

COLLEGE COURIER



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PRESIDENT'S MESSAGE

This is a very busy and productive time of the year for the College. It is with much excitement that we complete our preparations for the 2017 Membership and Fellowship examinations with over 200 Membership candidates and 22 Fellowship candidates enrolled to sit examinations in a broad range of subjects. We are indebted to our hard working team in the College office, including the Examinations Officer, Ms Robyn Pettigrew and the Chief Examiner, Dr Tias Muurlink with the Board of Examiners who have worked tirelessly to ensure that the quality and integrity of the examinations is not compromised. Examinations are our core business and we have an obligation to all candidates to ensure that all examinations are robust and the examination process is transparent and fair. We are equally indebted to the many College members who volunteer as examiners and reviewers. The College Council would like to extend their gratitude to those individuals that make such a significant voluntary contribution to ensure the success of the examination process.

An integral component of the College year is Science Week and from July 6 to July 8, 2017, a number of Chapters will be offering different streams of advanced and comprehensive continuing specialist education covering a range of topics for the veterinary delegate. Please visit the College website and check out the Science Week program www.anzcvsc.org.au. Science Week provides a perfect opportunity to catch up with colleagues and friends in your specialty as well as supporting your Chapter's scientific program. This year we have an exciting plenary session from an internationally renowned speaker. Dr Fernando is a clinical psychologist and has a reputation for delivering both entertaining and thought-provoking material about the definition of happiness; we would strongly encourage all members to attend.

Meanwhile College Council have been busy on behalf of members. A new electronic marking scheme has been developed by an external consultant, Integral Technology Solutions, working closely with the College Executive Officer, Mr Kim Hudson in conjunction with the Examinations Officer and the Chief Examiner and will be introduced for all components of the examinations at Science Week, 2017. This new system is convenient and easy for examiners to use and will markedly improve efficiency as well as providing greater scope for examination reporting and analysis in the future.

The new Finance and Risk Committee (FRC), composed of current Council Treasurer, Dr Bruce Smith and the current Council Secretary and New Zealand representative, Dr Wayne Ricketts will hold its inaugural meeting at Science Week this year. Dr Ken Crofts, an external expert in financial governance and risk management has been appointed to the committee for a one year period. The FRC has been chartered to safeguard high standards of corporate governance and management in the conduct of the financial business of the College. Council's fiduciary role is to approve the business plan and budget, monitor organisational and financial performance, ensure sound financial management practices are in place, monitor risks and protect the College's assets. The FRC assists Council in discharging its responsibilities with respect to overseeing all aspects of financial management and reporting, control and audit functions and monitoring and reporting on risks.

College Council is pleased to welcome Dr Rachel Tan BVSc DVCS MANZCVS CertVetAc (CSU) MS Dip ACVIM Grad Cert Ed as the new Project Officer. This position has been developed to support the Board of Examiners in exploring several aspects of the examination in scientific detail with view to future modification and improvements. Membership examinations are a core component of the ANZCVS and membership of the College, through examination, signifies a high level of interest and competence in a given area of veterinary activity. The first project will evaluate objective quantitative and qualitative data upon which to determine the validity of existing exam processes and the second project will evaluate objective quantitative and qualitative data to determine the perceptions of membership amongst stakeholders. Surveys are about to be distributed to a number of stakeholders including College members, veterinary employers, veterinarians and veterinary students. We would strongly encourage all College members to participate and encourage your colleagues to do the same. The third project has developed material to assist examiners and candidates prepare for and undertake the oral examination. This project is in an advanced stage with "packages" for both examiners and candidates in review for final approval and publication. The candidate package will include a photographic and video guide to exam room format and mock examination. This component of the candidate package is scheduled to be completed at Science Week this year. We look forward to communicating further information about these initiatives as they progress. Dr Tan will be present at Science Week and we encourage members to introduce themselves and make her feel welcome.

Council is pleased to announce the formation of a new Chapter of Veterinary Public Health. The Chapter Executive are Dr Bob Biddle (President), Dr Allen Petrey (Secretary), Dr John Tulloch (Treasurer) and Prof. Emeritus Mary Barton (Chair of CEC) with Dr Kevin Doyle (Science Week Co-ordinator) and Prof. Michael Reichel (Committee Member) also elected. Council looks forward to this new Chapter developing a Science Week program and a Membership examination in Public Health.

