

WHOLE GENOME SEQUENCING |WGS| FOR THE FOOD INDUSTRY

Current Procedures, Advances, Obstacles and Solutions



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MAY 22-23, 2017
BURR RIDGE, ILLINOIS

April 19, 2017

Dear Food Industry Sponsor,

We are hosting the follow-up to last year's very successful symposium on **Whole Genome Sequencing (WGS)**. This year's theme will be **"WGS for the Food Industry – Current Procedures, Advances, Obstacles and Solutions,"** May 22-23, 2017, held at the newly remodeled Chicago Marriott Southwest Hotel in Burr Ridge, IL. Given the rising interest level of the subject and the outstanding speaker line-up, it will be a very well attended event. We expect over 200 highly motivated attendees to come from local and global food processing companies seeking to understand the state of the technology and how it applies to their operations.

Please see the enclosed information about the program which includes the sponsorship prospectus. A sponsorship can be selected on line at the symposium registration site given below. If you select a WGS sponsorship on line, please note that the included complimentary registration(s) will require a code which we will provide. Call me anytime if you have questions.

Please visit the link below to select your sponsorship enrollment.

<https://www.eventbrite.com/e/whole-genome-sequencing-wgs-for-the-food-industry-currentadvances-obstacles-and-solutions-registration-31262319439>

Best Regards,



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Whole Genome Sequencing (WGS) for the Food Industry

Current Procedures, Advances, Obstacles and Solutions

An IFSH Symposium, May 22-23, 2017
Chicago Marriott Southwest at Burr Ridge
Burr Ridge, Illinois

Synopsis: Various governmental agencies that oversee and safeguard human health and food safety have embraced whole genome sequencing (WGS) technology as a next step in the evolution of the diagnostic tools to positively identify and track microorganisms that influence our food safety and health. Recognizing its superiorities over the traditional tools, they are moving fast to implement it in their daily investigative and regulatory procedures. However, its extensive use by the food industry to improve food safety and quality has been impeded for a variety of reasons. In this symposium, we will hear from the leading industry practitioners about the hurdles to implement, use and benefit from WGS technology, the obstacles they have encountered, and their real life or potential solutions. Also, in order to demystify the whole regulatory process, the experts from FDA, CDC and FSIS/USDA will present the current standardized methodologies, the inter-agencies synergies and convergences in various areas including analytical methodologies, data interpretations and validation.

What to expect: In this symposium, the industry practitioners will talk about the obstacles hampering the recognition, adoption and implementation of the WGS technology by the industry, and the difficulties delaying it to formulate, design and employ the more advanced food safety measures based on this new technology. A panel of industry experts will be present to answer the questions from the participants. The participants will also have the chance to learn about the procedural guidelines that regulatory agencies follow at each step from sample collections and processing, WGS data production and interpretation, to making a regulatory decision and taking actions. Case studies will be presented to explain these guidelines in more details, using real life examples. A panel of experts from the governmental agencies will be there to answer the questions and concerns of the attendees.

Who should attend: This symposium is for food safety professionals from industry, academia and government in food processing, food safety, quality assurance, regulatory functions, public health administration, and those involved in developing or using pathogen detection equipment and methods.

Location: The symposium will be hosted at the Chicago Marriott Southwest Hotel in Burr Ridge, Illinois.

Web: <https://whole-genome-sequencing-for-food-industry-2017.eventbrite.com>

Contact: Cindy Koschetz at ckoschet@iit.edu or 708.563.8152 for additional information

SPONSORSHIP PROSPECTUS

Marketing this event: IFSH and the partner organizations (organizing committee members) will market this event through email and other media message services to their own members and stakeholders which number well over 10,000 professional industry contacts. Event notices will also be placed in key professional association calendars including IFT and IAFP. An early save the date notice has been launched to stakeholders as of February 1, 2017.

Technology Showcase Sponsor \$250 for Early Bird by May 1, 2017; \$325 After May 1.

- One (1) free attendee registration
- Table-top exhibit space with electrical connection in foyer or hall as space allows
- Company logo, description and contacts in attendee packets

Silver Sponsor \$1,500

- Two (2) free attendee registrations
- Company logo and recognition in joint IFSH promotions*
- Company logo and hotlinks to organization' s website on the IFSH website
- Recognition signage in registration area and meeting room, PPT appreciation slide
- Podium recognition at welcoming and concluding addresses
- Company logo, description and contacts in attendee packets
- Choice of Table-top exhibit space with electrical connection in foyer or Main Conference Hall
- (as space allows)

Gold Sponsor \$2,500

- Four (4) free attendee registrations
- Company logo and recognition in joint IFSH e-promotions*
- Company logo and hotlinks to organization' s website on the IFSH website
- Placement of company literature or giveaways at sponsors-only table
- Recognition signage in registration area and meeting room, PPT appreciation slide
- Podium recognition at welcoming and concluding addresses
- Company logo, description and contacts in attendee packets
- Table-top exhibit space with electrical connection in Main Conference Hall (guaranteed)
- Opportunity for Sponsor to provide choice of one premium item (with sponsors logo)
 - Memory Stick
 - Conference Bag/Tote
 - Padfolio/Notepads
 - Other

*includes links and logo display in e-promos/newsletters, press releases, and social media postings

Reserve Your Sponsorship Today
Sponsor registration is available on-line at: www.iit.edu/ifsh

Contact: Armand Paradis
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WGS for the Food Industry Symposium Venue

May 22-23, 2017

Chicago Marriott Southwest at Burr Ridge, IL, USA

CHICAGO MARRIOTT SOUTHWEST AT BURR RIDGE

The symposium will be held at **Chicago Marriott Southwest at Burr Ridge**. This category 4 hotel is located at **1200 Burr Ridge Parkway, Burr Ridge, IL 60527**, which is just 21 miles south of the O'Hare International Airport and 13 miles west of the Midway International Airport. The hotel offers over 130 rooms.

