

Dear JCC Community,

It's the end of another busy week. While we are very focused on the upcoming accreditation, as you will see from the Departmental updates below our core business of research, teaching and service is thriving.

All of our departments are excelling in their research outputs – there are many publications, new grants, research prizes and even a new patent. Congratulations to all! Our research is **impactful** and changing the world for the better – examples include research to improve **animal welfare**, understanding the extent of **antimicrobial resistance** in the region and developing strategies to decrease it, as well as advances in **biomedical diagnostics** and **therapeutics**. You can read more about these in the departmental updates below.

In JCC we are lucky to have so many talented teachers, including those who focus on improved pedagogy and host in-house teaching workshops, such as the one held this week by Dr. Rebecca Parkes, Mrs. Susanne Taylor and our Clinical Educators. Remember also that CityU has an excellent Key Issues in Teaching Series (https://www.cityu.edu.hk/ted/faculty_development/staffdev/kiits.htm). If you don't already have a teaching qualification and you are teaching, make sure that you complete this course. It provides you with all the essential information you need to be a successful teacher at CityU.

Our students have been making the most of the opportunity to be involved with the Dairy Farm. The first calf was born over Chinese New Year and others are following. Students have signed up for overnight duties to care for the calves and check the cows and are able to stay in the purpose-built on farm dormitory. The Dairy Farm's veterinarian's Dr. Eryl Done (Farm Manager) and Dr. Joyce Chow are doing an awesome job of keeping the cow's well fed, happy and healthy.



This week we also welcomed Professor Pedro Melendez, in the Department of Veterinary Clinical Sciences. Prof. Melendez is Professor of Large Animal Clinical Sciences and has a wealth of expertise in Dairy Production Medicine <https://onlinelibrary.wiley.com/doi/book/10.1002/9780470960554>.

Our close partner Cornell University's College of Veterinary Medicine (CVM) continues to provide us with strong support and with the borders fully opened, staff exchanges are happening again. Currently Professor Yrjo Grohn is visiting us until February 25th.

<https://www.avma.org/news/press-releases/dr-yrjo-grohn-named-recipient-2022-avma-lifetime-excellence-research-award>

Next week the current Provost and former Dean of Cornell CVM Prof. Michael Kotlikov will visit City University and give a distinguished Lecture at 11.45-12.45 in the Senate Room. If you would like to attend please register [here](#) by 8 Feb (Wed) 12:00noon.

Kind regards



Acting Dean



Jockey Club College of Veterinary
Medicine and Life Sciences

香港城市大學
City University of Hong Kong
in collaboration with Cornell University



Prof. Vanessa BARRS 5/F, Block 1, To Yuen Building
BVSc(hons) PhD MVetClinStud GradCertEd (Higher Ed) 31 To Yuen Street
FANZCVS (Feline Medicine) Kowloon, Hong Kong

Acting Dean Tel: (852) 3442 8825
BOCHK Chair Professor of Veterinary Medicine
Department of Veterinary Clinical Sciences Fax: (852) 3442 0589
City University of Hong Kong

Adjunct Professor
Department of Population Medicine and Diagnostic Sciences
Cornell College of Veterinary Medicine
Cornell University
Website:
<https://www.cityu.edu.hk/vcs/staff/prof-vanessa-barrs.htm>

