

# Sequence to Function: Analysis and Applications for the Future (SFA<sup>2</sup>F)

La Fonda on the Plaza, Santa Fe, NM: June 21-23, 2022

## Call for Abstracts (both talks and posters) Due April 22<sup>nd</sup>, 2022

Please join us for our 16<sup>th</sup> annual Genomics meeting with an updated name to better represent our meeting's focus: "Sequencing to Function: Analysis and Applications for the Future (SFA<sup>2</sup>F)" on **June 21-23** in beautiful, historic Santa Fe, NM...**yes, in person!** The three-day SFA<sup>2</sup>F conference will focus on Next Generation Sequencing technologies, applications, and their effect on the rapidly advancing field of Genomics.

### Keynote Speakers:

- ◆ [Karen Miga](#), Director, Assistant Professor in the Biomolecular Engineering Department at UCSC and Associate Director at the UCSC Genomics Institute
- ◆ [Sharon Peacock](#), Professor of Public Health and Microbiology in the Department of Medicine, University of Cambridge, and Executive Director and Chair of the COVID-19 Genomics UK (COG-UK) consortium.
- ◆ [Jurgen Richt](#), Director Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD) and Director NIH COBRE Center on Emerging and Zoonotic Infectious Diseases (CEZID).

### Areas to be emphasized include, but are not limited to the following:

#### Genome Sequencing:

- Sequencing strategies and technology advancements using the various NGS platforms
- *De novo* sequencing, re-sequencing, Human seq., RNA seq., metagenomics, etc.
- Sequencing applications for Single Cell, Metagenomics, Transcriptomics, Diagnostics, and Biosurveillance

#### Genome Assembly:

- *De novo* assemblers for short reads, hybrid assemblers
- Recalling and calibrating genome assemblies
- Single cell and metagenomic assemblies

#### Genome Analysis:

- Comparative genomics, re-sequencing, SNPs, structural variation
- Large scale data management, cloud computing
- Analysis for Forensics, Metagenomics, and Antimicrobial Resistance

#### Applications of NGS:

- Bringing sequence to the clinic (i.e. diagnostics, cancer, inherited disorders)
- Human, non-human, and infectious disease applications
- Gene Editing, Synthetic Genomics, Forensics, Biosurveillance, and Cyberbiosecurity
- AgriGenomics, Livestock Genomics, Plant Genomics
- Global engagement and Partnerships



The conference is being sponsored by some of our favorite genomics & sequencing vendors and is hosted by [Los Alamos National Laboratory](#), thus no registration fee will be charged for general registration this year. Breakfast, lunch and snacks will be provided each day at no additional costs. A block of rooms ([SFAF](#)) has been held at the La Fonda at a special conference rate of \$133 per night. A limited number of extra rooms will also be available the weekend before and after the conference for those that want to enjoy the area a little longer.

The hotel has set up an easy to use reservation link: [La Fonda Hotel](#).

Meeting registration is limited to 250.

For abstract submission please use the following web to submit and update your abstracts by April 22<sup>nd</sup>.

Please specify preference of presentation method (Speaker, Poster, Both, Either).

<https://app.oxfordabstracts.com/stages/2679/submitter>

Our meeting websites should be updated with more info and details for the 2022 meeting soon.

<https://www.lanl.gov/conferences/sequencing-finishing-analysis-future/index.php> or <http://sfafmeeting.org/index.html>

If you have any questions, or would like further information, please contact Chris Detter at (505) 699-1996 or [sfafmeeting@gmail.com](mailto:sfafmeeting@gmail.com).

We look forward to seeing you there!!!

### The 2022 "Sequencing, Finishing and Analysis in the Future" Organizing Committee:

- \* Chris Detter, Ph.D., Principal Consultant, LBG and CSO, Definitive Biotech
- \* Johar Ali, Ph.D.,<sup>[SEP]</sup> Director Research, AA Ontario, Canada
- \* Patrick Chain, Ph.D., Bioinformatics Team Leader, LANL<sup>[SEP]</sup>
- \* Michael FitzGerald, Microbial Special Projects Manager, Broad Institute<sup>[SEP]</sup>
- \* Bob Fulton, M.S., Director of Development, Washington University
- \* Darren Grafham, Manager, Battelle UK limited
- \* Liliana Brown, Ph.D., Director Office of Genomics and Advanced Tech. at NIAID<sup>[SEP]</sup>
- \* Alla Lapidus, Ph.D., Director, Centre for Algorithmic Biotechnology, SPbU, Russia
- \* Shawn Starckenburg, Ph.D., Genomics Group Lead, LANL
- \* Donna Muzny, M.Sc., Director of Operations, BCM
- \* Tootie Tatum, Ph.D., MBA, CEO Blackhawk Genomics
- \* Bin Hu, MD, Ph.D., Staff Scientist, Los Alamos National Lab
- \* Teresa Martinez Torres, Ph.D., Sr. Scientist, MRIGlobal
- \* Maryke Appel, Ph.D., Founder & President, EXO Consulting
- \* Kelly Hoon, Executive Sales Specialist, Illumina<sup>[SEP]</sup>
- \* Kenny Yeh, Senior Science Advisor, MRIGlobal
- \* Kurt LaButti, Ph.D., Staff Data Scientist, DOE Joint Genome Institute
- \* Shannon Johnson, Ph.D., Staff Scientist, Los Alamos, National Lab