

THURSDAY ■ JULY 25, 2019

3:00-6:00 pm
Worcester State University

ARRIVALS & REGISTRATION — LOBBY SHEEHAN HALL

NVSS Participants

6:30- 9:00 pm
DINING HALL
SHEEHAN HALL

Boehringer Ingelheim Welcoming Reception

Introduction by **Roberto Alva, DVM, MS, PhD**

Senior Director, Clinical Research & Development & Executive Director,
Boehringer Ingelheim Veterinary Scholars Program

Remarks by **Tim Bettington**

Head, Boehringer Ingelheim U.S. Animal Health Commercial Operations

FRIDAY ■ JULY 26, 2019

<p>7:00-8:00 am DINING HALL</p>	<p>BREAKFAST All students mount posters in WELLNESS CENTER</p>
<p>8:00- 8:30 am SULLIVAN AUDITORIUM</p>	<p><i>Welcoming Remarks</i></p> <p>Alastair E. Cribb, DVM, PhD, DACVCP Dean, Cummings School of Veterinary Medicine Tufts University</p> <p>John de Jong, DVM President, American Veterinary Medical Association Trustee, Tufts University</p> <p>Andrew T. Maccabe, DVM, MPH, JD Chief Executive Officer, Association of American Veterinary Medical Colleges</p> <p>Everett Hoekstra President, Boehringer Ingelheim U.S. Animal Health</p>
<p>8:30-9:25 am SULLIVAN AUDITORIUM</p>	<p><i>Keynote Address</i> Impact of Research Collaborations between DVMs and MDs</p> <p>Terence R. Flotte, MD Dean of the School of Medicine, Provost and Executive Deputy Chancellor, University of Massachusetts Medical School</p>
<p>9:30-11:00 am WELLNESS CENTER BASKETBALL COURT</p>	<p>POSTER SESSION A (#1-300) 9:30-10:15 am: Presenters for even-numbered posters 10:15-11:00 am: Presenters for odd-numbered posters</p>

FRIDAY ■ **JULY 26, 2019** *continued*

11:15-11:55 am
SULLIVAN AUDITORIUM

BOEHRINGER INGELHEIM RESEARCH AWARDS

Boehringer Ingelheim Veterinary Research Scholar Award
Presented by: Monica Figueiredo, DVM, PhD (Boehringer Ingelheim)
Dr. Amy Stieler Steward

Boehringer Ingelheim Research Award for Graduate Veterinarians
Presented by: Akihiko Kusanagi, DVM, PhD (Boehringer Ingelheim)
Dr. Mariel Covo

12:00-12:55 pm
CAFETERIA,
WELLNESS CENTER

LUNCH

1:00-2:55 pm
SULLIVAN AUDITORIUM

Frontiers in Veterinary Research:

AVMA/AVMF EARLY STAGE INVESTIGATORS AWARD FINALISTS

Heather Gardner, DVM, DACVIM (Oncology)
(Tufts University)

Elaine Norton, DVM, DACVIM
(University of Minnesota)

Mariano Carossino, DVM, PhD
(Louisiana State University)

Sian Durward-Akhurst, DV
(University of Minnesota)

Breanna Sheahan, DVM
(North Carolina State University)

Moderator: John R. Middleton, DVM, PhD, DACVIM
Chair of AVMA Council on Research
Professor, Veterinary Medicine & Surgery
Assistant Director, Agricultural Experiment Station
University of Missouri College of Veterinary Medicine

3:00-4:30 am
WELLNESS CENTER

POSTER SESSION B (#300-500)

3:00-3:45 pm: Presenters for even-numbered posters

3:45-4:30 pm: Presenters for odd-numbered posters

FRIDAY ■ JULY 26, 2019 *continued*

4:45–6:00 pm

BREAKOUT SESSIONS

SESSION A: PATHWAYS TO RESEARCH CAREER DEVELOPMENT I

Sullivan Auditorium, Sullivan Academic Center • **Moderator: Dr. Adreani**

Christine Adreani DVM, PhD, DACVS (Sanofi)

Veterinary careers in the pharmaceutical industry

Joshua Powe, BVSc, MVS, PhD (Agios)

From cattle yards to clinical trials: The potential of a veterinary education

SESSION B: CRITICAL CARE

Eager Auditorium, Sullivan Academic Center • **Moderator: Dr. Rozanski**

Elizabeth Rozanski, DVM, DACVIM, DACVECC (Cummings School)

Clinical research in the trenches

Daniel Fletcher, PhD, DVM, DACVECC (Cornell University)

Making simulation work to improve outcomes

Kelly Hall, DVM, MS, DACVECC (Minnesota University)

Tails about making a difference for one or 20,000 dogs

SESSION C: A ONE HEALTH APPROACH TO ANTIMICROBIAL RESISTANCE

Blue Lounge, Campus Center • **Moderator: Dr. Wayne**

Annie Wayne, DVM, MPH, DACVECC (Cummings School)

Antimicrobial stewardship in dogs and cats

Shira Doron, MD (Tufts Medical School)

Antimicrobial stewardship in human health

Diafuka Saila-Ngita, MVD, MSc, PhD (Cummings School)

An innovative approach to community level antimicrobial resistance surveillance based on veterinary and nursing vocational schools

SESSION D: SILK-BASED BIOMATERIALS IN REGENERATIVE MEDICINE

Ghosh Auditorium, Ghosh Science Center • **Moderator: Dr. Kudej**

Raymond Kudej, DVM, PhD, DACVS (Cummings School)

Animal models for cardiac pathology: Silk-based biomaterials for Tetralogy of Fallot

Vincent Fitzpatrick, PhD (Tufts University)

Silk-based biomaterials for orthopedics

Elizabeth Porter, MD (Sackler School of Graduate Biomedical Sciences, Tufts University)

