**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](https://register.extension.iastate.edu/loomiscbc/program)

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<th>Tuesday, May 8th</th>
<th>Wednesday, May 9th</th>
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| 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 |
| 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 |
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 Speaker to be announced  
TBA  
TBA

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