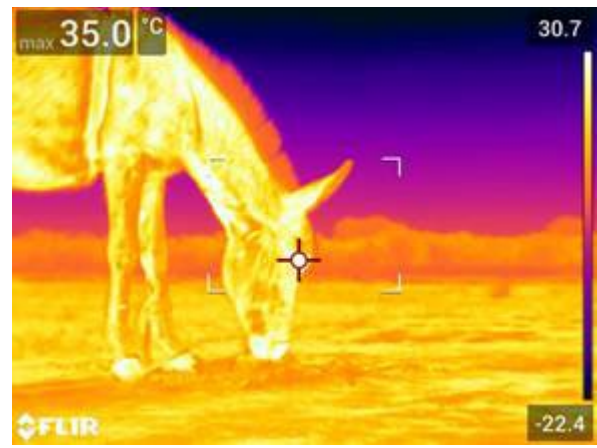
News From Our Departments

Veterinary Clinical Sciences

Research

Research Activities

- **Prof Paulo Steagall** and his team launched a survey about the perceptions and opinions of pet caregivers about pain, anaesthesia, surgery and euthanasia in mainland and Hong Kong, China. This survey aims to improve communication with caregivers of companion animals with veterinarians and ultimately to improve veterinary services, and the quality of life and welfare of pet. Please [click here](#) to complete the survey.
- **Dr Rebecca Parkes'** PhD student **Saad Bukhari** is currently in Pakistan and getting some great donkey welfare assessment data to study donkey's welfare and behaviour.



Publication

- Tomacheuski RM, Monteiro BP, Evangelista MC, Luna SPL, **Steagall PV** (2023) Measurement properties of pain scoring instruments in farm animals: A systematic review using the COSMIN checklist. PLOS ONE 18(1): e0280830. <https://doi.org/10.1371/journal.pone.0280830>

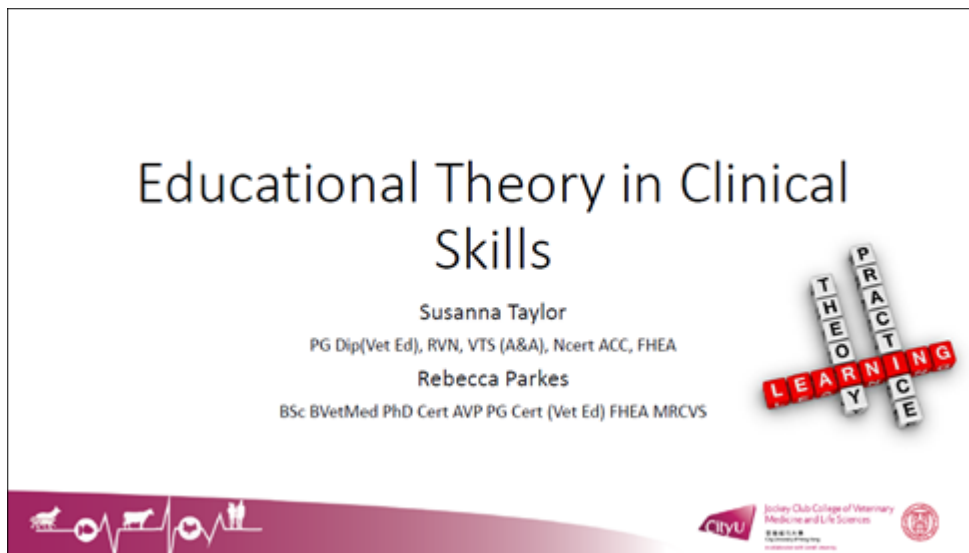
Conference Presentation

- **Perroux, T.A.**, McElligott, A. G., Hodgson, G. M. W. & **Flay, K. J.** (2023). Phenotypic characterization of a unique feral cattle population.; In Animal Behavior Society & Association for The Study of Animal Behaviour; International Animal Behaviour Twitter Conference 2023.



Service & Media

- **Dr Stefan Hobi**, as the member of World Association for Veterinary Dermatology (WAVD) Administrative Committee would like to share that there are some very good guideline papers regarding various important dermatology problems and also some guidance videos offered online for free by WAVD. Please visit the below websites for more information:
 - <https://wavd.org/continuing-education/consensus-guidelines/>
 - <https://wavd.org/continuing-education/webinars/>
- For continuous professional development, **Dr Rebecca Parkes** and **Mrs Susanna Taylor** host a zoom session on “Educational Theory in Clinical Skills” for the Department and all the Clinical Educators and Scientific Officers on February 1st, 2023 to go over the pedagogy behind clinical skills teaching including constructive alignment and tips for running successful labs



Centre for Animal Health and Welfare (CAHW)

The Centre for Animal Health and Welfare (CAHW) is organizing two important online seminars about One Welfare and Pet Welfare in March 2023, please [click here](#) for more information.

