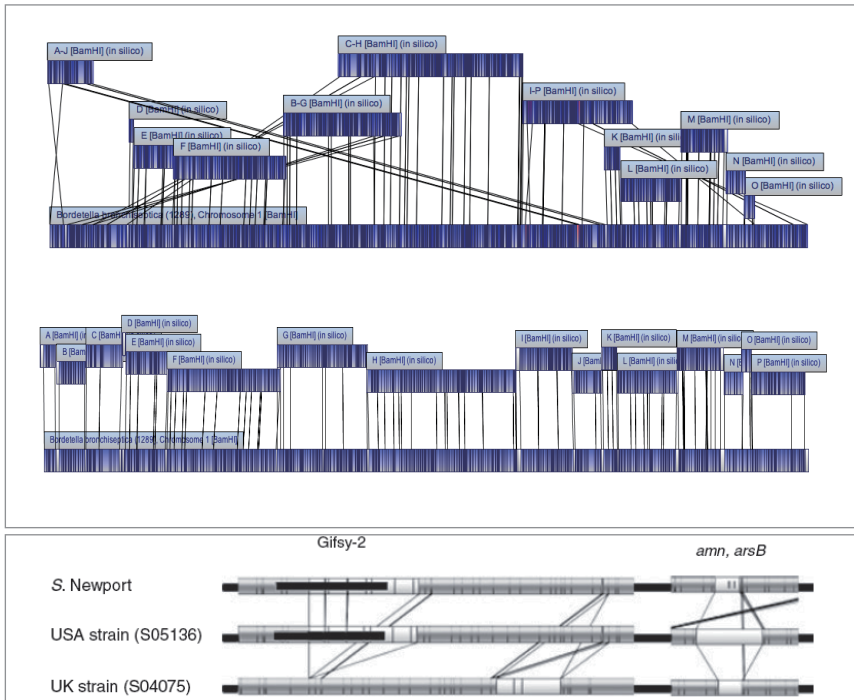


研討會主題: Whole Genome Analysis by using the Optical Mapping Technology

Compare Whole Genomes
Finish, Validate, Assemble Whole Genome Sequences
Differentiate Strain Types



主講人

Trevor K. Wagner, PhD,
Senior Applications Scientist

Trevor first joined OpGen as a Senior Scientist in September 2006. He has over 10 years of research expertise in the areas of molecular biology, genetics, biotechnology, and microbiology. In March of 2009 he took on the role of Senior Applications Scientist, supporting OpGen customers in using the Optical Mapping technology. He has contributed to Optical Mapping research projects, given seminars, and presented posters relating to the Optical Mapping technology and instrumentation. His projects have included the identification of bacteria in mixtures, genomic diversity of Escherichia coli, pathogenicity islands in Staphylococcus aureus, identification of prophages in Pseudomonas aeruginosa, rapid identification of microorganisms using Optical Mapping technology, finishing of human microbiome bacterial genomes, as well as the generation of Salmonella enteric and Haiti Vibrio cholera outbreak data for the CDC. Trevor has the responsibility for providing technical expertise regarding OpGen technologies internally and externally to OpGen. Trevor obtained a PhD in Genetics from Michigan State University studying and publishing on bacterial pathogenesis and BS degrees in Bacteriology and Genetics from the University of Wisconsin – Madison.

主題: Whole Genome Analysis by using the Optical Mapping Technology

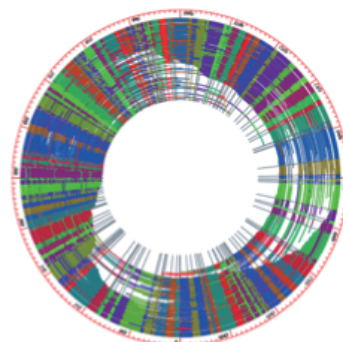
主講人: Trevor K. Wagner, PhD

時間: 4月29日(五), 下午3:30-5:00

場地: 中研院農業科技大樓 A134 會議室



Optical Mapping is a de novo process that generates whole genome, ordered, restriction maps with no requirement for previous sequence information. Whole genome analysis may be performed on bacteria, yeast or fungi. Where current technologies like microarray or SNP genotyping systems detect small changes in DNA sequence, Optical Mapping can find the unexpected — genomic rearrangements and modifications to



genomic architecture and novel discovery, independent of prior sequence information.

Technology Applications

- Comparative Genomics
- Whole Genome Sequence Assembly
- Strain Typing and Epidemiology

「Whole Genome Analysis by using the Optical
Mapping Technology」 研討會報名表回條

由於本次場地座位有限，採預約報名方式，欲參加者請填妥本回條回傳至
探索生物科技有限公司

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職 稱	