

# Maria Raymond Schnobrich, VMD, Diplomate ACT

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## EDUCATION:

**University of Pennsylvania** September 2004-May 2008  
School of Veterinary Medicine  
*Philadelphia, PA*  
VMD  
GPA: 3.96  
Class Rank: 4<sup>th</sup> out of 104  
Graduated Summa Cum Laude

**Brown University** January 1998 – May 2002  
*Providence, RI*  
Bachelor of Arts in Biology, May 2002  
Biology GPA: 3.8/3.9

- Honors Thesis on Behavior and Learning in Zebra Fish *Danio rerio* and presentation of findings at the Easter Psychological Conference, March 2002.

## POSTGRADUATE EDUCATION:

**University of Pennsylvania** July 2010-July 2012  
School of Veterinary Medicine  
Residency, Large Animal Reproduction  
*Kennett Square, PA*

**Rood and Riddle Equine Hospital** June 2008-July 2009  
Ambulatory Intern  
*Lexington, KY*

## POSITIONS / STAFF APPOINTMENTS

**Rood and Riddle Equine Hospital** November 2012-present  
Staff Theriogenologist  
*Lexington, KY*

**University of Pennsylvania, New Bolton Center** July 2010-July 2012  
Resident Large Animal Reproduction  
*Kennett Square, PA*

**Rood and Riddle Equine Hospital** July 2009-July 2010  
Ambulatory Associate/Farm Veterinarian Shadwell Farm  
*Lexington, KY*

## SPECIALTY CERTIFICATION:

Diplomate, American College of Theriogenology (2012)

## SCHOLARSHIPS/ AWARDS

- SCAVMA Class of 2013 Award for Best Intern/Resident at New Bolton Center
- 2012 William B. Boucher Award for Outstanding Teaching at New Bolton Center
- 2012 Charles W. Raker Award

- 2008: Teaching Award: “awarded to the senior student who has exhibited the highest devotion to veterinary medicine by providing humane, conscientious and skillful patient care”
- 2008: Award of Excellence in Large Animal Reproduction
- 2005, 2006, 2007, 2008: Dean’s List
- 2007-2008: Hill’s Pet Nutrition, Inc. Dean’s Scholarship
- 2007-2008: Dr. Charles Reid Equine Dean’s Scholarship
- 2006,2007: Phi Zeta Member
- 2006,2007: Senseman-Macgregor Scholarship
- 2006,2007: Coult Scholarship
- 2005-2006: Caplen Scholarship
- 2000,2001,2002:Dean’s List

**EARLY RESEARCH BACKGROUND:**

**NIH-MERCK Summer Research**

June - September 2006

UPenn School of Veterinary Medicine

Department of Pathobiology

Philadelphia, PA

- Selected as an NIH-Merck Summer Scholar to conduct research examining complement and toll-like receptor co-engagement in rainbow trout leukocytes. Research findings were presented as an abstract and poster at the 2006 Merck/Merial Veterinary Scholar National Symposium. Summarized results in a final paper submitted to Dr. Oriol Sunyer, Principal Investigator.

**Researcher**

September 2001 – May 2002

Brown University

Providence, RI

- Designed and conducted behavioral experiments on zebra fish.
- Published results and presented for the Eastern Psychological Association Spring Conference.
- Supervised undergraduates conducting similar experiments.

**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:**

Kentucky Veterinary Medical Association

Society for Theriogenology

American College of Theriogenology

American Veterinary Medical Association

American Association of Equine Practitioners

**PUBLICATIONS:**

Roach J., Schnobrich, M.R., Ellebrock, R., Feijo, L, Bradecamp, E., Alverenga M.A., Kline, K., Canisso, I. Comparison of cushioned centrifugation and SpermFilter filtration on longevity and morphology of cooled-stored equine semen. *Veterinary Record* (2016) Vol 178 (10) pp241

**Schnobrich, M.R.,** Turner, R.O., Belcher C.N, Slack, J. Transrectal Ultrasonographic Characterization of the Accessory Sex Glands, Pelvic Urethra and Ureters in Normal Geldings. *Theriogenology* (2016) Vol 85(2)pp186-92

**Schnobrich, M.R.,** Riddle W.T., LeBlanc, M.M. and Stromberg, A.J.. The effect of manual twin elimination on live foal rate in Thoroughbred mares. *Animal Reproduction Science* 121S (2010) S324-S325.

