



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

## Biomed/Biotech Special Interest Group Meeting

### **“Gene Therapies – Dogs as Models for Humans”**

Presented by

**Tomislav Modric, DVM, PhD**

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Veterinary Medical Officer, Division of Surveillance  
Office of Surveillance and Compliance, Center for Veterinary Medicine, FDA

**July 9, 2009 (Thursday) Evening**

**6:00 PM – Networking and Pizza and soft drink with a door prize**

**6:15 – 8:15 PM – Program**

**8:15 – 8:30 PM – Door-prize drawing and networking**

***Free and open to the public***

#### **Location:**

**Kelly’s Deli Conference Center, 7519 Standish Place, Rockville, MD 20855**

#### **Driving directions:**

From I-270 (N or S bound):

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

Turn left (east) onto Shady Grove Dr.

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

Turn left (east) onto East Gude Dr.

Turn left (north) immediately onto Crabb’s Branch Dr.

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 building main entrance.

**For headcount purpose, please register by Thursday noon, July 9, 2009.**

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

For registration problems or further information contact **Dr. George Chang**,

Co-Chair of Biomed/Biotech SIG, at [gchang2008@yahoo.com](mailto:gchang2008@yahoo.com) or call **240-793-8425**.

#### **Presentation Summary:**

Dogs are commonly used as experimental models in safety, pharmacology and other preclinical studies. Study of heritable diseases in dogs is facilitated by the availability of dog genome sequence and other tools for genetic research. Moreover, some of the heritable diseases in dogs are similar to human ones and are caused by mutations in genes homologous to human genes. Examples include hemophilia, blindness, muscular dystrophies, as well as cancers, cardiovascular, metabolic, and immune diseases. Thus, dogs are excellent animal models for gene therapies (GT) and other emerging technologies in the treatment of human diseases.

#### **Event Speaker’ Bio:**

Dr. Tomislav Modric, DVM, PhD, has been with the FDA’s Center of Veterinary Medicine (CVM) for almost 7 years working on various issues including transgenic animals, new animal drug safety, human food safety of animal drugs, and post-approval monitoring of animal drugs. Dr. Modric has served as a Chair of the Animal Biotechnology Working group at CVM in the year 2006/7 and is currently an editorial board member of the journal Animal Biotechnology. Prior to that, he has worked in academic and animal health industry settings, where he used transgenic animal models for studying

endocrine and parasitic diseases, respectively. This includes working on several veterinary drug discovery projects at Pfizer Animal Health and serving as an Adjunct Professor of Chemistry at the Western Michigan University.