



WORLD VETERINARY ORTHOPAEDIC CONGRESS

# 6th World Veterinary Orthopaedic Congress

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organized jointly by



Veterinary  
Orthopedic  
Society



EUROPEAN SOCIETY OF VETERINARY  
ORTHOPAEDICS AND TRAUMATOLOGY

FEBRUARY 5-12, 2022 • SNOWMASS, COLORADO

# A MESSAGE FROM THE VOS PRESIDENT

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Welcome; Bienvenido; Bienvenue; Willkommen; Benvenuto; Bem-vinda; ברוך הבא; ようこそ; 환영; स्वागत हे!

I would like to take this moment to extend everyone a most personal invitation and welcome you to the 6th World Veterinary Orthopedic Congress (WVOC), organized jointly by the Veterinary Orthopedic Society (VOS) and the European Society of Veterinary Orthopedics and Traumatology (ESVOT) in conjunction with the World Congress Organizing Committee, chaired by Kurt Schulz and Laura Peycke.

After enduring a global pandemic which kept us apart in 2021, I am beyond excited to welcome everyone back for an unforgettable **face to face** (Yay!) world congress. The WVOC will be held in one of our favorite venues: Snowmass, Colorado, from February 5-12, 2022. Similar as the last time we hosted the WVOC in 2014, it will run all week long in conjunction with our 49th Annual VOS Conference. We are taking all precautions to ensure the safest possible environment for all so we can learn, reconnect, socialize and along the way meet new friends in the best VOS spirit. It is wonderful to think that what will be for most of us our first in-person CE event, it is the one meeting that we have once every 4 years which is meant to unite our veterinary orthopedic global community. **So, bring it on!**

As you will see as you peruse our program, for the WVOC we will be offering several laboratory options and several concurrent lecture streams, mixing abstracts with our internationally renowned invited speakers. However, this year and to celebrate our global community, in addition to our state-of-the-art lectures in small animal orthopedics, equine orthopedics, regenerative medicine, sports medicine and rehabilitation, complications, surgical planning to mention a few, we are adding other topics to our conference such as economics, diversity, ethics and global perspective on veterinary orthopedics, all which should spark a good level of discussion and new knowledge. Also, and always a highlight of the VOS meeting, The Bloomberg Resident Research Award Session, will feature some of our best up and coming stars in the field of veterinary orthopedics. This year once again in addition to the Bloomberg session and to foster our global spirit, the WVOC will host the Surgeons-in-Training Award session which will feature students, interns, and residents from around the world presenting their research and competing for top presentation honors.

In addition to our lectures and laboratories, we will have our traditional ski and snowboard race, featuring an Olympic theme. Make sure that you get your teams together and cheer on the world as racers compete for the Acetabular Cup! Following the race, we will have our traditional mountain picnic. One of the amazing aspects of being back at Snowmass beside the incredible snow and diverse terrain, are the other options that exist if you want to take time away from the slopes. The renowned town of Aspen, with its restaurants, galleries, bars, and nightlife are only a short free bus ride away. So really there is no excuse not to come to the WVOC in 2022!!! We look forward to seeing you at Snowmass, Colorado February 5-12, 2022, for the 6th Annual World Veterinary Orthopedic Congress/VOS meeting. Please feel free to go to our website ([www.vosdvm.org](http://www.vosdvm.org)) for the latest updates, registration, and reservations. You can also contact me ([jose.garcia-lopez@tufts.edu](mailto:jose.garcia-lopez@tufts.edu)), or Heidi DeCamp ([secretary@vosdvm.org](mailto:secretary@vosdvm.org)) with any questions, suggestions or comments.



**José M. García-López, VMD, DACVS, DACVSMR**  
President, Veterinary Orthopedic Society  
Associate Professor of Large Animal Surgery  
Director of Equine Sports Medicine  
Tufts University Cummings School of Veterinary Medicine

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# ABOUT THE VOS & THE WVOC

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The Veterinary Orthopedic Society was established for the purpose of bringing together people engaged in the practice, teaching, or research of orthopedics. In 1974, the inaugural Veterinary Orthopedic Society Conference gave these like minded individuals an opportunity to present and discuss items of common interest, with the hope that their exchange of ideas would further scientific investigation and advance the standard of care of veterinary orthopedics. As we approach our 49th annual conference, our goal is still the same - to give like minded people an opportunity to exchange ideas to further the specialty of orthopedics in order to provide better patient care.

The Veterinary Orthopedic Society is thrilled to welcome our international colleagues to beautiful Snowmass Village, Colorado, USA for the **6th World Veterinary Orthopaedic Congress!** The WVOC is being held in conjunction with the 49th Annual VOS Conference. The WVOC has a rich history founded in a spirit of collaboration. Professor Geoff Sumner-Smith, the patron and Founding Editor-in-Chief of the Journal of Veterinary Comparative Orthopaedics and Traumatology, was the first to bring the idea of a World Orthopaedic Congress to two veterinary orthopaedic societies - the European Society of Veterinary Orthopaedics and Traumatology (ESVOT) and the Veterinary Orthopedic Society (VOS). The Boards of Directors of ESVOT and VOS enthusiastically adopted his concept and formed the first World Veterinary Orthopaedic Congress planning committee. To promote international collaboration, ESVOT and VOS agreed to host the event every four years on alternating continents, with the inaugural WVOC being held in Munich, Germany in 2002. The VOS previously hosted the WVOC in 2006 and 2014 with an average attendance of 435. The exchange of knowledge between experts from different continents and the camaraderie between attendees from all over the globe is unmatched anywhere in veterinary medicine.

The 6th WVOC will simultaneously continue the traditions of the VOS and WVOC while introducing new topics and formats that reflect the significant changes our profession and world have gone through in the last several years. The WVOC will highlight the highest quality of outstanding abstract presentations you have come to expect, including the most recent investigations and innovations in small animal and equine orthopedic diagnostics and surgery. Beyond that we have elected to expand the topics of invited lectures to reflect two specific areas: the significant business, social, environmental, and medical changes in our industry, and an increasing awareness of the state of veterinary surgery and orthopedics throughout the world. Our invited lecture and panel series includes topics ranging from the effects of business consolidation, media exposure, and an expanding product industry to the benefits of diversity and environmental consciousness. **This years Jacques Jenny lecturer is Farshid Guilak, PhD, Professor of Orthopaedic Surgery at Washington University; Director of Research for the St. Louis Shriners Hospitals for Children; and Co-director of the Washington University Center of Regenerative Medicine.** In addition to abstracts, speakers and panels, we have an outstanding selection of laboratories as our industry colleagues are eager to work with you on their latest technology for orthopedic surgery. We are sincerely looking forward to seeing all of you in person again and sharing our ideas and aspirations regarding the science, business and society of veterinary orthopedics.





# SNOWMASS & WVOC SOCIAL PROGRAM

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Snowmass, Colorado offers world class downhill skiing and riding, Nordic skiing, snowmobiling, snowshoe tours, dog sledding, fly fishing, and more. Your single lift ticket gives you access to 5,527 acres of terrain across four unique mountains, connected via convenient free shuttle service. Come explore them all!

**Aspen Mountain:** Rising from the vibrant heart of downtown Aspen, Aspen Mountain boast skiing and riding that go above and beyond.

**Aspen Highlands:** Adored by locals, bowl hikers, and Cloud Nine revelers alike, Aspen Highlands is a mountain born different.

**Tiehack:** Miles of groomers, beginner trails, or terrain parks for the pros--sure to please the entire family.

**Snowmass Mountain:** Directly outside our host hotel, Viewline, and larger than the other three other mountains combined, Snowmass offers burly steeps, inviting glades, and endless bumps, jumps, and groomers. You'll be challenged to ski it all in a week. Prefer Nordic skiing? The Aspen Snowmass Nordic Trail System boasts more than 60 miles of free cross-country ski and snowshoe trails that connect the communities of Aspen, Snowmass, and Basalt. Trails are varied in terrain for beginners to experts. Beautiful vistas, great exercise, and outdoor fun for the whole family.

Want more? How about riding Snowmass's *Breathtaker* Alpine Coaster? Snow Tubing? Guided naturalist tours? Snowcat dinners?

Take part in the WVOC International Downhill Olympic Ski and Snowboard Races and On-Mountain Picnic. Back inside, the WVOC social program will feature a Welcome Reception, Exhibitors' Showcase, Foundation Night with an all-new comedy feature, and the festive WVOC Gala Evening.

The exchange of knowledge between experts from different continents and the camaraderie between attendees from all over the globe is unmatched anywhere in veterinary medicine. We hope you will join us in Snowmass, CO February 5-12, 2022, and become a part of the synergy, friendship, and rich collaborative tradition that defines the WVOC.

## Farshid Guilak, PhD

Washington University in St. Louis, St. Louis, MO, USA

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Dr. Farshid Guilak is a Professor of Orthopaedic Surgery at Washington University, Director of Research for the St. Louis Shriners Hospitals for Children, and co-director of the Washington University Center of Regenerative Medicine. His laboratory is pursuing a multidisciplinary approach for developing new tissue engineering and stem cell-based therapies for musculoskeletal diseases, focusing on primarily on post-traumatic osteoarthritis, obesity-induced osteoarthritis, and rheumatoid arthritis. He has published over 360 articles in peer-reviewed journals and has co-edited four books. He is the Editor-In-Chief of the *Journal of Biomechanics*, Associate Editor for *Osteoarthritis & Cartilage*, and serves on numerous other journal editorial boards. He has won several national and international awards for his research as well as four awards for mentoring. He has also worked extensively in the translation of tissue engineering technologies, and he is the Founder of Cytex Therapeutics, a startup company focusing on developing new regenerative medicine therapies for musculoskeletal conditions.

# INVITED SPEAKERS



## **Courtney Campbell, DVM, DACVS**

*VetSurg, Ventura, CA, USA*

Dr. Campbell was raised in the quaint and sylvan upbringing of Burlington, Connecticut and his love for animals borne out from the countless hours playing in the woods of New England. Dr. Courtney A.

Campbell is a board certified small animal surgeon who specializes in orthopedic, soft tissue, and minimally invasive surgery. He currently practices at VetSurg in Ventura, California. He has been active in veterinary media for the past 11 years and he is an author and host of two popular podcasts, Anything Pawsible and The Dr. Courtney Show. He is a producer and content creator for VetCandy and he had the honor of co hosting Pet Talk, a first of its kind talk show on Nat Geo Wild. He is now a recurring veterinary correspondent and pet health expert on daytime talk shows including WebMD, The Rachael Ray Show, CBS The Doctors, Home and Family, KTLA and other daytime talk shows. He was recently awarded the Excellence in Journalism and Outstanding Contributions to the Pet Industry Award at the Global Pet Expo. He is also a member of four organizations that are committed to creating a more pluralistic and inclusive veterinary profession.

