



American Society for Quality (www.asq.org) – Washington D.C. and Maryland Metro, Section 509 (www.asq509.org)

Biomed/Biotech Special Interest Group (SIG) Meeting

“China Biopharmaceutical R&D Experience 2003-2010 – Achievements and Challenges”

Presented by

Hongjun Harry Yang, PhD

Sr. VP, Strategic Planning and Asian Operation, Sirnaomics, Inc.

Thursday, September 30, 2010

6:00 – 6:20 PM – Networking; Pizza/drink

6:20 – 8:30 PM – Program (a 10-min break at 7:40 pm)

8:30 – 9:00 PM – Door-prizes drawing; Networking

Open to Public - **Free to ASQ Members** (**Become a ASQ Member & Save**)

\$5 for non-ASQ members to cover pizza/drink cost

Free to all High School Students & Summer Interns

Location: Kelly's Deli Conference Center, **7519 Standish Place, Rockville, MD 20855**

Registration: For headcount purpose, please register by Thursday noon, September 30, 2010. Registration

Website: <http://www.asq509.org/ht/d/DoSurvey/i/35817>

For question, contact Dr. C.J. George Chang, Chair of Biomed/Biotech SIG, at gchang2008@yahoo.com or 240-793-8425 (cell).

Presentation Summary: China Biopharmaceutical Experience 2003-2010 – Achievements and Challenges

In the past decade, research and development (R&D) of life science, biotech, and pharmaceuticals in China has made a substantial progress and attracted global attention. The related innovation and commercialization has become one of the 7 major developing industries for its economic growth.

As the reform and the open policy of China are going deeper and wider, quality of people's daily lives has since improved and demands on quality health care are increased drastically. Tremendous needs for fast development exist in those industries and supporting sectors, and China's government has since taken the leadership encouraging and supporting such a fast pace of growth and development. Numerous biotech-parks are vividly being developed; oversea returnees have been the major driving force for the initiation and innovation in biotech and pharmaceutical R&D activities.

Dr. Yang has witnessed that process and those achievements and development trends from 2003 to 2010; has also observed the many challenges that China has since been faced with in terms of product development and technology management. He plans to make his presentation both interactive and informative.

Speaker Biography: Hongjun Harry Yang, PhD (hyang88@yahoo.com)

Dr. Harry Yang received his Ph.D. in Chemistry under the supervision of Prof. Allen J. Bard, Dept. of Chemistry and Biochemistry, The University of Texas at Austin in 1991. He has served as a **Sr. VP** for Strategic Planning and Asia Operation at Sirnaomics since 2007. With his efforts and leadership, Suzhou Sirnaomics has won the Technical Pioneering Award of Suzhou Industrial Park in 2008 and been selected as Top 10 companies for its Innovation and Entrepreneurship in Changjiang Delta in 2008. Recently Suzhou Sirnaomics' proposal of siRNA Therapy against H1N1 Virus and Influenza A has become an official project of National Innovative Medicine Program. Prior to being recruited as an **executive director** in 2003 for the Chinese National Center for Biochip Technology in Shanghai, Dr. Yang had over 18 years of combined education and industrial experience in the US. Dr. Yang is a renowned **expert** in the design and development of biochip and diagnostic technologies and products. He started his career in US as a **research scientist** at IGEN with a variety of research interests. He successfully developed and commercialized a novel diagnostic electrochemiluminescence technology and product that is now licensed and used in Roche Cobas instrument series. Subsequently he discovered multi-wavelength ECL, lanthanide chelates ECL, miniaturized ECL instrument for POC product, etc. His first author paper in Nature/Biotechnology was published in 1994. Because of his multidisciplinary experience and background in scientific research and engineering and his success and accomplishment at IGEN, from 1995, Dr. Yang was recruited as a technical management executive for a series of start up biochip companies such as Genometrix, Nanogen, and finally Gene Logic. At Gene Logic, Dr. Yang has developed/commercialized new generation of biochip platform, "flow-thru chip" technology and its system. Dr. Yang also actively involved in gene expression database business and developed disease-focused chips for diagnostic and prognostic applications.

In **2003** Dr. Yang was returned to his hometown, Shanghai, to help to establish the National Center for biochip Technology, Shanghai. Then, he further transformed this academic oriented institute into a CRO type commercial company that was recognized internationally. Afterward, Dr. Yang transformed another academic institute, Tianjin Biochip Corporation, to a business driven CRO that complied with US GLP requirements. To recognize his leadership, dedication, devotion, Dr. Yang received **Outstanding Contribution Award** from TEDA in 2007. Dr. Yang was also involved in making China hi-tech development plan, 863 Program, and in charge of the biochip and diagnostic technology parts of the program. Dr. Yang was invited to be a co-chair of the first international forum on *in vitro* diagnostics (IVD) in China. Dr. Yang has been selected as a member of Chinese Biochip Association, a member of Chinese Nanotechnology Association, an executive member of Chinese Biobanking Association, and a member of Shanghai Bioinformatics Association, and a visiting professor at Suzhou Institute of Nanotechnology, CAS.

Directions to meeting: From I-270 (North or South bound):

Take Exit 9A and exit from the first right exit.

Turn left (east) onto Shady Grove Drive.

Turn right (south) onto Rockville Pike (**Route 355**).

Turn left (east) onto East Gude Drive.

Turn left (north) immediately onto Crabb's Branch Drive.

Turn left (west) immediately onto Standish Place.

The first building on your right side is 7519 Standish Place; open parking. The conference room is on the first floor with its entrance opposite to the left side of 7519 building main entrance.