

CBI Awards

R&D 100 Award

- The 56th annual R&D 100 awardees recognizes the 100 most exceptional innovation in science and technology for the past year. The R&D 100 awards have long been considered the most globally prestigious recognition of invention and innovation. The award ceremony was held November 16 in Orlando, FL.
- The TNT Cloning system from CBI is a flexible DNA assembly from universal libraries to generate multi-gene constructs was awarded to Gerald Tuskan and Xiaohan Yang have filed a patent application (US 10,017,770 B2) that provides a predefined three-nucleotide (TNT) signature and a buffer system for a quick one-pot reaction. The Gene assembly speed streamlines steps for a system that is up to 80% faster than other assembly systems.

Association for Computing Machinery (ACM) Gordon Bell Prize

- The Gordon Bell Prize is awarded each year to recognize outstanding achievement in high-performance computing. The purpose of the award is to track the progress over time of parallel computing, with emphasis on rewarding innovation in applying high-performance computing to applications in science, engineering, and large-scale data analytics. The award ceremony was held November 15 in Dallas, TX.
- The ORNL team of Daniel Jacobson, Wayne Joubert, Deborah Weighill, and David Kanier developed a new “CoMet” algorithm that allows supercomputers to process vast amounts of genetic data and identify genes. By running the algorithm supercomputers are able to successfully process data at a magnitude that is four to five times greater than the latest state-of-the-art approaches. CoMet is currently being used in leveraging population-scale genomic datasets and algorithmic advances hidden networks of genes at incredible speeds.



Gerald Tuskan and Xiaohan Yang at the 2018 R&D Awards Ceremony



Daniel Jacobson and Wayne Joubert at the 2018 ACM Gordon Bell Prize Ceremony