Engineered cardiac extracellular matrix-silk patches for the repair of Tetralogy of Fallot

RECEPTION AND DINNER (CUMMINGS SCHOOL CAMPUS)

Buses will pick up in front of WELLNESS CENTER beginning at **6:00 pm**

SATURDAY • JULY 27, 2019

7:30–8:15 am CAFETERIA, WELLNESS CENTER	BREAKFAST
8:15–8:30 am SULLIVAN AUDITORIUM	ANNOUNCEMENTS
8:30–9:25 am	PLENARY ADDRESS Vaccines & immunotherapeutics: Experiences & opportunities in animal health Tim Leard, DVM, PhD Head, Immunotherapeutics R&D and Global Project Leader, Biologicals Boehringer-Ingelheim Animal Health
9:30–11:00 am WELLNESS CENTER	POSTER SESSION CALL <i>9:30–10:15 am:</i> Presenters for even-numbered posters <i>10:15–11:00 am:</i> Presenters for odd-numbered posters STUDENTS TAKE DOWN POSTERS
11:15 am–12:10 pm SULLIVAN AUDITORIUM	PLENARY ADDRESS How re-engineered antibodies from camelids may be the antibody therapeutics of the future Charles Shoemaker, PhD Professor, Department of Infectious Diseases and Global Health Cummings School of Veterinary Medicine at Tufts University
12:15–1:10 pm CAFETERIA, WELLNESS CENTER	LUNCH
12:15–1:10 pm SHEEHAN MULTI-PURPOSE ROOM, SHEEHAN HALL	BIVSP DIRECTORS MEETING: Roberto Alva (Boehringer Ingelheim)

SATURDAY ■ JULY 27, 2019 *continued*

1:15–2:55 pm
SULLIVAN AUDITORIUM

AVMA EXCELLENCE IN RESEARCH AWARDS

AVMA CAREER ACHIEVEMENT AWARD IN CANINE RESEARCH

Operationalizing comparative oncology

Rodney Page, MS, DVM, DACVIM

Professor and Director, Flint Animal Cancer Center
Stephen Withrow Presidential Chair in Oncology
Colorado State University

AVMA CLINICAL RESEARCH AWARD

Perspectives on a career in clinical research

Noah D. Cohen, VMD, MPH, PhD, DACVIM

Professor and Director, Equine Infectious Disease Laboratory
Associate Department Head for Research and Graduate Studies
College of Veterinary Medicine & Biomedical Sciences, Texas A&M University

AVMF/WINN FELINE FOUNDATION RESEARCH AWARD

Feline clinical pharmacology: Making every pill count

Jessica M. Quimby, DVM, PhD, DACVIM

Associate Professor, Small Animal Internal Medicine
Veterinary Medical Center, The Ohio State University

AVMA LIFETIME EXCELLENCE IN RESEARCH AWARD

A clinician-scientist's career in equine orthopaedic research and translation beyond the horse

C. Wayne McIlwraith, BVSc, PhD, DSc, FRCVS, Diplomate ACVS, Diplomate ACVSMR

University Distinguished Professor
Barbara Cox Anthony University Chair in Orthopaedics
Director of Musculoskeletal Research Program
Colorado State University

Moderator: John R. Middleton, DVM, PhD, DACVIM

Chair of AVMA Council on Research
Professor, Veterinary Medicine & Surgery
Assistant Director, Agricultural Experiment Station
University of Missouri College of Veterinary Medicine

SATURDAY ■ JULY 27, 2019 *continued*

4:45–6:00 pm	BREAKOUT SESSIONS
	<p>SESSION E: PATHWAYS TO RESEARCH CAREER DEVELOPMENT II <i>Blue Lounge, Campus Center</i> • Moderator: Dr. Fellman</p> <p>Claire Fellman, DVM, PhD, DACVIM, DACVCP (Cummings School) Clinical research: Recognizing and answering questions from the clinic floor</p> <p>Vicky Yang, DVM, DACVIM, (Cardiology) (Cummings School) The pet dog as a translational model for cardiovascular diseases</p> <hr/> <p>SESSION F: UNDERSTANDING CANCER BIOLOGY <i>Eager Auditorium, Sullivan Center</i> • Moderator: Dr. London</p> <p>Cheryl London, DVM, PhD, DACVIM, (Oncology) (Cummings School) Of dogs, mice and men: Leveraging spontaneous canine cancer to improve translational outcomes</p> <p>Elinor Karlsson, PhD (University of Massachusetts Medical School and the Broad Institute of MIT and Harvard) Investigating the genetics of behavior and health with thousands of pet dogs</p> <p>Heather Gardner, DVM, PhD, (Oncology) (Cummings School) The genomic landscape of canine osteosarcoma</p> <hr/> <p>SESSION G: INFECTIOUS DISEASE AT THE ANIMAL-HUMAN INTERFACE <i>Ghosh Auditorium, Ghosh Science Center</i> • Moderator: Dr. Runstadler</p> <p>Jonathan Runstadler, DVM, PhD (Cummings School) Puzzling out the pieces in the influenza jigsaw puzzle</p> <p>Jeremy Luban, MD (University of Massachusetts Medical School) Learning about ourselves by studying retroviruses</p> <p>Amanda J. Martinot, DVM, MPH, PhD, DACVP (Tufts University) Challenges of TB vaccine development: When immunity fails — can we fix it?</p>
6:30–9:00 pm GHOSH LAWN AND WELLNESS CENTER	RECEPTION ON LAWN FOLLOWED BY CLOSING BANQUET ANNOUNCEMENT OF AVMA/AVMF YOUNG INVESTIGATOR AWARD

SUNDAY ■ JULY 28, 2019

DEPARTURES