05/29/2013 - Wednesday

Time	Type	Abstract #	Title	Speaker
7:30 - 8:30am	Breakfast	x	La Fonda Breakfast Buffet	Sponsored by NEB
8:30 - 8:45	Intro	x	Welcome Intro from Los Alamos National Laboratory	TBD
x	Session Chair	x	Session Chairs	Chair - Johar Ali / Chair - Donna Muzny
8:45 - 9:30	Keynote	FF0093	Genomic Futurism	Richard Gibbs
9:30 – 9:50	Speaker 1	FF0064	Elucidating the Effects of the Deepwater Horizon Oil Spill on the Atlantic Oyster Using Global Transcriptome Analysis and GeneSifter	Todd Smith
9:50 - 10:10	Speaker 2	FF0081	New Tools for Comprehensive Exome Analyses Improves Clinical Utility of Exome Sequencing	Christian Buhay
10:10 – 10:30	Break	x	Beverages and Snacks Provided	Sponsored by DNAnexus
10:30 – 10:50	Speaker 3	FF0137b	Roche 454 sequencing --- (Roche)	Jim Knight
10:50 – 11:10	Speaker 4	FF0232	Illumina Next Generation Sequencing Sample Preparation Improvements --- (illumina)	Haley Fiske
11:10 – 11:30	Speaker 5	FF0229	Sequencing for All, Enabled by the Ion PGM™ and Ion Proton™ Systems --- (LifeTech)	Jason Affourtit
11:30 – 11:50	Speaker 6	FF0206	Emerging Applications and Roadmap for the PacBio RS II --- (PacBio)	Stephen Turner
11:50 - 12:40	Panel Discussion	x	Next Generation Sequencing Technology Panel Discussion	Chair - Bob Fulton / Chair - Patrick Chain
12:40 – 2:00pm	Lunch	x	Coronado Lunch Buffet	Sponsored by PacBio
x	Session Chair	x	Session Chairs	Chair - Tina Graves / Chair - Bob Fulton
2:00 – 2:20	Speaker 7	FF0158	Bioinformatic Applications of PacBio Long Reads to Genomic Sequencing and Finishing	Adam English
2:20 – 2:40	Speaker 8	FF0039	Optical Mapping Aids Contig Localization and Order: Lessons Learned from Applying it to the Unusual Region of Chromosome 4q in Zebrafish	Jonathan Wood
2:40 – 3:00	Speaker 9	FF0157	A High-Throughput Pipeline for Improving Assemblies with Optical Maps	Elliott Drábek
3:00 – 3:20	Speaker 10	FF0124	Self-Validating Technology-Agnostic Genome Assembly	Bud Mishra
3:20 – 3:40	Speaker 11	FF0099	De Novo Mapping with Single-Molecule Detection In Solid-State Detectors	John Oliver
3:40 – 4:00	Break	x	Beverages and Snacks Provided	Sponsored by BioNano
4:00 - 6:00pm	Tech Time Talks (15 min each)	FF0212	Developing 400-base Sequencing for the Ion PGM™	Daniel Mazur
		FF0031	Irys: De Novo Assembly and Structural Variation Detection in Complex Genomes Using Extremely Long Single-Molecule Imaging	Harper VanSteenhouse
		FF0044	Genome Mapping in Nanochannel Arrays for Sequence Assembly and Structural Variation Analysis	Ernest Lam
		FF0074	1000 Cancer Gene Panel for Clinical Next Generation Sequencing	Yilin Zhang
		FF0101a	Meeting the Challenges of High-throughput Library Construction for Illumina Sequencing from Low-input and FFPE Samples: Engineered Enzymes and Optimized, Automated Protocols	Maryke Appel
		FF0104	Direct Selection of Microbiome DNA from Host DNA	Bradley Langhorst
		FF0216	qRNA-Seq™ - High Precision Gene Expression Analysis Using Molecular Indexing	Masoud Toloue
		FF0156	Getting to Q60 with Pure PacBio(r) Long Reads	David Alexander
6:00 – 7:30pm	Posters - Even #s Meet & Greet Party	EVEN #s	Poster Session with Meet & Greet Party (Sponsored by Roche) Food & Drinks	Sponsored by Roche 6:00pm - 9:00pm
7:30 - 9:00pm	Posters - Odd #s Meet & Greet Party	ODD #s	Poster Session with Meet & Greet Party (Sponsored by Roche Food & Drinks	Sponsored by Roche 6:00pm - 9:00pm
9:00 - bedtime	on your own	x	Night on your own - enjoy	x