Why One Welfare is of central relevance for veterinarians?

by Dr Paul McGreevy

March 2, 2023 (Thu) 1-2pm HKT on Zoom



As society debates the use of animals in sport, entertainment and leisure, there is an increasing focus on the welfare, social and ecological impacts of such activities on the animals, human participants and people close to them and to the environment. This helps to explain why animal welfare scientists increasingly contextualise their findings within a One Welfare framework that enables multidisciplinary collaboration with colleagues in agriculture, business and marketing, the social sciences, medicine, public health, environmental studies, animal studies and law.

As the younger sibling of the One Health construct, One Welfare recognises that animal welfare, biodiversity and the environment are intertwined with human wellbeing and community resilience. Sitting alongside and complementing One Health, One Welfare was conceptualized for veterinarians but, more broadly, offers a foundational concept through which to promote the ethical treatment of all animals affected by human care and human activity. The two frameworks should not be seen as competitors. One Welfare is of central relevance for veterinarians because we care about much more than health alone. It is a framework made by vets for the veterinary profession and one that vets need now more than ever. It is fundamental to sustainability.

March 2, 2023 (Thu)
1-2 pm HKT on Zoom



Scan to register now.
All are welcome!

What did this pandemic teach us about pet welfare?

By Dr Sara Platto

March 28, 2023 (Tue) 1-2pm HKT on Zoom



Pet-owners perceived stress and cats and dogs' behavioral problems during the lockdown in China: What did this pandemic teach us about pet welfare?

The lockdown policies linked with the current pandemic have brought a lot of social and economic strains to the families in China, also impacting the long-term care of companion animals. In fact, these past three years of pandemic have highlighted the lack of support tools for pet-owners during moments of crisis, which has sometimes led to the relinquishment of the animals, and therefore to welfare issues.

This seminar will present the results from the study carried out during the 2020-2021 period in China, which showed how companion animals might have affected the lives of their owners during the lockdown, and how the restrictions could have positively or negatively influenced the quality of life of the dogs and cats.

Dr Sara Platto
Professor of Animal Behavior and Welfare
College of Life Sciences of Jiangnan University
(Wuhan, China)



March 28, 2023 (Tue)
1-2pm HKT on Zoom



Scan to register now

All are welcome!

Enquiry: centre.ahw@cityu.edu.hk

Infectious Diseases and Public Health

Research (included new awards, new publications, new **successful** external grants, etc.)

- **Dr Linyan LI** and **Professor Sheng CHEN** were awarded a RIF/CRF grant in the recent RGC rounds.

