experimental plan for NGS and Bioinformatics
- Data interpretation

Positions

- Chief Executive Officer, Bengaluru Genomics Center Pvt. Ltd., Bangalore
- Lead Data Scientist for InterpretOmics India Pvt. Ltd.,
- Research Fellow, Department of Genetics and Plant breeding, GKVK, Bangalore.
- Research associate, Department of Plant Biology, The Ohio State University, Colombus, USA.
- Research associate, Department of Biochemistry, The Ohio State University, Colombus, USA.
- Project assistant, James Cancer Hospital, The Ohio State University, Columbus, USA.
- Field Officer at BAIF, Tiptur, Karnataka.

Publications

- Sayak Gangulia, Sabdar Rahaman, Abhishek R. Bera, Vineet Vishal, Shelvia Malik, **K. Roopalakshmi**, Pankaj K. Singh. Data in Brief Rhizospheric metagenome of the terrestrial mangrove fern Acrostichum from Indian Sunderbans. *Genomics* Data 14 (2017) 53–55.
- **Roopalakshmi K**, Kajjidoni ST, Salimath SM (2003). Effect of irradiation and matting schemes on native of association of seed yield and its components in black gram. *Legume Res*. 26(4): 288-291.
- S T Kajjidoni, **K Roopalaksmi**, S Revanappa& I Nagaral, An Innovative Way of Developing an Improved variety utilizing both Gamma-ray-induced and Recombinational Variability in Blackgram (*Vignamungo* L.(Hepper)) ,Q.Y. Shu (ed.), Induced Plant Mutations in the Genomics Era. Food and Agriculture Organization of the United Nations, Rome, 2009, 336-337
- S.T.Kajjidoni, **Roopalaxmi. K**, Salimath.P.M. Comparison of Induced and Recombinational Variability for Improving Productivity in Blackgram. Indian J.Pulse Research. 19,39 (2006).
- Gowda M., Venu C.R., **Roopalakshmi K.**, Sreerekha M.V., Kulkarni R.S., (2003) Advances in rice breeding, genetics and genomics. *Molecular Breeding* 11: 337-352.
- Gowda M., **Roopalakshmi K**., Savithramma D.L., (2002) Centenary of rediscovery of Mendelian laws. The Journal of cytology and genetics, 3:95-99.

Presentations

1. **Introduction to different NGS platforms and their applications**, Department of Plant Molecular Biology and Bioinformatics, Tamil Nadu Agricultural University, Coimbatore (Sept, 2017).
2. **Overview of different sequencing techniques and data analysis**, Department of Biotechnology, SIT, Tumkur. (Aug, 2017).
3. **Nanopore technology and it applications**, Intensive Hands on Workshop on Human Genome and Transcriptome Data Analysis, Yenepoya University, Mangalore, India (March 27 – 30, 2017).
4. **Advances in whole genome sequencing NGS platform**, University of Horticultural sciences, Bangalore. (July, 2017).
5. **Introduction to long read sequencing and its application**, National symposium on Future genomics, Institute of Transdisciplinary Health Sciences & Technology, Bangalore (October 13 – 14, 2017).
6. **Introduction to Nanopore sequencing and its advantages**, Department of Biotechnology, SIT, Tumkur (Sept, 2017).