I would like to finish by thanking every individual contributing to the College community; at this time of the year we have to thank our hard working College office staff including the College Manager, Mrs Elaine Lowe and the College Manager Designate, Dr Mary Anne Hiscutt and the Assistant College Manager, Ms Sharon Tinsley, who are gearing up for Science Week and our Chief Examiner, Dr Tias Muurlink and the Board of Examiners who have been overseeing the review of all components of the examination. The College relies on the volunteer efforts of their members and whether you participate as a Chapter Executive, website administrator, Science Week convenor or on a Chapter Examination Committee; in an examination or review team; or as an examiner or speaker, we thank you for your contribution. To all the examination candidates for this year, I wish you the best of luck.

Regards,
Mandy



THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS SCIENCE WEEK CONFERENCE

6th–8th July 2017
at the QT Hotel, Surfers Paradise Gold Coast

A great opportunity exists for you to be part of this valuable integrated multi-stream programme, with ample time to interact socially and scientifically with key members of the profession from Australia, New Zealand and beyond, in the following disciplines:

Anaesthesia and Analgesia

Animal Welfare

Dermatology

Epidemiology

Feline

Pharmacology

Radiology

Small Animal Medicine

Animal Reproduction

Cattle

Emergency and Critical Care

Equine

Oncology

Pathobiology

Surgery

Veterinary Behaviour

College Science Week is the flagship event of the ANZ College and presents material from the CUTTING EDGE, including scientific and clinical updates from Australian, New Zealand and overseas experts.

This year's conference will feature a plenary by consultant psychiatrist and sleep and insomnia specialist Dr Tony Fernando that will be relevant to all practitioners, on how we need to understand how our own minds and emotions work before we can manage our stress and happiness.

As always this meeting is NOT RESTRICTED to College Members – all Veterinarians are welcome. We have, however, been advised by the venue management that registration numbers are limited to 500.

Details of the full programme and registration are available on the College website www.anzcvs.org.au or from the College office telephone +61 (0)7 3423 2016, fax +61 (0) 7 3423 2977 or email admin@anzcvs.org.au



PROJECT OFFICER'S REPORT

Project officer role

In late March this year, the role of project officer was implemented to progress projects developed as part of the Board of Examiners Strategic Plan. Currently, the focus of this position is four major projects:

1. A review of the consistency and validity of membership examinations
2. A review of the perception of membership examination and its value
3. The development of materials to help examiners and candidates prepare for oral examination
4. The development of an electronic results recording system for examinations

Significant progression has been made on all projects with anticipated release of oral examination materials for examiners and candidates to be announced in the next College Courier.

Survey for Project 2 – Help requested!

Membership examinations are a core component of the ANZCVS. Membership of the College, through examination, signifies a high level of interest and competence in a given area of veterinary activity. This project aims to evaluate objective

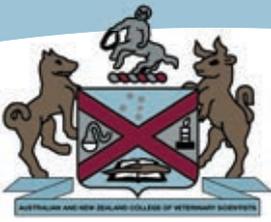
quantitative and qualitative data to determine the perceptions of membership amongst stakeholders. To be able to gather this information, we are recruiting veterinarians, veterinary students, employers and veterinary clients to complete a short survey. You may have already received an email, or will shortly do so, with web links to the survey. In addition an introductory email with survey links will be attached for consideration to distribute to your clients. As veterinarians and/or veterinary employers, we would appreciate if you can take 5 minutes to complete the survey at <https://www.surveymonkey.com/r/anzcvsvI>.

Veterinary students can complete a similar survey at <https://www.surveymonkey.com/r/anzcvsvS> and veterinary clients at <https://www.surveymonkey.com/r/anzcvsvC>. The information gathered is anonymous and will be used to design strategies for further growth and development of veterinary education.

I appreciate your support with these projects and look forward to meeting many of you at Science Week this year. Please contact me with any questions about any of the above projects.

Thanks, Rachel

Dr. Rachel Tan, Project Officer, po@anzcv.org.au



CHAPTERS

Veterinary Public Health

Once again the Australian and New Zealand College of Veterinary Scientists has a Veterinary Public Health Chapter. The Chapter's inaugural general meeting was held Tuesday 28 March via teleconference with the election of office bearers and the chair of the Chapter's education and examination committee.