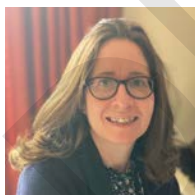


## **Brian Cassell, DVM**

*Cassell Consulting, Bozeman, MT, USA*

Brian Cassell has decades of diverse entrepreneurial experience in the veterinary profession and animal health industry, including clinical practice, practice ownership and sale,

organizational strategic planning and management consulting, pharmaceutical start up and executive and board leadership. He leads Cassell Consulting, a strategic advisory firm for animal health organizations. He's a co-founder of the Veterinary Angel Network for Entrepreneurs (VANE), the first ever animal health-focused angel investing network. Brian recently served as Chief Strategy Officer for Ethos Veterinary Health and co-founded and led an emergency veterinary practice, a management consulting firm and a specialty practice collaborative, in addition to work at Zoetis and serving as a board member of Animalgesic Laboratories. He graduated from the Ohio State University College of Veterinary Medicine after receiving his undergraduate degree from Miami University. He and his wife Dr. Linda Fineman are located in Bozeman, Montana where they spend their free time hiking, biking and birdwatching.



## **Eithne Comerford, MVB, DECVS, FRCVS**

*University of Liverpool, Liverpool, UK*

Eithne Comerford graduated from the Faculty of Veterinary Medicine, UCD, Ireland in 1995. From

1995-2006, Eithne worked at the University of Bristol, where she was awarded her PhD on the pathogenesis of cranial cruciate ligament disease. Since 2006, Eithne has worked at the University of Liverpool, becoming Professor of Small Animal Surgery in 2014. Her main clinical interests include minimally invasive joint surgery and cranial cruciate ligament disease (CCLD). Her research interests include small animal joint replacement registries and structural changes in human and canine cruciate ligaments with ageing and disease. Otherwise, she keeps herself busy with eleven-year-old twins, learning the front crawl and the piano and singing in a band.

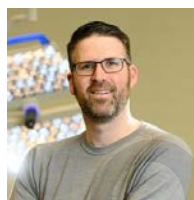


## **Mike Conzemius, DVM, PhD, DACVS**

*University of Minnesota, St. Paul, MN, USA*

Dr. Conzemius received his DVM and PhD in Biomedical Engineering from Iowa State University. He completed his surgical residency at the University of Pennsylvania. He has served as a

faculty member at the University of Pennsylvania and Iowa State University and is currently an Endowed Professor of Surgery at the University of Minnesota.



## **Jeremiah Easley, DVM, DACVS**

*Colorado State University, Fort Collins, CO, USA*

Dr. Jeremiah Easley is a Diplomate of the College of Veterinary Surgeons (ACVS). He graduated from the VA-MD Regional College of Veterinary Medicine and then went on to complete an internship at the

Equine Medical Center of Ocala and residency at the University of Florida, College of Veterinary Medicine. He is currently an Associate Professor in the Department of Clinical Sciences at Colorado State University where he directs the Preclinical Surgical Research Laboratory, which specializes in translational research and medical device development and testing.



## **Nicole Ehrhart, VMD, MS, DACVS**

*Colorado State University, Fort Collins, CO, USA*

Dr. Ehrhart is the Director of the Columbine Health System Center for Healthy Aging at CSU and a Full Professor in the Department of Clinical Sciences. She holds the Ross M Wilkins MD Limb Preservation

Foundation University Chair in Musculoskeletal Biology and Oncology at CSU and is the Director of the Laboratory of Comparative Musculoskeletal Oncology and Traumatology. Dr. Ehrhart is a veterinary surgeon and one of CSU's foremost experts in translational research. Her focus is in comparative medicine and she has been actively involved in tissue regeneration research, mesenchymal stem cell biology, and sarcoma research for the last twenty years. She has been a keynote speaker at various venues for translational research, both nationally and internationally. She holds joint faculty positions in the School of Biomedical Engineering, the Cell and Molecular Biology program, the Gates Regenerative Medicine Center at the University of Colorado and The University of Colorado Cancer Center. Most recently she has been investigating regenerative strategies for sarcopenia related to aging and disuse and the canine as a comparative animal model for age-related diseases.



## **Ross Elliott, BVSc, MMedVet (Surgery) (Small Animal)**

*University of Pretoria, Onderstepoort, Faculty of Veterinary Science, Hatfield, Pretoria, SA*

Dr. Ross Elliott qualified from Onderstepoort in 2005. He worked in private practice at the Bryanston Veterinary Hospital where he earned his MMedvet in surgery in 2011 under Drs Bruce and Greg Irvine-Smith. He continued to work and do research in private practice until 2020, when he returned to Onderstepoort to take up the

# INVITED SPEAKERS

position of senior lecturer and start a residency for the European college of veterinary surgeons under Dr Adriaan Kitshoff. His current interests are thoraco-lumbar disc disease in dogs relating to primary and secondary spinal injury, joint replacement and arthroscopy.



## **Mike Farrell, BVetMed, CertVA, CertSAS, DECVS, MRCVS**

*vetlessons.com, UK*

Mike graduated from the Royal Veterinary College (London) in 1997 and completed internships at Bristol and Edinburgh Universities. He has worked in the UK and Australia as a general practitioner and in the USA and Switzerland as a veterinary anaesthetist. Mike completed a residency at Glasgow University in 2006 and gained his European Diploma in Small Animal Surgery in 2007. As well as being a passionate orthopaedic clinician, Mike is also the creator of [www.vetlessons.com](http://www.vetlessons.com), a website offering free access to unbiased and evidence-based veterinary orthopaedic decision aids and surgical aftercare guides.



## **Linda Fineman, DVM, DACVIM (Oncology)**

*American College of Veterinary Internal Medicine, Bozeman, MT, USA*

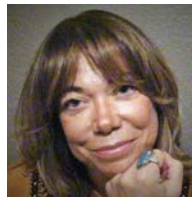
Linda is the Chief Executive Officer for the American College of Veterinary Internal Medicine. She has nearly 30 years of experience in the veterinary profession, including a lengthy clinical oncology career and practice ownership of a 4-location multispecialty practice in the Bay Area of California. After leaving private practice, she transitioned into full-time leadership and management roles, with time spent as a Medical Director for a 45-doctor practice in Denver and working as Vice President of Learning and Development at Ethos Veterinary Health. She is Adjunct Faculty at Washington State University, where she facilitates small group clinical reasoning exercises with sophomore veterinary students. Linda is a graduate of Washington State University, College of Veterinary Medicine. She completed an internship at Kansas State University, and a residency in Medical Oncology at Purdue University. She and her husband, Dr. Brian Cassell, enjoy their outdoors lifestyle of hiking, cross-country skiing and birdwatching in their slice of paradise in Bozeman, Montana.



## **Owen Fink, DVM, DACVS**

*Skylos Sports Medicine, Maryland, USA*

Accused of being a "hobby thief" by his siblings, Dr. Fink dabbles in fine art, woodworking, digital design and 3D printing. Also, dad jokes. When not engaged in general tinkering, Dr. Fink can be found practicing small animal orthopedic surgery at Skylos Sports Medicine in Maryland.



## **Sasha A. Foster, MSPT, CCRT**

*Colorado State University, Fort Collins, CO, USA*

Sasha A. Foster, MSPT, CCRT, is the Rehabilitation Coordinator at Colorado State University Veterinary Teaching Hospital. Her mission, in alignment with the one-health model, is to provide evidence-based rehabilitation to small animals by translating human research into the canine model in the absence of small animal information. In addition to her role at CSUVTH, she is faculty for Canine Rehab Institute and founder of the home exercise software program Canine Home Exercises. She has written more than a dozen books on canine physical therapy and fitness including the award-winning books *The Healthy Way to Stretch Your Dog* and *Canine Cross Training*. She is a contributing author to the textbooks *Canine Lameness* (Wiley 2020) and *Canine Sports Medicine and Rehabilitation*, 2nd Edition (Wiley, 2018). And in 2013 she was awarded the first United States patent in canine rehabilitation for "Joint Stabilized Straight Plane Movement Stretching." She can be reached at [sasha.foster@colostate.edu](mailto:sasha.foster@colostate.edu).



## **Janik C. Gasiorowski, VMD, DACVS**

*Mid-Atlantic Equine Medical Center, Ringoes, NJ, USA*

Dr. Gasiorowski graduated cum laude from the University of Pennsylvania School of Veterinary Medicine in 2007. Following graduation he completed an internship at Rood & Riddle Equine Hospital, followed by a 3 year surgical residency at the University of Pennsylvania's New Bolton Center. Dr. Gasiorowski was hired into the New Bolton Center section of surgery where he was on staff until coming to Mid-Atlantic Equine Medical Center in 2013. During his tenure there he received teaching awards and the prestigious Charles W. Raker surgery award. He was awarded diplomat status by the American College of Veterinary Surgeons (ACVS) in 2012. Dr. Gasiorowski's clinical interests include orthopedic and upper respiratory surgery, lameness diagnosis and nuclear scintigraphy. He is an active faculty member of the AOVET orthopedic society. More recently, he has been focusing on the development of surgical techniques in the standing (not anesthetized) horse. His research interests include regenerative medicine (stem cell therapy) and orthopedics and he has presented on topics including current applications of locking compression plates, computed tomography (CT scan) assisted fracture fixation and orthopedic implant removal. He is published in peer-reviewed journals and has written text book chapters on a variety of topics. On a more personal note, he has a growing interest in the transitioning of thoroughbred racehorses to second careers. Dr. Janik Gasiorowski paired academics with athletics throughout his undergraduate education. He began as a biology major and member of the crew team at Duke University. In 2000 he transferred to the University of California, Berkeley to pursue Division I rowing and was a recipient of the PAC-10 Division I Athletes All-Academic scholarship. These days he still enjoys rowing, skiing, and the outdoors and spends all of his free time with his wife Brooke, sons Calvin and Gabriel, and daughter Blake.

# INVITED SPEAKERS



## **Laurie Goodrich, DVM, PhD, DACVS**

*Colorado State University, Fort Collins, CO, USA*

Dr. Laurie Goodrich is the Director of the Orthopaedic Research Center at Colorado State University's C. Wayne McIlwraith Translational Medicine Institute and an equine surgeon

specializing in orthopedic surgery and lameness with a focus on musculoskeletal injuries and trauma. She holds the Barbara Cox Anthony University Chair in Orthopaedics and is an American College of Veterinary Surgeons (ACVS) Founding Fellow in Minimally Invasive Surgery, Large Animal Orthopedics. She received her DVM from the University of Illinois, completed an internship at Virginia Maryland Regional College of Veterinary Medicine and an equine surgical residency at the Marion DuPont Scott Equine Medical Center in Northern Virginia. During that time, she also completed a Master of Science in Pharmacology at Virginia Maryland Regional College of Veterinary Medicine. She was faculty at Cornell University as an Equine Surgeon in 1996 and also completed a PhD in cartilage repair in 2005 while at Cornell. She then began at CSU in 2005 as an Assistant Professor of Equine Surgery and is currently a Professor of Surgery and a principal investigator in the Orthopaedic Research Center. She is a translational scientist whose research focuses on regenerative medicine, gene therapies and biologics to improve joint and bone repair in both animals and people. She is an active faculty member for AOVET, on the Board of Directors for North American Veterinary Regenerative Medicine Association, the immediate past Chair of the Preclinical Models Section of the Orthopedic Research Society and a past Chair of the Board of Regents for the American College of Veterinary Surgeons. In her spare time she is an avid backcountry skier, mountain biker and whitewater kayaker.



