

## **RMTC SCIENTIFIC ADVISORY COMMITTEE**

Dr. Scott Hay

Dr. Rick Arthur

Dr. Jeff Blea

Dr. Adam Chambers

Dr. Carolyn Cooper

Dr. Anthony Fontana

Petra Hartmann

Brendan Heffron

Dr. Lynn Hovda

Al Kind

Dr. Heather Knych

Dr. Foster Northrop

Dr. Scott Palmer

Dr. Mary Robinson

Dr. Rick Sams

Dr. Mary Scollay

Dr. Scott Stanley

Alex Waldrop (RMTC Chair/non-voting member)

## **BIOGRAPHICAL SUMMARIES**

Dr. Scott Hay (Co-Chair)

*President of Teigland, Franklin and Brokken, DVM's, based in Fort Lauderdale, FL – a veterinary practice focused on the care of Thoroughbred racehorses throughout the eastern U.S. Dr. Hay has been with the*

*practice since 1988. He has served on several committees within the AAEP and is a former member of their Board of Directors. He currently sits on the Grayson-Jockey Club Research Advisory Committee.*

Dr. Rick Arthur

*Became the equine medical director at the UC Davis School of Veterinary Medicine assigned to the CHRB in 2006 after 30 years of Thoroughbred race track practice. Dr. Arthur is a past president of AAEP with over 30 peer-reviewed publications or book chapters and numerous national and international presentations of equine race track practice, medication regulation and drug testing.*

Dr. Jeff Blea

*Former Thoroughbred jockey, breeder and owner; he is a partner in a five-veterinarian Thoroughbred practice in Southern California. Dr. Blea is a past president of AAEP and the Southern California Equine Foundation, and a former member for the UC Davis Grant Review Committee and GJC Scientific Review Committee. He continues to serve on numerous industry-related committees and board of directors while practicing on the racetrack.*

Dr. Adam Chambers

*Senior Manager of Veterinary Services for the Alcohol and Gaming Commission of Ontario (AGCO) since 2016. Previously, Dr. Chambers was Manager of Veterinary Services and Commission Veterinarian for the Ontario Racing Commission. He currently supervises AGCO's veterinary programs and official veterinarians. From 2011-2016, he worked with the Canadian Pari-Mutuel Agency as its veterinarian in the Equine Drug Control Program. He was in private equine practice from 2001-2010 in Ontario and California.*

Carolyn Cooper

*Director of the Canadian Pari-Mutuel Agency's Equine Drug Control Program. Dr. Cooper received her DVM from the University of Guelph's Ontario Veterinary College. She has extensive experience working with high level performance horses in a variety of disciplines and as a regulator with the Canadian Food Inspection Agency in the domain of animal health.*

Dr. Anthony Fontana, Jr.

*Technical Director for Truesdail Laboratories, Inc. with over 15 years of laboratory management experience. Dr. Fontana oversees all day-to-day laboratory activities, research and procurement of instrumentation, oversight of senior management, specialized areas of testing, proposal and bid preparation; and develops standard operating procedures. He also provides senior program and project management, manpower planning, obtains outside certifications and interacts with regulatory agencies, as well as reviews technical data packages and reports. He received his bachelor degree in Biochemistry from the UC Riverside and doctorate in Agricultural and Environmental Chemistry from the UC Davis. Member of the Association of Official Racing Chemists.*

Petra Hartmann

*Laboratory Director for drug testing services at Industrial Laboratories Co. Dr. Hartmann received her Master of Science degree in Pharmacy/Forensic Drug Chemistry at the University of Florida. She is a professional member of the Association of Official Racing Chemists and a past vice-chair of the Testing Integrity Program. Author of numerous published articles on equine chemistry matters.*

Brendan Heffron

*Principal Analytical Forensic Toxicology Specialist with the Analytical Forensic Testing Laboratory in Chicago, IL, with over 10 years of equine testing laboratory experience. Dr. Heffron oversees the day-to-day laboratory sample processing, as well as method development and validation including the development of standard operating procedures. He has authored and co-authored several articles in peer-reviewed journals on topics such as sample testing methodology and drug metabolism. He graduated from the University of Illinois at Urbana-Champaign with a Bachelor of Science in Biochemistry. Dr. Heffron received his Master of Science degree in Forensic Science from the University of Illinois at Chicago. Full member of the Society of Forensic Toxicologists and a professional member of the Association of Official Racing Chemists.*

