

The present Handbook of Plant Functional Genomics (Concepts and Protocols) spans over several aspects of current and emerging technologies in the field.

The editors - two of the leading experts in research with a proven track record - combine their expertise to provide an invaluable reference on the topic. To make it more inclusive, this second volume in the Molecular Plant Biology Handbook Series is divided into four main parts:

- Transcriptome Analysis
- Gene Silencing, Mutation Analysis, and Functional Genomics
- Computational Analysis
- Functional Genomics and Emerging Technologies.

Each chapter introduces the subject comprehensively, and provides state-of-the-art experimental protocols. A handy glossary of relevant technical terms is included to facilitate reading for researchers, teachers and students.



Günter Kahl is Professor for Plant Molecular Biology at Frankfurt University, Germany. After his Ph.D. in plant biochemistry, he spent two years with Joe Varner, Michigan State University, East Lansing, USA, and James Bonner, California Institute of Technology, Pasadena, USA. Main research areas are

- Plant genome analysis
- Transcriptome analyses in eukaryotic organisms
- Mutation detection.

Günter Kahl cooperates with a series of research institutions throughout Europe, in Japan, the USA, Israel, India, and Latin America. He served in expert missions for IAEA, FAO and UNESCO in many countries, and presently is Editor-in-Chief of Plant Genome and Systems Biology, and Chief Scientific Officer in GenXPro GmbH, an SME located at the Frankfurt Innovation Center Biotechnology.



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