## **Justin Harper, DVM, MS, DACVS-LA**

*Texas Specialty Veterinary Services / SURGE, San Antonio, TX, USA*

Justin is an advocated leader who seeks to create change and provide solutions to the status quo in veterinary medicine and the services offered in our industry. His professional and personal accolades include collaborator, co-founder, veterinary specialty practice and general practice business owner, real estate investor, proud father and husband. He is the co-founder of a group of mobile veterinary surgeons (SURGE<sup>dvm.com</sup>) which aggregates as a group to educate, grow, support and solve the challenges of providing advanced or specialty veterinary surgical procedures to veterinary practices throughout the United States and Canada. As the founder and owner of Texas Specialty Veterinary Services, PLLC, TSVS has served the South Central Texas, San Antonio, and Texas Hill Country regions for the past 10 years providing world-class surgical solutions. TSVS has expanded its services to the Rio Grande Valley in south Texas with the formation of Texas Specialty Veterinary Services- Rio Grande Valley. Opportunities are endless in our profession and the world is our oyster. Let's get to work.



## **Kei Hayashi, DVM, PhD, DACVS**

*Cornell University, Ithaca, NY, USA*

Kei Hayashi graduated from the University of Tokyo with BVMS/DVM/PhD degrees, and then obtained MS and PhD degrees at the University of Wisconsin (1997). He completed a small animal surgery residency at the University of Wisconsin (2003) and became a Diplomate of the American College of Veterinary Surgeons (ACVS). He served as an assistant professor of small animal orthopedic surgery at the Michigan State University (2003-2005), and then moved to UC Davis where he was tenured with accelerated promotion in 2012. He began his appointment at Cornell University in 2013 and was promoted to a full professor in 2020. As a professor, he is particularly interested in training the next generation of veterinarians. His clinical interests are in fracture treatment, arthroscopy, total joint arthroplasty, and application of novel research discoveries to clinical patients. His research focus is on ligament/tendon healing biology, innovation of total joint replacement systems, molecular profiling of osteoarthritis, and comparative orthopedics and sports medicine. When he's not in the operating room or teaching students, Hayashi enjoys walking with his dog.



## **Ian G. Holsworth, BSc, BVSc (Hons), MANZCVSc (Surgery), DACVS**

*VetSurg, Ventura, CA, USA*

Dr. Ian Gordon Holsworth graduated in 1991 from the University of Melbourne and spent 8 years in general practice before becoming an examined Member of the Surgery College of the Australian College of Veterinary Scientists in 1995. Following a position as Staff Surgeon for an eight-practice small animal veterinary group in Melbourne, Dr. Holsworth relocated to Michigan as a Surgery fellow in the Michigan State Veterinary Teaching Hospital. At the conclusion of the Fellowship, Dr. Holsworth commenced a three-year position as a small animal surgical resident at the University of California, Davis Veterinary Teaching Hospital, which he completed in July 2003. Currently, Dr. Holsworth is the practice Director and Senior Surgeon of VetSurg, in Ventura, California. He is also the Curriculum Coordinator and Lead Instructor for Arthrex VetSystem's North American CE program. This CE program includes didactic lectures and instructional labs which are hosted in University Vet Schools, private surgical labs and in combination with national veterinary CE conferences. A dedicated educator, Dr. Holsworth has spent the last fifteen years in a clinical and surgical instructor role, presenting at many national meetings in the United States, Canada, the United Kingdom, Europe and Australia. Topics covered include shoulder, hip, elbow, and stifle disease in dogs with particular focus on advanced imaging, arthroscopic assessment of juvenile orthopedic disease and arthroplasty. Dr. Holsworth has also been the Chair of the ACVS Surgical Summit arthroscopy & joint surgery lab for the past ten years. Most recently, in 2018, Dr. Holsworth was designated by the Board of Regents of the American College of Veterinary Surgeons (ACVS) as an ACVS Founding Fellow in Minimally Invasive Surgery. Joining a select few in the world with this accreditation, Dr. Holsworth was selected for his exemplary training, experience, and practice in the multidisciplinary approach to the prevention, diagnosis, treatment, and rehabilitation of patients undergoing minimally invasive therapies and for his devotion to research in the field of minimally invasive surgery.

# INVITED SPEAKERS



## **John Innes, BVSc, PhD, CdrtVR, DSAS(orth), FRCVS**

*CVS Group plc, Diss, Norfolk, UK*

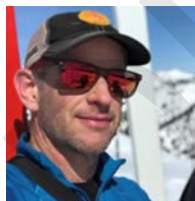
Born and raised in London, Professor John Innes graduated from the University of Liverpool in 1991 after which he moved to the University of Bristol working there for 10 years. During that time he completed his surgery training and received a PhD from the Rheumatology Unit of the Bristol Medical School. He became a RCVS-recognised Specialist in 2001. In 2001, he was appointed Professor of Small Animal Surgery in Liverpool and was Head of Musculoskeletal Biology from 2011-2013. He was visiting professor at University of Sydney in 2010. He joined CVS Group plc in 2013 as Referrals Director and became Chief Veterinary Officer in 2019. As referrals Director he is responsible for overseeing the development of the company's 9 specialist centres. As CVO, John is responsible for clinical excellence and quality improvement across the group and he maintains clinical activity at ChesterGates Veterinary Specialists. John has published over 90 peer-reviewed papers and 14 book chapters in the areas of veterinary and comparative orthopaedics. He has supervised multiple residents and PhD students. In 2016, John was awarded Fellowship of the Royal College of Veterinary Surgeons for 'meritorious contributions to knowledge' and he was elected Chair of the RCVS Fellowship Board in 2019. John lives near Liverpool and is very happy that Liverpool FC ended its 30 year wait to win the English Premier League in 2020!



## **Nina R. Kieves, DVM, DACVS, DACVSMR, CCRT**

*The Ohio State University, Columbus, OH, USA*

Dr. Nina Kieves is an Assistant Professor of Small Animal Orthopedic Surgery at The Ohio State University. She completed her veterinary degree at the University of Minnesota and is a board-certified Diplomate of both the American College of Veterinary Surgeons and American College of Veterinary Sports Medicine & Rehabilitation. Dr. Kieves is actively involved in teaching orthopedic surgery nationally through AOVet and arthroscopy with Arthrex Vet Systems. Her research interests lie in sports medicine and rehabilitation and surgical treatment with minimally invasive techniques.



## **Ryan King, DVM, Diplomate ACVR**

*Tufts University, Medford, MA, USA*

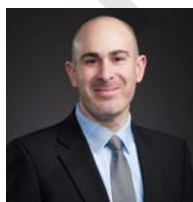
Dr. Ryan King is a veterinary diagnostic imaging specialist who focuses on radiology, ultrasound, CT, and MRI for small animals. He also consults on equine and wildlife cases and works at Tufts VETS, a specialty and emergency veterinary hospital in Walpole, MA. Dr. King received his DVM from the Atlantic Veterinary College at the University of Prince Edward Island in 2002. He continued his education at the Cummings School of Veterinary Medicine at Tufts University, where he completed an internship in medicine from 2002 to 2003, and a residency in diagnostic imaging from 2003 to 2006. Upon completion of his residency, he was inducted as a diplomate into the American College of Veterinary Radiology. He has lectured and guided labs nationally and internationally for over 200 hours on radiography and ultrasound.



## **Daniel D. Lewis, DVM, DACVS**

*University of Florida, Gainesville, FL, USA*

Dan Lewis received his DVM from the University of California, Davis in 1983. He completed an Internship in Small Animal Medicine and Surgery at Louisiana State University in 1984 and a Residency in Small Animal Surgery at the University of Florida in 1987. Dr. Lewis spent a year as the Surgical Registrar at Sydney University before returning to Louisiana State University in 1988 as an Assistant Professor. In 1993, he returned to the University of Florida where he has ascended to his current rank as a Professor of Small Animal Surgery and Eminent Scholar. Dr. Lewis is a Diplomate of the American College of Veterinary Surgeons, a Founding Fellow in Minimal Invasive Orthopedic Surgery, a former President of the Veterinary Orthopedic Society, the recipient of the 2012 World Small Animal Veterinary Association-Hill's Pet Mobility Award and was named a University of Florida Foundation Research Professor in 2016. He has authored or co-authored over 200 peer-reviewed publications. His special interests include musculoskeletal traumatology, minimally invasive fracture management and reconstructive orthopedic surgery with a focus on the utilization of circular and hybrid external skeletal fixation for fracture stabilization, deformity correction and limb salvage procedures.



## **Peter J. Lotsikas, DVM, DACVS, DACVSMR**

*Skylos Sports Medicine, Maryland, USA*

Dr. Peter Lotsikas is board certified by the American College of Veterinary Surgeons and the American College of Veterinary Sports Medicine and Rehabilitation. Dr. Lotsikas cofounded Skylos Sports Medicine, which specializes in sports-related injuries and returning performance and working dogs back to full function. Dr. Lotsikas serves as a veterinary surgical consultant for Arthrex Vet Systems and BioMedtrix. He is a national instructor in arthroscopy and minimally invasive surgery, as well as total hip replacement.



## **Patrice M. Mich, DVM, MS, DABVP, DACVAA, DACVSMR, CCRT**

*The Center for Animal Wellness, Denver, CO, USA*

Dr. Mich is a small animal pain management and mobility specialist. Her career focuses on regaining/maintaining functional independence and performance for canine athletes of all ages and abilities. After graduating from CSU she worked as a general practitioner becoming ABVP board certified. Pursuing an interest in pain management, she completed residency in anesthesiology and 2-year fellowship in integrative pain medicine in 2009. Following an interest in mobility medicine, Dr. Mich certified as a Canine Rehabilitation Therapist in 2011 and a diplomate of the ACVSMR in 2015. Always chasing knowledge, Dr. Mich credits an expanded awareness of the importance of soft tissue pathology to training/working with physical therapists. As a faculty member at the Canine Rehabilitation Institute she teaches veterinarians, physical therapists, and veterinary technicians the art and science of

# INVITED SPEAKERS

rehabilitation. Dr. Mich is a pioneering veterinarian in Veterinary Orthotics and Prosthetics (VOP). She has co-owned a fabrication facility, worked on development of novel solutions (e.g. Achilles mechanism management), and teaches nationally and internationally. Dr Mich owns a mobile to clinic specialty practice in Colorado.