Dr. Lynn Hovda

*Chief Commission Veterinarian for the MN Racing Commission since '94. Dr. Hovda graduated from NDSU with a degree in pharmacy and the Univ. of MN with a degree in veterinary medicine. She followed this with a large animal internship at the Univ. of GA and a three-year residency in large animal medicine at the Univ. of WI., where she obtained her Master of Science degree in '89 and board certification in the College of Veterinary Internal Medicine in '92. She's an adjunct Clinical Professor at the Univ. Of MN College Of Veterinary Medicine, where she teaches toxicology. Founding partner and Director of Veterinary Services at SafetyCall International and Pet Poison Helpline – a private poison control*

*center. Dr. Hovda has presented at national conferences, co-authored numerous lay and scientific publications and book chapters, and edited toxicology sections in both small and large animal textbooks.*

Mr. Al Kind

*Lead Racing Chemist at the TX A&M Veterinary Medical Diagnostic Laboratory Drug Testing Section. Mr. Kind has over 30 years' experience in the Racing Chemistry field – having worked at the Microchemistry Laboratory at UConn performing Greyhound testing, as well as directing the Iowa State University Racing Chemistry Laboratory. He is a Fellow of the Association of Official Racing Chemists, and has served on the board and as president of that organization.*

Dr. Foster Northrop

*Equine veterinarian practicing primarily on Thoroughbred racehorses at Churchill Downs, Keeneland and Palm Meadows. Dr. Northrop is a graduate of the University of Georgia, and started in the equine industry in 1989 working under Dr. John R. Steele – primarily on Standardbred racehorses but additionally on show horses in Wellington, FL. He served four years on the Grayson-Jockey Club Research Committee and, in 2008, was appointed by Governor Beshear to the KY Horse Racing Commission. He was an original vice chair of the AAEP racing task force – which became a committee – and continues to serve on the Racing Committee for AAEP. Dr. Northrop received a 2010 Presidents Award from AAEP for contributing a significant portion of his time and expertise to benefit the health and welfare of the horse.*

Dr. Scott Palmer

*Serves as the NY State Gaming Commission Equine Medical Director and is an adjunct professor at Cornell University College of Veterinary Medicine. Prior to serving in these capacities, Dr. Palmer worked for 38 years in the racing industry as a racetrack practitioner and referral surgeon at the NJ Equine Clinic, where he pioneered the use of lasers in minimally-invasive surgical procedures. He is a past president of the AAEP and the American Board of Veterinary Practitioners, and a past chair of the AAEP Racing Committee. He currently serves as a board member of the Thoroughbred Charities of America. Dr. Palmer is a regular speaker at international veterinary conferences and has published numerous scientific articles and book chapters on surgical topics. His current research efforts are focused on preventing fatal musculoskeletal injuries of Thoroughbred racehorses.*

Dr. Mary Robinson

*Director of the University of Penn. School of Veterinary Medicine's Equine Pharmacology Laboratory, and manages a team of researchers at New Bolton Center to study the pharmacokinetics and pharmacodynamics of drugs in horses. Dr. Robinson is also the acting director of the Penn. Equine Toxicology and Research Laboratory within the Penn. Department of Agriculture – which performs equine drug testing on about 40,000 samples per year from the six major racetracks in PA, as well as research in analytical chemistry to improve methods used to detect illegal drug use. A lifelong equestrian, she is a graduate of Penn Vet's Veterinary Medical Scientist Training Program – with both her VMD and PhD in Pharmacological Sciences. She is also a diplomat of the American College of Veterinary Clinical Pharmacology.*

Dr. Richard Sams

*Former scientific director of LGC Science, Inc. in Lexington, KY. Dr. Sams served as director of the Analytical Toxicology Laboratory at OSU from '78-'06 and the Florida Racing Laboratory at UF from '06-'10. He was a member of the veterinary medicine faculty at OSU from '76-'06 and at UF from '06-'10, where he had responsibility for teaching veterinary pharmacology to veterinary and graduate students. Dr. Sams has mentored numerous graduate students and has pursued an active research program with emphasis on the pharmacokinetics of drugs in animals – particularly horses. He has served as a consultant to the Drug Testing Standards and Practices Committee of RCI and has been a technical advisor to the RMTC since its inception. He has authored more than 130 peer-reviewed scientific articles and is a qualified expert in the field of veterinary pharmacology. Member of the American Society of Mass Spectrometry, International Association of Forensic Toxicologists, and American Academy of Veterinary Pharmacology and Therapeutics. Professional member of the Association of Official Racing Chemists.*

Dr. Mary Scollay

*Equine Medical Director to the KY Horse Racing Commission and adjunct faculty at the Univ. of KY since 2008. Prior to that, Dr. Scollay served for 19 years as a racing regulatory veterinarian in IL and later FL. She is veterinary consultant to The Jockey Club Equine Injury Database and a member of AAEP. She has made numerous domestic and international presentations on racing injuries, injury prevention and mitigation, medication regulation, and management of infectious disease – and has served as a reviewer for several peer-reviewed publications.*