

Loomis/CBC Joint Symposium & Workshop

Molecular Biology Building
Iowa State University
Ames, Iowa, USA
May 8 - 10, 2018

Genome Editing – Putting Together the Pieces

● Register online at: <https://register.extension.iastate.edu/loomiscbc/program> ●

Tuesday, May 8th

- 10:00am **Prof Virginijus Siksnys**
Vilnius University, Lithuania
CRISPR-Cas Show: The Soloist Cas9
and the Well-Orchestrated Cas10
- 11:00am **Prof Yinong Yang**
Penn State University
Multiplex Genome Editing for
Functional Genomics and Precision
Breeding
- 12:00pm Lunch
- 1:30pm **Loomis Lecturer: Prof J. Keith
Joung**
Harvard Medical School
Engineering CRISPR-Cas Nucleases
with Optimized Activities and
Specificities
- 2:30pm **Prof Joyce Van Eck**
Boyce Thompson Institute
Application of Gene Editing to
Accelerate Improvement of
Underutilized Crops
- 4:00pm Poster Reception

Wednesday, May 9th

- 9:30am **Keynote: Prof Stefan Jansson Umeå
University, Sweden**
Plant Genome Editing Using CRISPR/
Cas9 and the European GMO
Legislation
- 11:00am **Dr Patrick Cournoyer (FDA)**
FDA Regulation of Food from New
Plant Varieties
- 11:30am **Dr Chris Wozniak (EPA)**
Regulatory Avenues at US EPA for
Products of Novel Breeding
Technologies
- 12:00pm **Dr Sally McCammon (USDA-APHIS)**
Innovation and Regulation of the
Products of Biotechnology
- 2:30pm **Prof Jacob Sherkow**
New York Law School
IP for Plant Genome Editing:
Complexity, Breadth and Licensing
- 3:10pm **Dr Charlie Arnot**
The Center for Food Integrity
Building Consumer Trust in Gene
Editing
- 3:50pm **Prof Shawn Dorius**
Iowa State University
Sowing the Seeds of Skepticism:
Russian State News and Anti-GMO
Sentiment



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Thursday, May 10th

Morning workshop

Efficacies of Different CRISPR Systems

Beyond Gene Mutagenesis

- 8:30am **Prof Yi-Ping Qi**
University of Maryland
Plant Genome Editing with CRISPR-Cpf1 Systems
- 9:15am **Dr Linda Rymarquis**
Monsanto
CRISPR Plasmid Design: Identifying the Right Elements for the Job
- 10:00am Break
- 10:30am **Dr Joshua Young**
Dupont Pioneer
CRISPR-Cas Plant Gene Activation: From Design to Application
- 11:15am **Dr Jeff Essner**
Iowa State University
Efficient Targeted Integration Using Short Homology

Thursday, May 10th

Afternoon workshop

Group 1: IDT Workshop

- What is Available for Researchers
- Selecting gRNAs for your CRISPR System (hands-on)

Group 2: ISU Workshop

- Making CRISPR Constructs
- Observations and Advice on CRISPR Handling

- 1:00 pm Group 1
Group 2
- 2:30 pm Break
- 3:00 pm Group 2
Group 1
- 4:30 pm Conclusion

ISU Institutional Sponsors:

College of Liberal Arts, Department of Horticulture, Department of Biochemistry, Biophysics, and Molecular Biology, Genetics and Genomics Graduate Program, Raymond F. Baker Center for Plant Breeding, Office of Biotechnology