05/30/2013 - Thursday

Time	Type	Abstract #	Title	Speaker
7:30 - 8:30am	Breakfast	x	Santa Fe Breakfast Buffet	Sponsored by NEB
8:30 - 8:45	Intro	x	Welcome Back	TBD
x	Session Chair	x	Session Chairs	Chair - Mike Fitzgerald / Chair - Nadia Fedorova
8:45 - 9:30	Keynote	FF0121	Challenges and Opportunities in Strain-level Comparative Genomics	Mark Adams
9:30 – 9:50	Speaker 1	FF0210	Genome of the Pathogen Porphyromonas gingivalis Recovered from a Biofilm in a Hospital Sink using a New Platform and the Single-cell Assembler SPAdes	Glenn Tesler
9:50 - 10:10	Speaker 2	FF0139	Characterization of the Culex Mosquito Virome in California by Metagenomic Sequencing	Stanley Langevin
10:10 - 10:30	Speaker 3	FF0205	Food Security: the 100K Pathogen Genome Project	Bart Weimer
10:30 - 10:50	Break	x	Beverages and Snacks Provided	Sponsored by OpGen
10:50- 11:10	Speaker 4	FF0152	Genomics Capability Development and Collaborative Research with Global Engagement	Helen Cui / Tracy Erkkila
11:10 - 11:30	Speaker 5	FF0010	Establishing Regional NextGen Whole Genome Sequencing	Adam Kotorashvili
11:30 - 11:50	Speaker 6	FF0194	Biobanking and Metagenomics Platforms for Pathogen Discovery	George Michuki
11:50 - 1:10pm	Lunch	x	New Mexican Lunch Buffet	Sponsored by Perkin Elmer
x	Session Chair	x	Session Chairs	Chair - Donna Muzny / Chair - Johar Ali
1:10 - 1:30	Speaker 7	FF0071	The $1M Metagenomics Algorithm Challenge	Edward Wack
1:30 - 1:50	Speaker 8	FF0237	Analytical Process for Interactive Analysis of Deep Sequencing Data on a Laptop	Ben McMahon
1:50 - 2:10	Speaker 9	FF0160	Metagenomic Applications for Diagnostics and Etiologic Agent Discovery	Joe Petrosino
2:10 - 2:30	Speaker 10	FF0238	Clade-specific Genomic Signatures as a Method for Accurate Profiling of Metagenomic Datasets	Patrick Chain
2:30 - 2:50	Speaker 11	FF0117	Metagenomic and Metatranscriptomic Analyses of the Complex Community of a Tropical Wastewater Treatment System	Stephan Schuster
2:50 - 3:10	Break	x	Beverages and Snacks Provided	Sponsored by CLCbio
3:10 - 5:00pm	Tech Time Talks (15 min each)	FF0051b	CLC bio Products and Supported Applications	Marta Matvienko
		FF0075	The CLC Microbial Genome Finishing Module	Martin Simonsen
		FF0030	Latest Advances in Bioinformatics Computing	George Vacek
		FF0149	Implementing Fast Sequence Analysis Tools Using a Cray XMT2	Sterling Thomas
		FF0221	Genomics Applications in the Cloud with the DNAnexus Platform	Andrey Kislyuk
		FF0078	Sequence Consensus Algorithms & Hierarchical Genome Assembly Process for Effective De Novo Assembly with SMRT® Sequencing	Aaron Klammer
		FF0126	Haplotype Assembly Refinement & Improvement	Christine Olsen
5:30 - 8:00pm	Happy Hour	x	Happy Hour at Cowgirl Cafe - Sponsored by LifeTech - Map Will be Provided	Sponsored by LifeTech
8:00 - bedtime	on your own	x	Dinner and Night on Your Own - Enjoy!!!	x

05/31/2013 - Friday

Time	Type	Abstract #	Title	Speaker
7:30 - 8:30am	Breakfast	x	Harvey House Breakfast Buffet	Sponsored by NEB
8:30 - 8:45	Intro	x	Welcome Back	Chris Detter
x	Session Chair	x	Session Chairs	Chair - Patrick Chain / Chair - Bob Fulton
8:45 - 9:30	Keynote	FF0085	Keep Calm and Carry On as the Human Reference Assembly Updates	Deanna Church
9:30 – 9:50	Speaker 1	FF0054	HAVANA Manual Annotation: the Cartography of a Genome	Mike Kay
9:50 – 10:10	Speaker 2	FF0133	Genomic Analysis of Susceptibility to Autoimmunity	Ward Wakeland
10:10 – 10:30	Speaker 3	FF0019	Cross-platform NGS Method for the Identification STR Loci	Daniel Bornman
10:30 – 10:50	Speaker 4	FF0134	Tomorrow's Genome: Complete Bacterial Genomes in <24 h for Outbreak Response	Ken Dewar
10:50 – 11:10	Break	x	Beverages and Snacks Provided	Sponsored by AATI
11:10 – 11:30	Speaker 5	FF0029	Consed and BamScape for Next-Gen Sequencing	David Gordon
11:30 – 11:50	Speaker 6	FF0137a	Assembling Human Genomes	Jim Knight
11:50 – 12:10	Speaker 7	FF0144	Reducing Assembly Complexity of Microbial Genomes with Single-molecule Sequencing	Adam Phillippy
12:10 - 1:10pm	Lunch	x	Santa Fe Deli Lunch Buffet	Sponsored by illumina
x	Session Chair	x	Session Chairs	Chair - Mike Fitzgerald / Chair - Darren Grafham
1:10 - 1:30	Speaker 8	FF0168	Reference Assisted Assembly With ALLPATHSLG	Sante Gnerre
1:30 - 1:50	Speaker 9	FF0080a	SPAdes: Assembling Microbes in the Cloud	Anton Korobeynikov
1:50 - 2:10	Speaker 10	FF0146	Inexpensive High Quality Genome Assemblies from a Single PCR-free Illumina Library	Ted Sharpe
2:10 - 2:30	Speaker 11	FF0097a	Fat-Free Bioinformatics: Successful Microbial Genomics in a Lean Contract Research Environment	Jonathan Jacobs
2:30 - 2:50pm	Closing Discussions	x	Closing Discussions for General Meeting - discuss next year's meeting	Chair - Chris Detter