## **Alois F. Müller, BS, DVM, MS**

*University of São Paulo, Pirassununga, Brazil*

Alois Müller earned a Bachelor's degree in Biology in 2009 from the Federal University of São Carlos, and a Doctor of Veterinary Medicine (DVM) from the University of São Paulo in 2014. He subsequently joined the Animal Bioscience graduate program at the University of São Paulo for his Master's degree. While working on his Master's degree, he received a grant from São Paulo Research Foundation (FAPESP) to develop a study at Cornell University, for five months, under the supervision of Prof. Úrsula Krotscheck entitled "Determination of Best Outcome Predictor in Dogs with Multi-limb Lameness using Dual Force Plate Gait Analysis". He is currently a Ph.D. student in the same program focusing on the study of cranial cruciate ligament disease in dogs, and the development of biomaterials and their applications in orthopedic surgery. Dr. Müller is also a founder and co-advisor of the Small Animal Surgery Study Group (GECIPA/FZEA) from the Faculty of Animal Science and Food Engineering (São Paulo/Brazil) which aims to foster the interest of undergrad students in surgery through lectures, workshops, and hands-on training.



## **Bruno Peirone, DVM, PhD**

*University of Turin, Via Giuseppe Verdi, Torino, Italy*

Bruno Peirone is Full Professor of Orthopaedic at the Department of Veterinary Sciences, University of Turin. He has been an Orthopaedic surgeon at the University Veterinary Teaching Hospital for 30 years. Recently Dr. Peirone was appointed as Head of the Clinical Department of the University and Director of the post-graduate School of Small Animal Surgery. He has served in various positions with AO VET over the past 15 years, including as chair of the European Region, and currently as Chair of the Community Development Commission. Dr. Peirone has also been international faculty in many AOVET courses all over the world. He is also involved in ESVOT, with the current position of elected Chairman. Dr. Peirone's main fields of interest are minimally invasive fracture treatment, limb alignment, and total hip replacement.



## **Rachel Pollard, DVM, PhD, DACVR**

*Digital DIVA / Southern Veterinary Imaging, Nelson, New Zealand*

Dr. Pollard attended the University of Washington in Seattle for her undergraduate work and Washington State University for her DVM. She then moved to New York for a 1-year general rotating internship at the Animal Medical Center. Dr. Pollard moved to Davis, CA in 1997 to complete the 4-year residency in Diagnostic Imaging at the University of California, Davis. She then

completed a PhD in Comparative Pathology and began as an Assistant Professor of Diagnostic Imaging at UC Davis in April 2005. She became an associate and then full professor over the course of her career at UC Davis and was voted "favorite teacher" at the UC Davis School of Veterinary Medicine several times during her 15 years of teaching. Dr. Pollard has served as a member of the American College of Veterinary Radiology (ACVR) exam committee and as the ACVR president. Dr. Pollard is now a Professor Emerita having recently retired from UC Davis and is now a radiologist working with Digital DIVA and Southern Veterinary Imaging in Nelson, New Zealand. She has a clinical interest in small animal ultrasound and dynamic imaging techniques such as contrast fluoroscopy for the diagnosis of swallowing disorders. During her free time, Rachel enjoys spending time with her husband Kal, two children (Ty and Hunter) and two (poorly behaved) dogs, Zeus and Venus.



## **Antonio Pozzi, DVM, DACVS, DACVSMR**

*University of Zürich, Zürich, Switzerland*

Antonio Pozzi is the Director of the Clinic of Small Animal Surgery and head of the Small Animal Department at the University of Zurich. He completed an internship and residency at the Ohio State University and became a Diplomate ACVS in 2006. He became a Diplomate of the American College of Sports Medicine and Rehabilitation in 2013. His clinical and research focus areas include minimally invasive orthopedics, joint replacement and canine sports medicine. His most recent research includes stifle stability and shoulder musculotendinous injuries.



## **Guillaume Ragetly, DVM, PhD, DACVS, DECVS**

*Centre Hospitalier Vétérinaire Frégis, Paris, France*

Guillaume Ragetly is the director and head of the orthopedic department at the Hospital Frégis in Paris, the biggest referral practice in France. He was previously a small animal surgery Faculty at the University of Illinois where he completed a surgical residency and did a PhD in cartilage tissue engineering. He is exclusively practicing orthopedic surgeries and is highly involved with hip replacement, arthroscopies and traumatology. He graduated from the National Veterinary Schools of Toulouse and of Alfort and did a small animal internship at the University of Montreal before coming to the University of Illinois. His clinical interests include joint surgery, minimally invasive orthopedic surgery and clinical applications of biomaterials.



## **Gabriel Ignacio Ramírez Flores, DVM, MSc**

*Hospital Veterinario Bruselas, Coyoacán, Mexico*

I always knew that my life was going to be in an operating room rebuilding animals, from the smallest, a 10 gram hummingbird, to a 4 ton rhinoceros. I was part of the academic team at my school's cat and dog teaching hospital and was fortunate to find Dr. Wade O. Brinker with whom I began to study surgery.

# INVITED SPEAKERS

My mission is to bring to Latin America the knowledge of orthopedic surgery in small animals, so I became a student in America, and a teacher in Latin America. I have given hundreds of courses in practically all Spanish speaking countries. I achieved my Master of Science in small animal surgery in the line of Osteoarthritis. I have written surgical books, collaborated on several others, and published scientific articles. Today I am a surgeon with 40 years doing orthopedic surgery using the techniques of avant-garde in orthopedics. Thanks to VOS I learned to snow ski. Thanks to VES I learned to dive, and today I am certified as a technical cave diver. My sporting passion is currently golf. My father, an Engineer (1924-1999), and my mother (1936) took care of 4 children, I was the first veterinarian in my family, there is no one else, I just hope that one of my four grandchildren wants to become a veterinarian.



**Fabrice Rossignol, DVM, DECVS**  
*Clinique Vétérinaire de Grosbois, Boissy-Saint-Léger, France*

Fabrice graduated in 1994 from National Veterinary School of Toulouse (South of France). He joined the Equine Clinic of Grosbois after graduation, and became partner in 1998. He became an ECVS diplomate in 2010. Fabrice is a senior surgeon at the Equine Clinic de Grosbois. He has a 100% activity in surgery and has a major interest in upper airway surgery and fracture repair. He is involved in several research projects such as the development of a laryngeal pacemaker and new techniques of laryngeal reinnervation within the Medel group. He is also a member of the AO Vet Large Animal Expert Group and Faculty since 2016 and is active in the development of new orthopedic implants. When he is not working, Fabrice likes travelling and skiing.



**Brian Saunders, DVM, PhD, DACVS**  
*Texas A&M University, College Station, TX, USA*

Dr. W. Brian Saunders received his Doctor of Veterinary Medicine degree from Texas A&M University and completed a rotating internship at the University of Tennessee. He then returned to Texas A&M to complete a PhD in vascular biology. He subsequently completed a small animal surgery residency at Texas A&M. Dr. Saunders is a Diplomate of the American College of Veterinary Surgeons and is also an ACVS founding fellow in Minimally Invasive Surgery. He is currently an Associate Professor of Orthopedic Surgery at Texas A&M University. He is the director of the Canine Comparative Orthopedics and Cellular Therapeutics Lab and holds the Linda and Dennis H. Clark '68 Chair in Clinical Research. Dr. Saunders' clinical interests include arthroscopic joint surgery, minimally invasive fracture repair, interlocking nailing, and joint replacement. Dr. Saunders' research interests include canine mesenchymal stem cells, tissue engineering, and total joint replacement.



**Eva Schnabl-Feichter, DrMedVet, DECVS**

*University of Veterinary Medicine, Vienna, Austria*

Eva Schnabl-Feichter studied Veterinary Medicine at the Veterinary University in Vienna and qualified in 2002. After her studies she worked in private practice in England for one year. During her stay in England she finished her doctoral thesis about Tibial plateau angle measurements in Cats. In 2003 Eva started an internship and completed a residency in small animal surgery under the supervision of Ulrike Matis and Roberto Köstlin at the Ludwig-Maximilians-University in Munich/Germany. In 2010 she became a Diplomate ECVS and worked between 2010 and 2013 with Günter Schwarz at the Tierklinik Hollabrunn as senior surgeon. In 2013 she returned to the Veterinary University in Vienna/Austria to be team leader in small animal orthopaedics and traumatology. In April 2021 she became Assoc. Professor. Additionally to her academic work, she is a surgical consultant at a referral clinic close to Vienna. Eva is part of the faculty of the AO and member of VOS and ESVOT. She is lecturer for ESAVS and Improve international. Her research interest focuses on human and veterinary traumatology and feline orthopaedics.



**Danielle Scott, MS**

*Colorado State University, Fort Collins, CO, USA*

Danielle Scott is an energetic advocate for the planet. She has dedicated her personal life, academic efforts, and future career to forging a healthy future for all that inhabit our Earth. In her everyday life she avoids single-use plastics, is learning the ropes of homesteading, and continuously makes a conscious effort to lessen her environmental footprint. Scholastically she holds a master's degree in Environmental Science and Management (UC Santa Barbara, 2012). Her thesis compared ecosystem-based adaptation (mangroves) to engineered approaches (sea walls) for coastal protection during storm surge events. In between her studies, she managed a veterinary practice, operated a non-profit researching gray whales, provided medical care for a marine mammal rescue, and performed coral reef research in the Dominican Republic. Danni is in her final year of veterinary school at Colorado State University, where she led the organization of a virtual conference, Animal Health Advocates in a Changing Climate, and co-authored a guidebook on sustainable procurement for veterinary practices. She is pursuing a research-based career involving climate change, health and clinical sustainability.



**Monchanok Vijarnsorn, DVM, MSc, PhD, DTBVS**

*Faculty of Veterinary Medicine, Kasetsart University, Bangkok, Thailand*

Dr. Vijarnsorn graduated with DVM degree from the Faculty of Veterinary Medicine, Kasetsart University, Thailand in 1991. She completed her PhD from the Atlantic Veterinary College, University of Prince Edward Island, Canada in 2007. She is a diplomate of the Thai Board of Veterinary Surgery. Dr. Vijarnsorn is currently a clinical instructor of the Department of Companion Animal Clinical Sciences,



# INVITED SPEAKERS

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Faculty of Veterinary Medicine, Kasetsart University. Her research interests are small animal orthopedic implants, gait analysis, rapid prototyping model for surgical preplanning, dietary supplements for osteoarthritis and small animal rehabilitation. Dr. Vijarnsorn was the president of the Veterinary Practitioner Association of Thailand (2016-2018) and the vice president of Asian Society of Veterinary Surgery. Dr. Vijarnsorn received several professional awards in clinician teaching practice including Kasetsart University Distinguished Teaching Awards, the Veterinarian of the Year Award from the Veterinary Practitioner Association of Thailand, and the Exemplary Veterinarian Award from the Thai Veterinary Medical Association under the Royal Patronage.