Bob Biddle MANZCVS former Australian Deputy Chief Veterinary Officer was elected as president, John Tulloch FANZCVS as Treasurer, Allen Petrey MANZCVS as secretary, Kevin Doyle AM MANZCVS as Science Week co-ordinator, Emeritus Professor Mary Barton AO FANZCVS as chair of the Chapter Examination Committee (CEC) and Professor Michael Reichel FANZCVS as a member of the Executive Committee.

The aim of the Chapter is to advance the professional education and training of veterinarians in VPH, encourage research and facilitate the exchange of knowledge and collaborative efforts with others working in VPH and related fields.

The Chapter Executive is mindful of the tasks ahead of it to establish a functional Chapter and while presently busy setting up the house keeping aspects of a functional chapter viz bank accounts, budgets etc is mindful of the expressed interest in VPH membership from some 50 colleagues surveyed by the NZVA Food Safety Animal Welfare and Biosecurity special interest branch and the AVA Veterinary Public Health special interest group in 2016.

As members of the CEC, Professors Barton and Reichel will lead in the establishment of the arrangements for membership and fellowship by examination. The College has set a high bar for its qualifications and in more recent years developed extensive learning resources and mentoring systems within the Chapter system.

The VPH Chapter is planning to use College mechanisms available to it to augment its current 6 person committee and emulate the educational and examination standards achieved by its fellow Chapters.

Firstly, it will invite foundation membership from the College membership who believe they can assist the Chapter in advancing its veterinary public health goals. Secondly, it will look to the provisions that allow for Associate and Affiliate membership of College Chapters. Associate Membership is open to specialist veterinarians residing in Australia and New Zealand who are Diplomates of the UK, European

and American Colleges. Affiliate Membership is open to non-veterinarians who have demonstrated a strong interest and service in spheres related to the aims and activities of a Chapter.

And while both mechanisms will strongly support the moves necessary to build the Chapter's educational resources and examination systems it will take time.

Opportunities are increasing for veterinarians to contribute not only to the traditional domains of veterinary public health but also other aspects of public health. The Chapter acknowledges the opportunities arising from a One Health approach in this regard, and additionally, is cognisant of the benefits afforded by related conceptual frameworks such as Planetary Health and Global Health.

The Chapter's Executive whole-heartedly supports the desire embodied in the objectives of the College that a new younger demographic of membership becomes actively involved in the future of the Chapter.

Allen Petrey
for the Executive Committee
VPH Chapter
ANZCVS

Veterinary Oncology

The Oncology Chapter has exciting plans for this year's Science Week.

Firstly we are fortunate to have Dr Phil Bergman presenting a number of talks during the conference. Phil is a brilliant speaker; anyone with an interest in Oncology should make time to attend at least one of his presentations.

Secondly, on the Saturday all Australian Oncology residents will be giving comparative presentations on a common veterinary cancer or syndrome and relating it to the human disease. Everyone is most welcome to attend.



CHAPTERS

Feline Chapter

The Feline Chapter has once again been busy preparing for College Science Week and the year ahead. Behind the scenes, the executive and other contributors have been working hard preparing Examinations in both Membership and Fellowship (the first time Fellowship Examinations will be held in Feline Medicine since 2012), and working on our joint projects with ISFM. On behalf of the chapter, I would like to thank the Examiners and CEC Liaison members for their hard work in producing the examinations.

College Science Week promises to be another fabulous conference. Thanks to Dr Richard Malik who has put together an excellent program. This year the Feline Chapter is teaming with the Small Animal Medicine Chapter to provide a program covering a broad range of topics - from research in clinical practice to "One Health" in Small Animal Medicine. On Saturday, the program is dedicated to the memory of Professor Rick Speare AM, whom many will know as a pioneer of Public Health and "One Health" Medicine. We trust that our members will enjoy the program and will gain a great deal from the presentations.

