



ONE WORLD,

ONE MEDICINE,

ONE HEALTH

One Health Intellectual Exchange

Weekly Discussions / Course: Philosophy to Practical Integration of Human, Animal and Environmental Health

A weekly discussion series, sponsored by the **North Carolina One Health Collaborative** within the NCBC IEG Program to enhance collaborations between physicians, veterinarians, researchers and other local/global/environmental health professionals by increasing public awareness of the interconnectedness of people, animals and the environment.

(Available each spring for credit if desired)

6th 2014 Weekly Session - Tuesday, February 18th
5:30 – 7:30 p.m.

Hemotropic Mycoplasmas: Insight into reservoirs and new species

Ricardo G Maggi, MS, Ph.D

Research Associate Professor in Molecular Microbiology
College of Veterinary Medicine
North Carolina State University

Meets Tuesdays, 5:30 – 7:30 p.m. at the North Carolina Biotechnology Center
15 T.W. Alexander Drive Research Triangle Park, NC 27709

Directions: www.ncbiotech.org/directions

For more information on the course option, suggestions, or ideas contact NC OHC: nconehealth@gmail.com

For Speaker Cancellation notices and additional background on One Health and the NC OHC:

<http://nconehealthcollaborative.weebly.com/index.htm>

<http://onehealtheducation.blogspot.com/>

Facebook: search 'North Carolina One Health Collaborative' or go to

<http://www.facebook.com/pages/North-Carolina-One-Health-Collaborative/300163350109335?ref=stream>

Twitter: @NC_OneHealth





Ricardo G Maggi, MS, Ph.D

Education

Ph.D., University of Puerto Rico – Mayaguez, PR, 2000

MS, University of Puerto Rico – Mayaguez, PR, 1993

Licentiate in Chemistry – Universidad Nacional de Cordoba –Cordoba, Argentina, 1988

Professional Experience & Qualifications

Co-Director Vector-Borne Diseases Diagnostic Laboratory

Molecular microbiologist with more than 10 years of experience in the characterization of intracellular and vector-borne pathogens

Golden Key National Honor Society Award for Outstanding Scholastic Achievement and Excellence- Honor Member 1998

Published more than 87 peer-reviewed manuscripts including scientific and clinical-case reports

Research Area

Molecular microbiology of vector borne diseases and intracellular pathogens in animals and humans.

Development of molecular assays for the detection, diagnosis, and characterization of emerging and re-emerging zoonotic pathogens.

Abstract:

Hemotropic *Mycoplasma* spp. (hemoplasmas) are obligate epierythrocytic bacteria that infect numerous animal species, including human being. Hemotropic *Mycoplasma* infection is often chronic and sub-clinical; however, in some cases it is associated with hemolytic anemia of variable severity, ranging from non-clinical hemolysis to severe anemia, particularly when the individual is stressed or immunosuppressed. The work presented here bring some insights into different *Mycoplasma* species recently discovered and characterized by our research group, the description of known and new reservoir hosts for these species, and the zoonotic potential of this group of bacteria.

Suggested Readings:

Maggi, Ricardo G., et al. "Co-infection with *Anaplasma platys*, *Bartonella henselae* and *Candidatus Mycoplasma haematoparvum* in a veterinarian." *Parasites & vectors* 6.1 (2013): 103.

Maggi, Ricardo G., et al. "Infection with Hemotropic *Mycoplasma* Species in Patients with or without Extensive Arthropod or Animal Contact." *Journal of clinical microbiology* 51.10 (2013): 3237-3241.

Maggi, Ricardo G., et al. "'*Candidatus Mycoplasma haemomacaque*' and *Bartonella quintana* Bacteremia in *Cynomolgus* Monkeys." *Journal of clinical microbiology* 51.5 (2013): 1408-1411.