**Jeff Watkins, DVM, MS, DACVS**

*Texas A&M University, College Station TX, USA*

Dr. Jeff Watkins received his DVM in 1980 from Kansas State University. He subsequently completed a large animal rotating internship and

surgery residency at Texas A&M University. In addition, he received a Masters of Veterinary Science from Texas A&M in 1984 and became a board-certified surgeon in 1986. Dr. Watkins has been a faculty member in the Department of Large Animal Clinical Sciences at Texas A&M University's College of Veterinary Medicine since completing his residency in 1984 rising to the rank of professor in 1999. Dr. Watkins has served on numerous academic and professional boards during his career. Noteworthy among those include Chief of Large Animal Surgery at Texas A&M, Chair of AO VET North America, and currently as the international chair of AO VET. As an equine orthopedic surgeon Dr. Watkins has contributed to numerous published works in referred publications as well as multiple abstracts, proceedings and book chapters. He has been at the forefront of developing an intramedullary interlocking nail system for fixation of humeral and femoral fractures in foals. In addition, he has made significant contributions towards advancing the management of pastern osteoarthritis as well as fractures of the middle phalanx in adult horses.



**Jason Lih-Seng Yeh, DVM, PhD**

*Institute of Veterinary Clinical Sciences, National Taiwan University, Taipei City, Taiwan*

Jason Lih-Seng Yeh is currently an adjunct professor at the Institute of Veterinary Clinical Sciences in National Taiwan University. He has previously served in the same university as Chief of Surgery of the Veterinary Teaching Hospital, Convener of Institutional Animal Care and Use Committee (IACUC), and founder and first director of the Institute of Veterinary Clinical Sciences. Dr. Yeh has been devoted to the animal welfare movement in Taiwan for more than 30 years. He was the main drafter of the Animal Protection Law of Taiwan. His academic and professional interests include animal welfare and legal issues, transplant immunology, veterinary plastic and reconstructive surgery, microsurgery, and orthopedics. Professor Yeh is ambitious in promoting veterinary continuing education. He is the founder and the first chairperson of Taiwan College of Veterinary Surgeons (TCVS), the vice-chairperson of the Asian Society of Veterinary Surgeons (AiSVS). Dr. Yeh also serves as an ambassador member of AO VET society.

# PANELS

## Women in Orthopedics

**Sunday, February 6th | 2:00pm - 3:30pm**

**Participants:** E. Comerford, L. Peycke, E. Schnabl-Feichter, G. Flo

**Moderator:** N. Ehrhart

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

The number of women entering the field of veterinary orthopedic surgery has increased significantly in the last two decades, but there are remaining disparities that merit investigation and discussion. This panel will review the history of women in orthopedic surgery and promote understanding and meaningful discussion around specific issues and challenges faced by orthopedic surgeons of all genders. Topics will include work-life balance, caregiving, and strategies to navigate private practice and academia through the lens of inclusivity.

## Corporate, Independent, and Mobile Practice: Maintaining Quality, Sanity, and Financial Success

**Monday, February 7th | 2:00pm - 3:30pm**

**Participants:** J. Harper, P. Lotsikas, G. Ragetly, B. Cassell

**Moderator:** J. Van Dyke

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

This panel will explore the differences and similarities between these practice models. How do these different situations affect the quality of surgery and the service to our clients? Is it possible to run an independent practice and still see your children? Is joining a corporation really selling out or saving your life? What are the economics and quality of life of mobile practice? Can we maintain quality in corporate practice and who is making the decisions? Questions and comments from the audience will be strongly encouraged.

## Specialty Training Programs in the Age of Consolidation and Increased Demand

**Tuesday, February 8th | 2:00pm - 3:30pm**

**Participants:** L. Fineman, L. Goodrich, N. Kieves

**Moderator:** TBD

**Room:** Movora Lecture Hall (Ziegler Room - Level 2)

Specialty training programs were conceived with the goals of advancing and sharing the art and science of veterinary medicine, initially with a focus on developing academic clinicians and researchers. These goals have evolved with the explosion in other career opportunities, including private practice and industry positions. As specialty associations have grown, so too has the need for a focus on best practices associated with certification and training program quality. External trends, such as shortages in the number of specialists with respect to demand in all employment sectors, rapid change and unpredictable circumstances associated with the global pandemic, and loss of veterinarians and support staff due to burnout have all contributed to increased pressure on specialty organizations. How do certifying colleges navigate this rapidly changing landscape? What changes do we need to consider while still maintaining the integrity and value of certification? Participation from the audience is highly encouraged.

## Implants and Instruments: A Discussion on Innovation, Development and Quality

**Tuesday, February 8th | 2:00pm - 3:30pm**

**Participants:** M. Cunningham (DPS), D. Shepherd (Arthrex), J. Innes, J. Watkins, A. Pozzi

**Moderator:** K. Schulz

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

With the growth of veterinary orthopedics has come a tremendous growth in the types of implants and the companies manufacturing them. There is increased participation from practicing surgeons and, conceivably, low hurdles to manufacturing based on growth. This panel will explore how innovation happens, involvement of universities and practicing surgeons and the role of engineers. It will also explore legal and financial questions including royalties and patents. In addition, the discussion will include comments on how surgeons should choose between the designs, the role, if any, of regulation and comparisons to the human market.

# LABORATORIES AND SPONSOR EVENTS

## Patellar Groove Replacement

Sunday, February 6th | 10:00am - 3:30pm

Sponsored By



Leading veterinary  
orthopedic solutions

Room: Vista (Viewline)

Patellar Groove Replacement (PGR) is a promising advancement for the surgical correction of canine patellofemoral degenerative disease. This laboratory will review the background and rationale for PGR, indications, planning, description of the surgical technique, practical using saw bones, surgical complications and discussion.

KYON PGR Training is appropriate for veterinary surgeons with well-rounded orthopedic experience, knowledgeable in fracture plating, corrective osteotomies and/or TPLO/TTA techniques. Complications are minimal, usually related to technical errors, and easily avoided with comprehensive instruction and modest practice. Your operating room and hospital should be suitable for orthopedic surgery, including joint replacement.

**Instructors:** Otto Lanz

**Contact Person:** Michelle Kingston, michelle.kingston@kyon.us

**Registration:** [https://www.kyon.ch/training/stifle-pgr-course/#PGR\\_VOC\\_07022022](https://www.kyon.ch/training/stifle-pgr-course/#PGR_VOC_07022022)

## Introduction and Peer-to-Peer Round Table Discussion of the New Intrauma Polyaxial Locking System

Sunday, February 6th | 10:00am - 3:30pm

Sponsored By



Room: Wanderlust (Wildwood)

**Instructor:** Ken Bruecker

**Registration:** By Invitation Only

## CORA Based Leveling Osteotomy (CBLO)

Monday, February 7th | 10:00am - 3:30pm

Sponsored By



Room: Wanderlust (Wildwood)

CORA based leveling osteotomy is a procedure where the tibial plateau angle is modified by centering the saw blade (ACA) at the location of the CORA (center of rotation of angulation). In doing so there is no secondary translation, i.e., the proximal anatomic axis and distal anatomic axis are aligned. The osteotomy is stabilized with a Veterinary Orthopedic Implant (V.O.I.) specially designed locking plate and counter-sink compression screw. The course will detail surgical planning, surgical technique, post-operative management, complications, and long-term outcome. In this course participants (surgeons [and surgical technicians - if accompanying their surgeon]) will familiarize themselves with the CBLO procedure through lecture, clinical case presentations, radiographic pre-operative planning, and by performing the procedures on saw bone models. Course participants will learn basic techniques in addition to techniques including management of Juvenile CCL injury with CBLO, CBLO with concurrent patella luxation correction, and double cut techniques for excessive tibial plateau angle (eTPA).

**Instructor:** Don Hulse

**Contact Person:** Chris Hamilton, chris@vetimplants.com, (904) 466-8480

**Registration:** <https://www.eventsquid.com/event/14885?ref=VOSWVOC>

## Arthrex NanoScope Experience

Monday, February 7th | 10:00am - 3:30pm

Sponsored By



Room: Vista (Viewline)

The Arthrex Vet System's NanoScope Experience will be offered in two separate 2.5 hours sessions (10am-12:30pm and 1:00pm-3:30pm) and will consist of concise presentations on indications for use of a chip-on-tip NanoScope System in the canine shoulder, elbow, carpus, hip, stifle and tarsus joints. The laboratory session consists of a canine cadaveric wet lab for participants to trial the new technology on all of these joints. The NanoScope offers precise, direct image-guided visualization for diagnostic and therapeutic arthroscopy. The Nano-scope provides an important additional option for quick diagnostic arthroscopy, usually with just sedation, instead of general anesthesia. For diagnosis of joint disease in dogs and cats, it is unparalleled, especially with regard to cartilage, meniscus, ligament, and tendon problems. All with short-duration sedation, a small clip and prep, and video documentation for client education.. This new technology has improved and changed the way surgeons manage joint disease in small animals.

**Instructors:** Kei Hayashi, Peter Lotsikas, Antonio Pozzi, and Kurt Schulz

**Contact:** Lori Melhorn, lori.melhorn@arthrex.com

**Registration:** <https://www.arthrexvetsystems.com/continuing-education>

# LABORATORIES AND SPONSOR EVENTS

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## Custom Joint Replacement

Tuesday, February 8th | 10:00am - 1:30pm

Sponsored By



Room: Vista (Viewline)

This course will demonstrate the process of developing individualized solutions for challenging joint replacement cases. This process is based on a close collaboration between the primary surgeon and a team of specialized engineers. Real clinical cases will be discussed and the decision-making will be presented with a step-by-step approach, including:

- Decision between custom and commercial implants
- Definition of technical problems
- Choice of implant design
- Engineer's drawings and surgeon's feedback
- Finalization drawings
- 3D printed implants review
- Pitfalls

**Instructors:** Antonio Pozzi (clinical/surgery/design) and Donato Monopoli (engineering/design)

**Contact Person:** Francesco La Palombara,  
f.lapalombara@biosurgex.com

**Registration:** <http://www.biosurgex.com/>  
<https://www.linkedin.com/company/biosurgex/>

## Reception and "Fireside Chat"

Tuesday, February 8th | 7:00pm - 8:00pm

Sponsored By



Room: TBD

This special "fireside chat" session, sponsored by Bimeda, will be an informal gathering amongst equine clinicians and surgeons to discuss the potential benefits of using Polyglycan as a post-surgical lavage, as an alternative to Hyaluronic Acid during joint therapy, and systemically (IV) for general chondro protection. Dr. José García-López will share his experience using Polyglycan for the past 15 years in his clinical practice which focuses mostly in sport horse and racing disciplines. Refreshments will be available.