As the Chapter continues to grow, we are now (as ever!) in need of additional volunteers to further the aims of the chapter. After 2 years serving as Secretary of the Feline Chapter, Dr Andrea Harvey will retire at Science Week. I would like to take this opportunity to personally thank Andrea for all her hard work for the Chapter, the standout of which was organising a spectacular Pre-Congress Feline Masterclass in 2016, and to wish her well as she completes her PhD. We certainly hope that Andrea will remain an active member of the Chapter and look forward to welcoming her back to the Executive when time permits.

In addition to Andrea's retirement, Dr Audra Turner who has served as Chapter Treasurer for the past 2 years, will make a sideways move to a newly created position, being a Chapter Liaison for UK Members of the Feline Chapter. We thank Audra for her fabulous work as Treasurer and look forward to working with her in her new role. With

these changes, and as we look to progress our projects further, there are a number of positions available on the Executive:

- **Chapter Secretary**
- **Chapter Treasurer**
- **Chapter Website Co-ordinator**
- **Chapter Project Officer**

If there are any members who would be interested in becoming active in the Chapter, in any of these positions or in any other capacity, we would welcome their contributions and would urge them to contact me: katherine.anne.briscoe@gmail.com.

The Chapter AGM will be held at 2.30 p.m on the Friday of College Science Week, and we would be excited for all members to attend.

As always, we welcome feedback on Chapter activities, and if there are any suggestions as to how we can improve our member benefits we would love to hear them. We sincerely hope that our members enjoy the CSW program, and look forward to the year ahead.

Warm wishes

- Kath Briscoe (President)***
- Andrea Harvey (Secretary)***
- Mary Thompson (Vice President)***
- Audra Turner (Treasurer)***





CHAPTERS

Ophthalmology Chapter

In July 2017, the Ophthalmology Chapter will hold its annual meeting in Darwin. The Pharmacology Chapter is very excited to have Dr Lauren Trepanier as the keynote speaker.

Darwin is the Northern Territory's multicultural capital, famous for its markets and festivals, Asian cuisine and beautiful natural harbour. It serves as the gateway to the natural treasures of World Heritage-listed Kakadu and Litchfield National Parks as well as the Tiwi Islands.

Kakadu National Park is the largest national park in Australia and is renowned internationally for its natural and cultural wonders. It boasts a superb array of flora and fauna with one of the highest concentrated areas of Aboriginal rock art sites in the world. Other areas to explore include the Katherine region where a vast network of rivers, escarpments and gorges weave through sprawling plains of cattle stations, national parks and reserves. In Nitmiluk National Park,

the mighty Katherine River slices through towering sandstone cliffs to form the world famous Nitmiluk (Katherine) Gorge.

Our guest speaker is Dr Greg Moloney a world renown human corneal and ophthalmology surgeon. His lecture topics are, the evolution of endothelial transplantation, keratoprosthesis surgery, the search for the perfect artificial cornea, advances in the treatment of corneal ectasia, cross linking and advanced surgical techniques including stem cell update.

This is the perfect opportunity for all those interested in veterinary ophthalmology to catch up with colleagues and to discuss all things eye related.

We hope to see you there!

Dr Anu O'Reilly
Secretary for the Veterinary Ophthalmology Chapter

Animal Reproduction

With Science Week 2017 just around the corner, John Watts and his organising committee have put together a diverse and exciting animal reproduction stream that should appeal to everyone. We have speakers representing equine, small animal, cattle and general reproduction. Dr Bodil Ström-Holst, a world-renowned specialist in small animal reproduction from Sweden, will be leading the small animal section and will be presenting the latest research on reproductive endocrinology and diagnostic challenges, as well as dystocia and an update on herpesvirus in dogs. In the general reproduction section, we will have Prof Justin St John from Monash University presenting on the use of advanced reproductive technologies for enhancing animal production traits. In addition, we have Dr Zamira Gibb from the University of Newcastle providing us with an update on sperm preservation. As well as these speakers, we

have a variety of clinicians and researchers presenting case-reports and research summaries. It should be an exciting programme! Check it out on the College website.

At this year's chapter AGM, the current committee will be handing over the reins to a new committee. If any current chapter members are keen, willing and able to join our committee, please get in touch with me at dhanlon@matavet.co.nz to discuss the wide variety of roles and responsibilities on offer as a committee member. The growth of our chapter relies on new, enthusiastic members to foster its growth.