New publications

- **Sparagano, O.A.** Tick and Tick-Borne Diseases: New Problems Providing New Possible Solutions. *Pathogens* 2023, 12, 120. <https://doi.org/10.3390/pathogens12010120>
- Nighat Perveen, Khalid Muhammad, Sabir Bin Muzaffar, Tean Zaheer, Nayla Munawar, Bojan Gajic, **Olivier Andre Sparagano**, Uday Kishore and Arve Lee Willingham. (2023). Host-pathogen interaction in arthropod vectors: Lessons from viral infections. *Frontiers in Immunology*, section Molecular Innate Immunity (in press).
- Zeng P, Cheng Q, Yi L, Shui Yee Leung S, **Chen S**, Chan KF, Wong KY. *Bioorg Chem.* 2023 Jan;130:106251. doi: 10.1016/j.bioorg.2022.106251. Epub 2022 Nov 5. PMID: 36370649 [C-terminal modification of a de novo designed antimicrobial peptide via capping of macrolactam rings.](https://doi.org/10.1016/j.bioorg.2022.106251)
- Xu Y, Zheng Z, Ye L, Chan EW, **Chen S**. *Microbiol Res.* 2023 Feb;267:127261. doi: 10.1016/j.micres.2022.127261. Epub 2022 Nov 17. PMID: 36434989 [High prevalence of qnrVC variants in Vibrio spp. isolated from food samples in South China.](https://doi.org/10.1016/j.micres.2022.127261)
- Wu Y, Dong N, Cai C, Zeng Y, Lu J, Liu C, Wang H, Zhang Y, Huang L, Zhai W, Shao D, Li R, Liu D, **Chen S**, Zhang R. *Drug Resist Updat.* 2023 Jan 11;67:100925. doi: 10.1016/j.drug.2023.100925. Online ahead of print. PMID: 36696835 [Aeromonas spp. from hospital sewage act as a reservoir of genes resistant to last-line antibiotics.](https://doi.org/10.1016/j.drug.2023.100925)
- He W, Gao M, Lv L, Wang J, Cai Z, Bai Y, Gao X, Gao G, Pu W, Jiao Y, Wan M, Song Q, **Chen S**, Liu JH. *J Hazard Mater.* 2023 Mar 15;446:130725. doi: 10.1016/j.jhazmat.2023.130725. Epub 2023 Jan 4. PMID: 36630875 [Persistence and molecular epidemiology of bla_{NDM}-positive Gram-negative bacteria in three broiler farms: A longitudinal study \(2015-2021\).](https://doi.org/10.1016/j.jhazmat.2023.130725)
- Brualla NLM, Wilson LAB, **Doube M**, Carter RT, **McElligott AG**, Koyabu D. 2023 The vocal apparatus: An understudied tool to reconstruct the evolutionary history of echolocation in bats? *J Mammal Evol* (doi:10.1007/s10914-022-09647-z)
- Costa da Silva RG, Mishra AP, Riggs CM, **Doube M**. 2023 Classification of racehorse limb radiographs using deep convolutional neural networks. *Vet. Rec. Open* 10, e55. (doi:10.1002/vro2.55)
- Bateman-Neubert A, Elodie F Briefer EF, **McElligott AG**. In Press.
- Delayed benefits for fallow bucks: more fights decrease same day mating success, but increase matings the next day. *Animal Behaviour*
- Fayez, Mahmoud, Ahmed Elmoslemany, Ahmad A. Al Romaihi, Abdulfattah Y. Azzawi, Abdullah Almubarak, and **Ibrahim Elsohaby**. 2023. "Prevalence and Risk Factors Associated with Multidrug Resistance and Extended-Spectrum β -lactamase Producing *E. coli* Isolated from Healthy and Diseased Cats" *Antibiotics* 12, no. 2: 229. <https://doi.org/10.3390/antibiotics12020229>
- Ross, Megan, Kathryn Proudfoot, Katrina Merckies, **Ibrahim Elsohaby**, Molly Mills, Kathleen Macmillan, Shawn Mckenna, and Caroline Ritter. 2023. "Horse Housing on Prince Edward Island, Canada: Attitudes and Experiences Related to Keeping Horses Outdoors and in Groups" *Animals* 13, no. 2: 275. <https://doi.org/10.3390/ani13020275>

Service

- **Olivier Sparagano** and **Richard Shah** attended the First Hong Kong Diversity, Equity and Inclusion Summit on February 1st.

Biomedical Sciences

New External Grants

- **Prof Yu HUANG, Dr Xin DENG, Dr Xiangqian LAO, Dr Terrence LAU, Dr Gigi LO, Dr Wenjun XIONG, Dr Liang ZHANG, Dr Jian YAN** have been awarded *General Research Fund (GRF)* 2022/23 from the Hong Kong Research Grants Council (RGC) with projects commenced from 1 January 2023.

- **Prof Yu HUANG & Dr Li WANG** have been awarded *RGC Theme-based Research Scheme 2022/23* with project commenced from 1 January 2023.
- **Dr CHOW Kwan Ting** has recently been awarded the *Collaborative Research Fund (CRF) 2022/23* from RGC as a Co-Principal Investigator.
- **Dr Katie CHAN** has got a *Contract Research* recently, with the project commenced from 1 January 2023.