# SCHEDULE

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## CONGRESS - SATURDAY, FEBRUARY 5, 2022

### VIEWLINE EVENT CENTER

7:00 p.m. - 9:00 p.m. Registration & Opening Ceremony  
ROOM: Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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## CONGRESS - SUNDAY, FEBRUARY 6, 2022 - MORNING SESSION

### VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)

*SESSION TITLE: Sports Medicine & Rehabilitation*

*MODERATOR: José García-López*

- 7:00AM** Welcome to VOS / WVOC (J. García-López)
- 7:15AM** 3D Printed Client Models (O. Fink)
- 7:30AM** Working with the Media to Benefit Your Practice (C. Campbell)
- 7:45AM** BREAK
- 8:15AM** Recovery App (P. Lotsikas)
- 8:30AM** VetLessons: Client Online Education (M. Farrell)
- 8:45AM** Using Diversity to Benefit Your Practice (C. Campbell)
- 9:00AM** Women in Orthopedics and the Challenges they Face (E. Comerford)

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### 10:00am - 3:30pm Lab Sessions

**Introduction and Peer-to-Peer Round Table Discussion of the New Intrauma Polyaxial Locking System (By Invitation Only)**

**Sponsored By:** Intrauma

**Room:** Wanderlust (Wildwood)

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**Patellar Groove Replacement**

**Sponsored By:** KYON

**Room:** Vista (Viewline)

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### 2:00pm - 3:30pm Apres Ski Panel

**Women in Orthopedics**

**Panelists:** E. Comerford, L. Peycke, E. Schnabl-Feichter, G. Flo

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

# CONGRESS - SUNDAY, FEBRUARY 6, 2022 - AFTERNOON SESSION

## VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)	Movora Lecture Hall (Ziegler Room - Level 2)	Movora Auditorium (Independence - Level 2)
<p><b>SESSION TITLE:</b> Sports Medicine &amp; Rehabilitation <b>MODERATOR:</b> Janet Van Dyke</p> <p><b>3:59PM</b> Hills FPP <b>4:00PM</b> Where Are We Now With Orthoprosthesis? (P. Mich) <b>4:15PM</b> Is There a Roll for Prosthetics at All? (P. Mich) <b>4:30PM</b> Practical Issues When Using Orthotics and Prosthetics (P. Mich) <b>4:45PM</b> BREAK <b>5:15PM</b> CT Brace (O. Fink) <b>5:30PM</b> Surgical Revision Purgatory, How to Leverage Your Rehabilitation Team I (S. Foster) <b>5:45PM</b> Still Waiting for Surgical Revision, How to Leverage Your Rehabilitation Team II (S. Foster)</p>	<p><b>SESSION TITLE:</b> Small Animal Abstracts - Stifle <b>MODERATOR:</b></p> <p><b>4:00PM</b> (160) Comparative Kinematic Evaluation of TPLO and TPLO Combined with Extra-Articular Augmentation: a Biomechanical Study (A. Pozzi) <b>4:15PM</b> (159) Outcome and Complications Following TPLO with Lateral Extra-Articular Augmentation (A. Pozzi) <b>4:30PM</b> (85) Effect of Tibial Plateau Leveling Osteotomy Positioning on Patellar Ligament Strain in the Canine Stifle Joint: a Computational Analysis (A. Smith) <b>4:45PM</b> BREAK <b>5:15PM</b> (150) Effect of Osteotomy and Plate Orientation on Rock-Back Following Tibial Plateau Leveling Osteotomy Using a Tibial Gap Model (K. Shrock) <b>5:30PM</b> (105) Comparison of Four Surgical Techniques to Correct Excessive Tibial Slope in Dogs: a Theoretical Radiographic Analysis (A. Story) <b>5:45PM</b> (140) Comparison of Five Radiographic Scoring Systems for Assessment of Bone Healing After Tibial Plateau Leveling Osteotomy in Dogs (R. Leal)</p>	<p><b>SESSION TITLE:</b> Equine I <b>MODERATOR:</b></p> <p><b>4:00PM</b> (134) Soft Tissue Approach to Pastern Arthrodesis Using a Curvilinear "S" Shaped Incision: 25 Cases (H.T. Gudehus) <b>4:15PM</b> The Use of a Novel Cervical Implant for the Management of Cervical Injuries (F. Rossignol) <b>4:30PM</b> Novel Cervical Implant (cont.) (F. Rossignol) <b>4:45PM</b> BREAK <b>5:15PM</b> (89) Bone Mineral Density and Metacarpophalangeal Joint Pathology are Associated with Exercise but not Proximal Sesamoid Bone Fracture in Thoroughbred Racehorses (H. Reesink) <b>5:30PM</b> Management of Complex MC3 Fractures (J. Gasiorowski) <b>5:45PM</b> Complex MC3 Fractures (cont.) (J. Gasiorowski)</p>

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### 6:00pm - 7:00pm Jacques Jenny Lecture

"Synthetic Materials and Synthetic Biology to Treat Arthritis"

**Speaker:** Farshid Guilak, PhD

**Sponsored by:** Movora

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

### 7:00pm - 9:00pm Exhibitor's Showcase

**Sponsored by:** Zoetis and Karl Storz

**Room:** Viewline Ballroom

# CONGRESS - MONDAY, FEBRUARY 7, 2022 - MORNING SESSION

6:45am - 7:15am VOS Past Presidents' Breakfast

Viewline Ballroom

## VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)	Movora Lecture Hall (Ziegler Room - Level 2)	Movora Auditorium (Independence - Level 2)
<p><b>SESSION TITLE:</b> <i>Small Animal</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> Objective Outcome Measures in Feline Orthopaedics (E. Schnabl-Feichter)</p> <p><b>7:15AM</b> OrthoPets SOTI - Novel Concept of External Cooptation-Total Limb Casting System (J. Niemi)</p> <p><b>7:30AM</b> Fracture Repair in Cats Using Conical Coupling Fixin Mini 1.9-2.5 Locking Plate System (B. Peironi)</p> <p><b>7:45AM</b> Bonewelding Technology in Veterinary Surgery (E. Schnabl-Feichter)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:30AM</b> Custom Joint Replacements (A. Pozzi)</p> <p><b>8:45AM</b> (152) Fluoroscopic Categorization of BFX™ Acetabular Component Positioning (P. Sadowitz)</p> <p><b>9:00AM</b> (147) Total Hip Arthroplasty for Femoral Fractures Other than Capital Physeal Fractures in Thirteen Dogs (S. Jones)</p> <p><b>9:15AM</b> biosurgex SOTI - Innovations in Patient-Specific Solutions for People and Dogs (A. Pozzi)</p> <p style="text-align: center;"><b>SPONSORED BY</b> </p>	<p><b>SESSION TITLE:</b> <i>Disruptions in Practice</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> What's Driving Consolidation? (B. Cassell)</p> <p><b>7:15AM</b> What's Driving Consolidation? (cont.) (B. Cassell)</p> <p><b>7:30AM</b> What's Driving Consolidation? (cont.) (B. Cassell)</p> <p><b>7:45AM</b> What's Driving Consolidation? (cont.) (B. Cassell)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:30AM</b> Purina SOTI</p> <p><b>8:45AM</b> Demand for, and Utilization of, Key Clinical "Talent" (B. Cassell)</p> <p><b>9:00AM</b> Demand for, and Utilization of, Key Clinical "Talent" (cont.) (B. Cassell)</p> <p><b>9:15AM</b> (84) Determination of the Center Mass in Dogs (T. Johnson)</p> <p style="text-align: center;"><b>SPONSORED BY</b>       <small>United in achieving the best veterinary outcomes</small></p>	<p><b>SESSION TITLE:</b> <i>Equine II</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> (156) Treatment with Intra-Articular Corticosteroids in Actively Competing Sport Horses Increases the Relative Risk of Laminitis: a Retrospective Cohort Study (A. Bathe)</p> <p><b>7:15AM</b> Management of P1 Fractures: From Simple to Not so Simple (J. Gasioroski)</p> <p><b>7:30AM</b> Management of P1 Fractures: From Simple to Not so Simple (cont.) (J. Gasioroski)</p> <p><b>7:45AM</b> (90) Pharmacokinetics and Pharmacodynamics of Epidural and Intramuscular Triamcinolone in Horses with Chronic Lameness (R. Johnson)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:30AM</b> (76) Revision Surgery for Neurectomy of the Deep Branch of the Lateral Plantar Nerve: a Case Report of Four Horses (A. Bathe)</p> <p><b>8:45AM</b> The Use of the Femoral Plate for the Management of Complex P1 Fractures (F. Rossignol)</p> <p><b>9:00AM</b> The Use of the Femoral Plate for the Management of Complex P1 Fractures (cont.) (F. Rossignol)</p> <p><b>9:15AM</b> (133) Advantages of Arthroscopic Removal of Palmar/Plantar Osteochondral Fragments in 45 Horses in Dorsal Recumbency (L. Mendoza)</p> <p style="text-align: center;"><b>SPONSORED BY</b> </p>

**10:00am - 3:30pm Lab Sessions**

**NanoScope Experience**  
**Sponsored By:** Arthrex  
**Room:** Vista (Viewline)

**CORA Based Leveling Osteotomy (CBLO)**  
**Sponsored By:** VOI  
**Room:** Wanderlust (Wildwood)

**2:00pm - 3:30pm Apres Ski Panel**

**Corporate, Independent, and Mobile Practice: Maintaining Quality, Sanity, and Financial Success**

**Panelists:** P. Lotsikas, L. Fineman, B. Cassell, J. Harper, G. Ragetly  
**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

