

# The First MAQC Society Annual Conference

[www.MAQCSociety.org](http://www.MAQCSociety.org)

Weida Tong, President of the Society

# MAQC Society and MAQC Consortium

- MAQC Society: **Massive Analysis and Quality Control (MAQC)**
- Rhymed with **MAQC consortium = MicroArray Quality Control**
  - Led by the FDA for the past decade
  - Completed three projects
  - Working on the fourth project, called SEQC2
  - Objective: reproducibility

# Objective and Goals

- **Objective:**
  - To communicate, promote, and advance **reproducible science** principles and **quality control** methodologies for analysis of **massive data** generated from the existing and **emerging technologies** in solving biological, health, and medical problems.
- **Goals:**
  - To advocate and facilitate the development and application of quality control practice and standard analysis protocols of bioinformatics and biostatistics for enhanced **reproducibility across multiple experiments, laboratories, and data analysis methods.**
  - To advance our understanding and best practices in the development and application of the objective for **drug development, clinical application, and safety/risk assessment.**

# Board Members

- Weida Tong (Chairman), NCTR/FDA
- Russ Wolfinger, Director of Scientific Discovery and Genomics at SAS Institute, USA
- Wendell Jones, Principle Bioinformatician and Scientific Advisor at Q2 lab solutions, USA
- Chris Mason, Associate Professor, Weill Cornell Medical College, USA
- Ben Haibe-Kains is a Computational Biologist (PI), Associate Director, Princess Margaret Cancer Center in Toronto, Canada
- Matthias Fisher, Professor, Cologne U, Germany
- Susanna Sansone, Professor, Oxford U., UK

# Officers

- President: Weida Tong, NCTR/FDA
- Vice President: Leming Shi at Fudan U, China (will host the meeting Shanghai in 2018)
- President-Elect: Cesare Furlanello from Italy (will host the meeting in Trentino in 2019)
- The Executive Secretary: Becky Kusko (VP of Genomics at Immuneering Corporation)
- The Treasurer: Baitang Ning, NCTR/FDA

# How to Achieve the Objective/Goals

- Provide a platform for the members to address and discuss the issues related to the objective.
- Coordinate activities that will contribute to the development of the objective.
- Engage its dialog and cooperation with the societies and organizations of similar interest and focus.
- Facilitate the collaboration of researchers to develop projects related to the objective.
- Promote education and communication of the objective with the national and international communities.
- Inform the general public on the results and implications of current research related to the objective.
- Support, encourage, and mentor the career development of young scientists and students deeply engaged in the objective.

# MAQC – MCBIOS Cooperation

- MCBIOS: MidSouth Computational Biology and Bioinformatics Society
- Burroughs Wellcome Fund (BWF) supports the cooperation
- MCBIOS members supported by BWF
  - Bindu Nanduri: President
  - Shraddha Thakkar: Past President
  - Inimary Toby: The Executive Secretary
- MCBIOS Postdoc presentation winners
  - Tanmay Bera
  - Suguna Devi Sakkiah
  - Harsh Dweep
  - Suresh Subramani