New publication

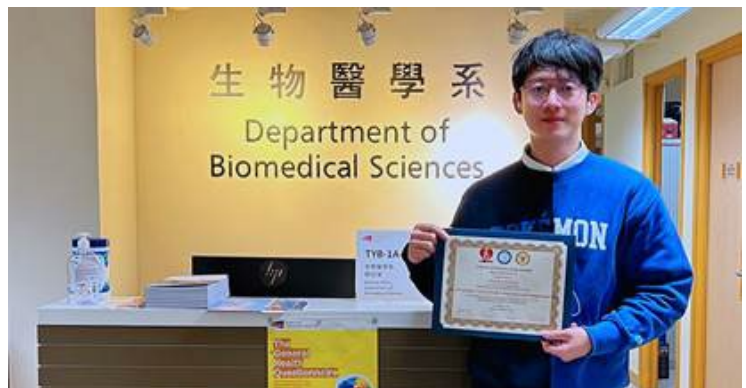
- **Prof. Michael YANG, Dr Rebecca CHIN and Dr Liang ZHANG** and his team of researchers and research students have published “*High Throughput Confined Migration Microfluidic Device for Drug Screening*” at *Small* (A+ journal) on 12 January 2023.
- **Dr. Kiwon BAN** and his team of researchers have published “*Sutureless transplantation of in vivo priming human mesenchymal stem cell sheet promotes the therapeutic potential for cardiac repair*” at *Biofabrication* (A+ journal) on 27 October 2022.

New Patent

- **Dr Xi YAO** and his team of research students have invented “A kind of high toughness, self-adhesive, self-healable flexible conductive composite material and preparation method thereof” with patents granted on 19 December 2022.

Prize/Award

- **Dr Chak Kwong CHENG (Andy)**, a RGC Postdoctoral Fellow in Prof. HUANG Yu’s laboratory, was awarded a Young Investigator Award (Second Place) at the 2022 ACRE/CAAC/CNAHA Joint Symposium which was held on 19 November 2022, co-organized by the Academy of Cardiovascular Research Excellence (ACRE), Chinese American Academy of Cardiology (CAAC) and Chinese American Heart Association (CNAHA).



Neuroscience

Research Updates

New publication:

- **Dr. Eddie MA** and his researcher have a new publication which has been accepted “Toward a cerebello-thalamo-cortical computational model of spinocerebellar ataxia.” at *Neural Networks* (A+ journal) in Feb 2023.
- **Prof Jan SCHNUPP** and his team of researchers and research students have published “Dissociable neural correlates of multisensory coherence and selective attention.” at *Journal of Neuroscience* (A journal) in 2023 (in press).
- **Prof Jan SCHNUPP** and his team of researchers and research students have published “Cochlear-implant Mandarin tone recognition with a disyllabic word corpus” at *Frontiers in Psychology* (B+ journal) on 17 October 2022.
- **Prof Jan SCHNUPP** and his team of researchers and research students have published “Thermal Pain and Detection Threshold Modulation in Augmented Reality” at *Frontiers in Virtual Reality* on 14 September 2022.

Other News:

- **Prof Guo-Qiang Bi** has given a talk on **The Multi-scale Complexity of the Brain** on 12 January.



Diversity, Equity and Inclusion (DEI)

- AVMA (American Veterinary Medical Association) Guide for Advancing Diversity, Equity and Inclusion in Veterinary Medicine
<https://www.avma.org/resources-tools/diversity-and-inclusion-veterinary-medicine>
- International Day of Women and Girls in Science (February 2023)
<https://www.un.org/en/observances/women-and-girls-in-science-day/>
- Recruiting male allies boosts women at work (September 2022)
<https://phys.org/news/2022-09-male-allies-boosts-women.html>

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