**CONGRESS - MONDAY, FEBRUARY 7, 2022 - AFTERNOON SESSION**  
**VIEWLINE EVENT CENTER**

Zoetis Lecture Hall (Viewline Ballroom Salon 1)	Movora Lecture Hall (Ziegler Room - Level 2)	Movora Auditorium (Independence - Level 2)
<p><b>SESSION TITLE:</b> <i>Small Animal</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> (138) Prospective Study of the Effects of Prehabilitation on Performance, Injury and Retirement Rates of Police Dogs (W. Baltzer)</p> <p><b>4:15PM</b> (116) Low-Cost and High-Level 3D Scanners Versus Anatomical Measurements of the Distal Pelvic Limb in Dogs for Orthosis Design (J. A. Gines)</p> <p><b>4:30PM</b> Zoetis SOTI - Nerve Growth Factor, Its Role in Osteoarthritis Pain, and an Overview of NGF Sequestration as a Therapeutic Strategy (D. Lascelles)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> Why Don't Stem Cells Work Better? (B. Saunders)</p> <p><b>5:30PM</b> (51) Relationship Between 9-Axis Inertial Measurement Unit Output and Canine Activity (M. Vitt)</p> <p><b>5:45PM</b> The Truth on Orthobiologics (N. Kieves)</p> <p><b>SPONSORED BY</b> </p>	<p><b>SESSION TITLE:</b> <i>Small Animal</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> E-Learning: What Will Stay After COVID-19? (E. Schnabl-Feichter)</p> <p><b>4:15PM</b> Total Hip Replacement Learning Curve: From Pre-op to Post-op (B. Peirone)</p> <p><b>4:30PM</b> Femoral Broaching for the Cementless Stem: Techniques to Achieve Success in Challenging Cases (B. Saunders)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> Exubriion SOTI - Long-Lasting, Non-Systemic Treatment for Inflammation and Pain of Canine Elbow OA (J. Donecker)</p> <p><b>5:30PM</b> Translational / One Medicine: What has been accomplished? (J. Easley)</p> <p><b>5:45PM</b> Clinical Research in Practice: When Do We Need Ethics? (E. Comerford)</p> <p><b>SPONSORED BY</b>   United in achieving the best veterinary outcomes</p>	<p><b>SESSION TITLE:</b> <i>Equine III &amp; Small Animal Abstracts</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> (80) Assessment of Bone Morphology Using Standing Robotic CT in 2-Year-Old Thoroughbred Racehorses in Their First Year of Training (S. Ciamillo)</p> <p><b>4:15PM</b> Evolution of Pastern Arthrodesis in the Horse (J. Watkins)</p> <p><b>4:30PM</b> Evolution of Pastern Arthrodesis in the Horse (cont.) (J. Watkins)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> (145) Evaluation of the Accuracy of a Novel Wearable Health Monitor for the Use of Tracking Energy Intake and Expenditure in Dogs (M. Sekhar)</p> <p><b>5:30PM</b> (63) Evaluation of Commercial Paw Traction Products for Dogs (E. Fox)</p> <p><b>5:45PM</b> (137) Use of an Artificial Intelligence Program to Provide Pre- and Postoperative Information Regarding the Tibial Plateau Leveling Osteotomy (TPLO) Procedure</p> <p><b>SPONSORED BY</b> </p>

**6:00pm - 7:00pm Jacques Jenny Lecture**

"Deconstructing Mechanobiology as a Therapeutic Target for Joint Disease"

**Speaker:** Farshid Guilak, PhD




**Sponsored by:** Movora

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)



# CONGRESS - TUESDAY, FEBRUARY 8, 2022 - MORNING SESSION

## VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)	Movora Lecture Hall (Ziegler Room - Level 2)	Movora Auditorium (Independence - Level 2)
<p><b>SESSION TITLE:</b> <i>The Cutting Edge</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> Novel Curved Interlocking Nail: From Design to Commercialization (G. Ragetly)</p> <p><b>7:15AM</b> Dynamic Reduction Device (DRD) Jig: a Novel Tool in Corrective Osteotomies Execution (B. Peirone)</p> <p><b>7:30AM</b> Endoscopic JPS (R. Elliot)</p> <p><b>7:45AM</b> Novel Biomarkers (E. Comerford)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:29AM</b> MOVES FPP</p> <p><b>8:30AM</b> Shoulder Instability (A. Pozzi)</p> <p><b>8:45AM</b> (146) Internet-Based Survey on Diagnosis and Treatment Recommendations for Medial Shoulder Syndrome and Instability in Dogs (P. Lotsikas)</p> <p><b>9:00AM</b> Fixator Assisted Fracture Repair (D. Lewis)</p> <p style="text-align: center; color: #0070C0;"><b>SPONSORED BY</b></p> 	<p><b>SESSION TITLE:</b> <i>Practice Management</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> Phases of Growth (B. Cassell)</p> <p><b>7:15AM</b> Phases of Growth (cont.) (B. Cassell)</p> <p><b>7:30AM</b> Consolidated Veterinary Orthopedics (J. Innes)</p> <p><b>7:45AM</b> Changing Practice Management: From Partner to Corporate Employee. The Surgeon's and Director's Perspectives (G. Ragetly)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:30AM</b> Asian College of Veterinary Surgery (J. Yeh)</p> <p><b>8:45AM</b> Cost vs. Quality (J. Innes)</p> <p><b>9:00AM</b> Maintaining Quality in Mobile Practice (J. Harper)</p> <p><b>9:15AM</b> Technician Retention (J. Innes)</p> <p style="text-align: center; color: #0070C0;"><b>SPONSORED BY</b></p> 	<p><b>SESSION TITLE:</b> <i>Equine IV &amp; Small Animal Abstracts</i> <b>MODERATOR:</b></p> <p><b>7:00AM</b> Management of Humeral Fractures (J. Watkins)</p> <p><b>7:15AM</b> Management of Humeral Fractures (cont.) (J. Watkins)</p> <p><b>7:30AM</b> (60) Characterization and Immunomodulatory Properties of Extracellular Vesicles Isolated from Bone Marrow-Derived Mesenchymal Stem Cells (K. Ortvad)</p> <p><b>7:45AM</b> (86) Surface Compaction Affects Vertical Ground Reaction Forces of Equine Arena Surfaces More Than Surface Type (C. Rohlf)</p> <p><b>8:00AM</b> BREAK</p> <p><b>8:30AM</b> (59) 3D Printed Porous Ceramic Scaffolds for In Vivo Bone and Blood Vessel Formation (W. Dernell)</p> <p><b>8:45AM</b> (117) Precision of 3D Printing Custom Bone Plates for Femoral Torsion in Canine Cadavers (J. A. Gines)</p> <p><b>9:00AM</b> (79) Synovial Fluid Proteomics Reveals Conserved Targets for Cruciate Ligament Injury in Dogs and Humans (H. Reesink)</p> <p><b>9:15AM</b> (52) Effect of Mechanical Stimulation on Meniscal Tissue Engineering Using Canine Synoviocyte: A Pilot Study (M. Lu)</p> <p style="text-align: center; color: #0070C0;"><b>SPONSORED BY</b></p> 

### 10:00am - 3:30pm Lab Session

#### Custom Joint Replacement

Sponsored By: biosurgex

Room: Vista (Viewline)

### 2:00pm - 3:30pm Apres Ski Panels

#### Implants and Instruments: A Discussion on Innovation, Development and Quality

**Panelists:** M. Cunningham (DPS), D. Shepherd (Arthrex), J. Innes, J. Watkins, A. Pozzi

Room: Zoetis Lecture Hall (Viewline Ballroom Salon 1)

#### Specialty Training Programs in the Age of Consolidation and Increased Demand

**Panelists:** L. Fineman, L. Goodrich, N. Kieves

Room: Movora Lecture Hall (Ziegler Room - Level 2)

# CONGRESS - TUESDAY, FEBRUARY 8, 2022 - AFTERNOON SESSION

## VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)	Movora Lecture Hall (Ziegler Room - Level 2)	Movora Auditorium (Independence - Level 2)
<p><b>SESSION TITLE:</b> <i>Small Animal</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> Arthrex SOTI - Nano Arthroscopy in Canine Stifle, Shoulder, and Elbow (K. Hayashi)</p> <p><b>4:15PM</b> NanoScope (P. Lotsikas)</p> <p><b>4:30PM</b> NanoScope (A. Pozzi)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> (44) Accuracy of Needle Arthroscopy Under Sedation for the Diagnosis of Medial Meniscal Tear in Dogs with Cranial Cruciate Ligament Rupture (J. Evers)</p> <p><b>5:30PM</b> Why I Scope Knees (B. Saunders)</p> <p><b>5:45PM</b> Elbow and Tarsal OCD: Could Simple Arthroscopic Management Be Enough? (G. Ragetly)</p> <p style="text-align: center;"><b>SPONSORED BY</b></p> 	<p><b>SESSION TITLE:</b> <i>Biologics &amp; Small Animal Abstracts</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> Update on the Latest Clinical Use of Orthobiologics for Articular Pathology (L. Goodrich)</p> <p><b>4:15PM</b> Update on the Latest Clinical Use of Orthobiologics for Articular Pathology (cont.) (L. Goodrich)</p> <p><b>4:30PM</b> (143) Long-Term Outcome of Medical Management of Cats with Cranial Cruciate Ligament Disease as Determined by Validated Owner-Based Subjective Assessment (R. Stoneburner)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> (155) Cost-Effectiveness Analysis of Three Treatment Modalities for Hip Osteoarthritis (K. Eginton)</p> <p><b>5:30PM</b> (62) Comparison of Trauma in Dogs Due to Direct Motor Vehicle Collision or Ejection from Open Pick-up Truck Bed (2002-2020) (B. Salmelin)</p> <p><b>5:45PM</b> (142) Modic Changes and the Corresponding Histopathology of the Lumbosacral Vertebral Endplate in Dogs with Low Back Pain (W. Baltzer)</p> <p style="text-align: center;"><b>SPONSORED BY</b></p>  	<p><b>SESSION TITLE:</b> <i>My Country's Surgery</i> <b>MODERATOR:</b></p> <p><b>4:00PM</b> Mexico (G. Ramírez Flores)</p> <p><b>4:15PM</b> Brazil (A. Müller)</p> <p><b>4:30PM</b> South Africa (R. Elliot)</p> <p><b>4:45PM</b> BREAK</p> <p><b>5:15PM</b> Taiwan (J. Yeh)</p> <p><b>5:30PM</b> Thailand (M. Vijarnsorn)</p> <p><b>5:45PM</b> Non-Surgical Orthopedics (M. Vijarnsorn)</p> <p style="text-align: center;"><b>SPONSORED BY</b></p> 

### 6:00pm - 7:00pm Jacques Jenny Lecture

"Obesity and Osteoarthritis: The Good, the Bad, and the Ugly"

**Speaker:** Farshid Guilak, PhD

**Sponsored by:** Movora

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

### 7:00pm - 8:00pm Reception and "Fireside Chat"

**Sponsored By:** Bimeda

**Room:** TBD

# CONGRESS - WEDNESDAY, FEBRUARY 9, 2022 - MORNING SESSION

## VIEWLINE EVENT CENTER

Zoetis Lecture Hall (Viewline Ballroom Salon 1)

Movora Auditorium (Independence - Level 2)