We secured a special discounted rate (\$182 to \$212 per night based on the type of room) at the hotel. To take advantage of the discounted price, please use the link below.

The discounted rate will be available until May 1, 2017. Therefore, we encourage you to make the reservations ASAP.

To learn more about the hotel, please visit:

- <http://www.marriott.com/hotels/travel/chisw-chicago-marriott-southwest-at-burrridge/>
- https://www.tripadvisor.com/Hotel_Review-g35742-d483292-Reviews-Chicago_Marriott_Southwest_at_Burr_Ridge-Burr_Ridge_DuPage_County_Illinois.html



MONDAY, MAY 22, 2017

- 9:30 am -11:30 am Registration, Early Arrival and Exhibitor Networking
- 11:30 am -12:30 pm Lunch
- 12:30 pm -12:40 pm Welcoming
Robert Brackett, IIT Vice President and IFSH Director
Illinois Institute of Technology, Institute for Food Safety and Health
- 12:40 pm-1:00 pm IFSH WGS Initiative
Behzad Imanian, Project Leader, IFSH WGS Initiative
Illinois Institute of Technology, Institute for Food Safety and Health
- WGS: Procedures and Methodologies (CDC)**
- 1:00 pm -1:20 pm PulseNet: Genomics, Metagenomics, and the Future of Foodborne Disease Surveillance
John Besser, Deputy Chief, Enteric Diseases Laboratory Branch
Centers for Disease Control
- 1:20 pm - 1:40 pm Real-Time Use of Whole Genome Sequencing to Help Solve Foodborne Disease Outbreaks
Ian Williams, Chief of Outbreak Response and Prevention Branch
Centers for Disease Control
- 1:40 pm - 1:55 pm Break
- WGS: Procedures and Methodologies (FDA)**
- 1:55 pm - 2:15 pm Validation, Data Confidence, Reliability and Accuracy. How Do We Measure Sameness and What Defines It?
James Pettengil, Geneticist
Food and Drug Administration
- 2:15 pm - 2:35 pm Two Cases Where WGS Has Made a Difference and How It Happened
Arthur Pightling, Bioinformatician, CFSAN
Food and Drug Administration
- 2:35 pm - 2:55 pm What Compliance Does With WGS Data Once A Link Is Made
Leslie Hintz, Compliance Officer
Food and Drug Administration
- 2:55 pm - 3:15 pm Applications of Metagenomics for Food Safety and Quality
Karen Jarvis, Research Microbiologist
Center for Food Safety and Nutrition/ OARSA/ DVA

3:15 pm - 3:30 pm

Break

WGS: Procedures and Methodologies (FSIS/USDA)

3:30 pm - 3:50 pm

Whole Genome Sequencing at FSIS: An Update

Uday Dessai, Senior Public Health Advisor

US Department of Agriculture Food Safety and Inspection Service

3:50 pm - 4:10 pm

Whole Genome Sequencing At FSIS: Pipelines and Informatics

Glenn Tillman, Chief, Microbial Characterization Branch

US Department of Agriculture Food Safety and Inspection Service/ OPHS/ EL

WGS: Procedures and Methodologies (NCBI/NIH)

4:10 pm - 4:30 pm

The NCBI Pathogen Detection Pipeline: Providing Freely Available Analysis Reports
To Support Public Health

William Klimke, NCBI Pathogen Detection Team Leader

The National Center for Biotechnology Information

WGS: Procedures and Methodologies (FDA, CDC, USDA/FSIS)

4:30 pm - 5:45 pm

Q/A for the Panel of Experts from the Governmental Agencies

6:00 pm - 8:30 pm

Reception and Networking (Off-site)

TUESDAY, MAY 23, 2017

- 8:00 am - 8:30 am Continental Breakfast
- 8:30 am - 8:40 pm Agenda & Logistics
Behzad Imanian, Project Leader, IFSH WGS Initiative
Illinois Institute of Technology, Institute for Food Safety and Health
- WGS: Obstacles and Solutions (Food Industry)**
- 8:40 am - 9:05 am Whole Genome Sequencing and Environmental Monitoring: An Industry Case Study
Deann Akins-Lewenthal, Director of Food Safety and Microbiology (NE)
ConAgra
- 9:05 am - 9:30 am Industry Experiences with Molecular Typing
Joseph Meyer, Associate Director of Food Safety and Regulatory Affairs
Kraft Heinz
- 9:30 am - 9:55 am An Industrial Lab's Experience Of NGS
Greg Jones, Microbiologist
Campden BRI
- 9:55 am - 10:45 am Technology Showcase
- WGS: Obstacles and Solutions (Food Industry)**
- 10:45 am - 11:10 am Opportunities and Challenges using Metagenomics for Food Safety
Bart C Weimer, Professor
UC Davis, School of Veterinary Medicine
Mars Special Guest Speaker
- 11:10 am - 11:35 am Pilot Program: Whole Genome Sequencing of Food Isolates
Ai Kataoka¹ & Danielle Montoya²
Scientist, Science Operation¹ & Bioinformaticist, Data Scientist, Food Safety
Project Manager²
Grocery Manufacturers Association¹ & Noblis²
- 11:35 am - 12:00 pm Opportunities and Challenges of Whole Genome Sequencing for Food Industry
Tim Jackson, Director of Food Safety
Nestle North America
- 12:00 pm - 1:00 pm Lunch
- 1:00 pm - 2:15 pm **WGS: Obstacles and Solutions (Food Industry)**
- Q/A for the Panel of Experts from the Food Industry**
- 2:15 pm - 4:30 pm Networking (On-site)