Vanderwall, D.K., Agnew, M.E., **Schnobrich, M.R.**, Maenhoudt, C., and McDonnell, S.M. Effect of administration of oxytocin during diestrus on the duration of corpus luteum function and estrous behavior in cycling mares. *Theriogenology*, (Sept 2012) Vol 4.(3) pp 400.

**Schnobrich, M.R.**, Riddle W.T., LeBlanc, M.M. and Stromberg, A.J. Factors affecting live foal rates of Thoroughbred mares that undergo manual twin elimination. *Equine Veterinary Journal*, (2013) Feb. 25. Doi:10.1111/evj.12074

## **TEACHING RESPONSIBILITIES:**

### **Rood and Riddle Equine Hospital (2012-present)**

#### Lectures/Laboratories:

- Review of Equine Reproduction/Physiology in Mares (2 hours lecture for Interns)
- Review of Periparturient emergencies in Mares (2 hour lecture for Interns)
- Client Education Seminar (review of current advances in equine reproduction-1 hour lecture)
- Mare palpation lab- 3 hours

### **University of Pennsylvania, Kennett Square, PA (2010-2012)**

#### Clinical Responsibilities:

- Large Animal Reproduction Rotation (12 weeks per year)

#### Lectures/Laboratories:

- Camelid reproduction (2 hours)
- Sheep and Goat reproduction (2 hours)
- Equine Club: Review of equine reproduction
- Havemeyer Stallion lab/lectures (2 hours per year)

## **PRESENTATIONS:**

### **2016**

American Association for Equine Practitioners, Annual conference, Orlando, Florida  
Reproductive hysteroscopy (2 oral sessions)

18<sup>th</sup> International Congress on Animal Reproduction, Tours, France, June 2106

Abstract Presentation: Comparison of cushioned centrifugation and SpermFilter filtration on longevity and morphology of cooled-stored equine semen (Poster).

Society for Theriogenology, Annual conference, College Station, Colorado

- 1) Reproductive tract Findings in two Trisomy 63XXX Thoroughbred mares(oral presentation)
- 2) Creatinine Concentration to diagnose urometra in uterine fluid of mares (oral presentation)

Rood and Riddle Client Education Seminar, Lexington, KY  
Advances in Reproduction

### **2015**

Rood and Riddle Equine Hospital Client Education Seminar, Lexington KY

Advances in the use of transrectal and abdominal reproductive ultrasound

Society for Theriogenology, Annual conference, Portland, Oregon, August 2014.

## **2014**

American Association for Equine Practitioners, Annual conference, Salt Lake City, Utah, December 2014.

*Abstract Presentation:* Effects of Intrauterine Infusion of a Water-Based Suspension of Enrofloxacin on Mare Endometrium (25 minutes)

Kentucky Veterinary Medical Association, Annual conference, Louisville, KY 2014.

Review of recent developments in problem mare management and treatments for endometritis (45 minutes)

Review of the uses of ultrasound to assess pregnancy and reproductive health in mares (45 minutes)

Reproductive ultrasonography in stallions and geldings (45 minutes)

Society for Theriogenology, Annual conference, Portland, Oregon, August 2014.

*Abstract Presentation:* Comparison of Serum amyloid A concentrations in Thoroughbred mares experiencing embryonic loss and in mares maintaining pregnancy (15 minutes)

*Abstract Presentation:* Deep-horn intra-uterine application of prostaglandin (PG) E2 does not hasten oviductal transport of equine embryos (15 minutes)

## **2013**

Society for Theriogenology, Annual conference, Louisville, KY, August 2013.

*Abstract Presentation:* Ultrasonographic characterization of the accessory sex glands in normal geldings

## **2012**

University of Pennsylvania, New Bolton Center. Grand Rounds. March 2012, Kennett Square, PA

Kallisto; a case review of embryo transfer

## **2011**

University of Pennsylvania, New Bolton Center. Grand Rounds. March 2012, Kennett Square, PA

Large colon volvulus in pregnant mares and survivability (1 hour)

## **PROFESSIONAL MEETINGS ATTENDED:**

Society for Theriogenology, annual conference (2008,2012, 2013,2014, 2015,2016)

American Association of Equine Practitioners, annual conference (2008, 2009, 2010, 2011,2013, 2014,2015,2016)

18<sup>th</sup> International Congress on Animal Reproduction, Tours France (2016)

International Symposium of Equine Reproduction (ISER X), Lexington, KY,( 2008)

Kentucky Veterinary Medical Association, Louisville, KY,( 2013)

Kenney Symposium, Kennett Square, PA (2010, 2014)