**SESSION TITLE:** Minimally Invasive Orthopedics

**MODERATOR:** Antonio Pozzi

- 7:00AM** Storz SOTI - Expanding the Indications for Arthroscopy: Intra-Articular CrCL Grafts and Arthroscopic Assisted Fracture Repair (C. Hudson; D. Hulse)
- 7:15AM** (74) Caudal Pole Hemi-Meniscectomy Through an Arthroscopic Caudomedial Portal: a Cadaveric Study (S. Keider)
- 7:30AM** (67) Short- and Long-Term Outcomes in Small to Medium Breed Dogs Treated Arthroscopically for MCPD: a Retrospective Study of 19 Cases (R. Naghi)
- 7:45AM** (135) Treatment of Non-Articular Comminuted Femoral Fractures in 12 Dogs Using Minimally Invasive Plate Osteosynthesis (S. Jones)
- 8:00AM** BREAK
- 8:30AM** (153) Use of Inverted Hybrid Constructs for Appendicular Long Bone Stabilization in Small Animals (L. Peterson)
- 8:45AM** (81) Efficacy of Femoral MIPO Utilizing 3D-Printed Bone Models and Custom Surgical Guides: a Cadaveric Study (L. Scheuermann)
- 9:00AM** (45) Evaluation of the Use of External Skeletal Fixation in Minimally Invasive Fashion for the Treatment of Non-articular Tibial Fractures (A. Sherman)
- 9:15AM** (83) Minimally Invasive Repair of Acetabular Fractures in Dogs: Ex Vivo Feasibility Study and Case Report (C. Dalton)

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**SESSION TITLE:** Imaging

**MODERATOR:** Ryan King & Rachel Pollard

- 7:00AM** The Use of Operative Imaging in Fracture Repair (L. Goodrich)
- 7:15AM** The Use of Operative Imaging in Fracture Repair (cont.) (L. Goodrich)
- 7:30AM** Imaging Rounds (R. King; R. Pollard)
- 7:45AM** Imaging Rounds (R. King; R. Pollard)
- 8:00AM** BREAK
- 8:30AM** Imaging Rounds (R. King; R. Pollard)
- 8:45AM** Imaging Rounds (R. King; R. Pollard)
- 9:00AM** Imaging Rounds (R. King; R. Pollard)
- 9:15AM** Imaging Rounds (R. King; R. Pollard)

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**10:00am - 12:30pm WVOC International Downhill Olympic Ski and Snowboard Race**

**Sponsored By:** Movora

**Location:** NASTAR Course

**12:00pm - 1:30pm On-Mountain Picnic**

**Sponsored By:** Steris Animal Health

**Location:** Picnic Palace

**3:00pm - 4:00pm AO PEER Resident-in-Training Session**

**Sponsored By:** AO VET

**Presenter:** Kyla Ortved

**Location:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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## CONGRESS - WEDNESDAY, FEBRUARY 9, 2022 - AFTERNOON SESSION

### VIEWLINE EVENT CENTER

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Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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**SESSION TITLE:** *Surgeons-in-Training Award Session*

**MODERATOR:** *Stan Kim*

- 4:00PM** (103) Sacroiliac Joint Stabilization Using Two Short Screws: a Mechanical Study (J. Hanlon)
- 4:15PM** (61) Anti-Nociceptive Efficacy of the Soluble Epoxide Hydrolase Inhibitor t-TUCB in Horses with Mechanically Induced Lameness (A. Carlson)
- 4:30PM** (148) The Effect of Grip Location on Kirschner Wire Bend Characteristics: an In Vitro Study (J. Gremley)
- 4:45PM** BREAK
- 5:00PM** (73) Closed Reduction and Fluoroscopic-Guided Percutaneous Pinning of Femoral Capital Physeal or Neck Fractures: 13 Fractures in 11 Dogs (K. de Moya)
- 5:15PM** (158) Consistency of Platelet Counts Within Individual Patients During Platelet Rich Plasma Generation and Effects of Freezing on the Concentration of Growth Factors in Platelet Rich Plasma (V. Demello)
- 5:30PM** (141) Feasibility of Feline Coxofemoral Arthroscopy Using a Supratrochanteric Lateral Portal: a Cadaveric Study (C. Bounds)
- 5:45PM** (47) Effect of Calcaneal Bone Tunnel Orientation for Teno-Osseous Repair in a Canine Common Calcaneal Tendon Avulsion Model (W. Beamon)

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#### 6:00pm - 7:00pm Jacques Jenny Lecture

"Why Don't Superheroes Get Arthritis? Targeted Genome Engineering to Confer Arthritis Resistance"

**Speaker:** Farshid Guilak, PhD

**Sponsored by:** Movora

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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#### 7:00pm - 10:30pm Poster Session / Foundation Night featuring "Between Two Drills"

**Sponsored by:** Partners in Veterinary Therapeutics

**Room:** Viewline Ballroom

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## CONGRESS - THURSDAY, FEBRUARY 10, 2022

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### VIEWLINE EVENT CENTER

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Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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**SESSION TITLE:** Mark Bloomberg Resident Research Awards Session

**MODERATOR:** Caleb Hudson

- 7:00AM** (65) Efficacy of Virtual Surgical Planning and 3D-Printed Patient-Specific Reduction Guides for Aligning Simulated Comminuted Tibial Fractures in Cadaveric Dogs (L. Scheuermann)
- 7:15AM** (42) Acute-Phase Protein Concentrations Following Uncomplicated Total Hip Arthroplasty in Dogs (J. Carvajal)
- 7:30AM** (154) Pressure Changes After Reapplication of a Custom Fiberglass Tarsal Splint (K. Eginton)
- 7:45AM** BREAK
- 8:15AM** (17) Incidence of Surgical Site Infection Following Postoperative Application of a Novel Antimicrobial Wireless Electroceutical Wound Dressing to Canine TPLO Incisions: A Prospective, Double-Blinded, Placebo-Controlled Pilot Study (B. Casna)
- 8:30AM** (75) Effect of Rest Between Sequential Treatments of Local Anesthetic and Corticosteroid on Inflamed Equine Articular Tissues (S. Boorman)
- 8:45AM** (68) Determination of the Patho-Mechanisms Associated with Staphylococcus Aureus Osteomyelitis (R. Rifkin)
- 9:00AM** (55) An Ex Vivo Comparison of Mono-versus Polyaxial Locking Plates for Metacarpophalangeal Joint Arthrodesis in the Horse (L. Kadic)

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#### **9:30am - 10:30am Complications & Corrections**

**Presenter:** J. Watkins

**Room:** Zoetis Lecture Hall (Viewline Ballroom Salon 1)

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#### **4:00pm - 6:00pm VOS Business Meeting**

**Room:** Movora Auditorium (Independence - Level 2)

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#### **6:30pm - 11:00pm WVOC Gala**

**Sponsored by:** Zoetis and Movora

**Room:** Viewline Ballroom

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**CONGRESS - FRIDAY, FEBRUARY 11, 2022 - MORNING SESSION**  
**VIEWLINE EVENT CENTER**

Zoetis Lecture Hall (Viewline Ballroom Salon 1)

**SESSION TITLE:** *Challenges in Surgery*  
**MODERATOR:**

- 7:00AM** (3) Short-Term Clinical Assessment of Hip Hemiarthroplasty in 11 Dogs (R. Huggard)
- 7:15AM** Short Radius Syndrome: Development of Arthroscopy-Guided Ulnar Shortening Procedures (K. Hayashi)
- 7:30AM** Short Radius (I. Holsworth)
- 7:45AM** (56) Outcome of Canine Cementless Collared Stem Total Hip Replacement with Proximal Femoral Periprosthetic Cerclage Application: 184 Consecutive Cases (S. Israel)
- 8:00AM** BREAK
- 8:30AM** (19) Dome Trochleoplasty for Correction of Medial Patellar Luxation in Dogs >20kg (T. Ericksen)
- 8:45AM** Canine Elbow Replacement: New Thoughts and Designs (M. Conzemius)
- 9:00AM** Alternative Techniques for CCL in Small and Medium Breed Dogs (A. Müller)
- 9:15AM** IOHC Screw (J. Innes)

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Movora Lecture Hall (Ziegler Room - Level 2)

**SESSION TITLE:** *Tendon Reconstruction and Bone Healing*  
**MODERATOR:**

- 7:00AM** (82) Comparison of Interlocking Nail to Locking Compression Plate Fixation of Critically Sized Ovine Tibial Defects (B. Nelson)
- 7:15AM** (35) Biomechanical Analysis of Accessory Tendon Graft Augmentation for Primary Gastrocnemius Tendon Reconstruction in Dogs (D. Duffy)
- 7:30AM** (33) Evaluation of Tendon Plate Augmentation in Addition to a Primary Three-Loop Pulley Repair on the Biomechanical Characteristics and Gap Formation in Canine Gastrocnemius Tendons (Y. Chang)
- 7:45AM** (46) Biomechanical Evaluation Following Loop Modification of a Three-Loop Pulley Pattern in an Ex-Vivo Canine Common Calcaneal Teno-Osseous Avulsion Repair Model (W. Beamon)
- 8:00AM** BREAK
- 8:30AM** (101) Influence of Superficial Digital Flexor Tendon Graft Use as a Method to Augment the Primary Suture Repair of Canine Gastrocnemius Tendons (J. DiMichele)
- 8:45AM** (102) Quantification of Equine Stifle Passive Kinematics (H. He)
- 9:00AM** (108) 3-D Printed Biodegradable Orthopedic Implant Development to Control Interfragmentary Loading During Fracture Repair (A. Smith)
- 9:15AM** (144) Hematogenous Septic Arthritis in the Coxofemoral Joint of an Adult Horse

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**CONGRESS - FRIDAY, FEBRUARY 11, 2022 - AFTERNOON SESSION**  
**VIEWLINE EVENT CENTER**

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**Zoetis Lecture Hall (Viewline Ballroom Salon 1)**

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**SESSION TITLE:** *Regenerative Medicine & Environmental Considerations*

**MODERATOR:**

- 4:00PM** Great Danes and Granddads: How Comparative Aging Research is Moving the Needle in Longevity Therapeutics (N. Ehrhart)
- 4:15PM** Extracellular Vesicles: Regenerative Medicine 2.0 (N. Ehrhart)
- 4:30PM** (87) Myoblast Exosome Production, Function, and miRNA Cargo is Altered by Mechanical Stimulation: Therapeutic Implications for Skeletal Muscle Regeneration (K. Williams)
- 4:45PM** (71) Preliminary Study of Antebrachial Circumference Measurement and Association with Muscle Mass (S.C. Woo)
- 5:00PM** BREAK
- 5:15PM** Determining a Practice's Environmental Impact (D. Scott)
- 5:30PM** Does it Pay to Go Green? Financial Incentives for Sustainable Initiatives (D. Scott)
- 5:45PM** Trash Talk: Quantifying and Reducing a Practice's Waste Stream (D. Scott)

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# REGISTRATION & LODGING

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Visit [vosdvm.org/vos-2022-conference](https://vosdvm.org/vos-2022-conference) for information on registration, lodging, and the conference's latest COVID-19 protocols.

Thank you for your ongoing commitment to the Veterinary Orthopedic Society. We hope to see you in Snowmass for the 6th World Veterinary Orthopaedic Congress!





VETERINARY ORTHOPEDIC SOCIETY  
P.O. BOX 705  
OKEMOS, MI 48805  
VOSDVM.ORG

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