See you all at the Gold Coast in July.
Dave Hanlon



CHAPTERS

Veterinary Anaesthesia and Analgesia Chapter

The Veterinary Anaesthesia and Analgesia Chapter are fired up and ready to go for Science Week 2017 with the program finalised and available on our Chapter website. Our program will run all day Friday 7th and Saturday 8th July. Equine anaesthesia is a strong theme this year and will be the topic of talks on Friday morning and Saturday afternoon, covering standing surgery, foal anaesthesia, ventilation, and geriatric anaesthesia. These sessions will be delivered by several well-respected specialist veterinary anaesthetists currently working in Australia: Dr Sebastien Bauquier, Dr Chris Quinn, Dr Martina Mosing, Dr Luis Santos, and Dr Geoffrey Tuchetti. Additionally, we will combine with the Radiology Chapter on Friday afternoon for sessions discussing the impact of anaesthesia and sedation on image acquisition, the challenges of anaesthesia for MRI, and an

update on the use of contrast media. Saturday morning will consist of research abstract presentations, and our AGM will be held after lunch on Saturday. Finally, we will wrap up the conference with a lively debate on equine anaesthetic recovery led by Drs Martina Mosing and Keely Wilson.

We have recently set up a public Chapter page on Facebook and already have 280 followers. Please visit the Facebook page "Anzcvs Veterinary Anaesthesia & Analgesia Chapter" to stay up to date with our news and information.

Animal Welfare

The Animal Welfare Chapter Science Week Program is based on the theme 'One Welfare - key drivers and new technologies'. The concept of One Welfare recognises the interconnections between animal welfare, human wellbeing and the environment and builds on the approach of the One Health theme used for human and animal health.

Speakers will address this topic, what is driving the concept and how new technologies can be useful in improving animal welfare and human wellbeing. There will be presentations on a wide range of 'One Welfare' topics relating to a wide range of animals, from cats to fish, lab animals and cattle and even some animal law.

The Chapter has over 60 members with five new members in 2016. Membership exams in Animal Welfare will be held again in 2018 and the exam guidelines and reading list have been newly updated. These will shortly be available on the College Webpage. The updated guidelines now include the requirement that candidates have a basic knowledge of Veterinary Professional Ethics.

Whilst animal ethics deals with the moral issues surrounding the use of animals, veterinary ethics are concerned with how veterinarians make decisions and act as professionals for the provision of veterinary care. In this process of professional decision-making,

veterinarians will frequently need to consider issues of animal ethics, but their professional ethics necessarily include and go beyond these concerns. The law and codes of conduct relating to veterinarians provide an ethical framework to ensure that veterinarians work in an ethical environment.

Dr David Bayvel, who died in 2015, was one of the world's pre-eminent experts in the fields of animal welfare and veterinary science. David believed that veterinarians should have a leadership role as advocates for animals and had a long and illustrious career with the NZ Govt, the OIE and lastly as Chief Veterinary Advisor for World Animal Protection. He made an outstanding contribution to animal welfare worldwide and received several prestigious awards. An award in David's name was established in 2015 and with the support of the Chapter awarded by World Animal Protection. The worthy recipients of this award have been Professor Andrew Fisher in 2015 and Dr Helen Byrne in 2016.

The Animal Welfare Chapter has now taken on this award and it will be next awarded in 2018 in line with the membership exams.

Tanya Stephens BVSc MSc IAWEL MANZCVS.

Secretary Animal Welfare Chapter.



CHAPTERS

Pharmacology Chapter

The Pharmacology Chapter is very excited to have Dr Lauren Trepanier as the keynote speaker for this year's Science Week conference. This year's theme for the Pharmacology Chapter is "*Veterinary Pharmacology - Back to Basics*" and Dr Trepanier's talks are essential for both clinical practitioners and industry vets who are involved with veterinary drugs on a daily basis.

Dr Trepanier graduated with distinction from Cornell University and completed an internship and residency in small animal internal medicine at the Animal Medical Center in New York. She then obtained a PhD in Pharmacology, also at Cornell. She is Professor of Internal Medicine and Director of Clinical Research at the University of Wisconsin-Madison School of Veterinary Medicine. She manages internal medicine referral cases, trains students, interns, and residents, and conducts research on the genetic and metabolic bases of adverse drug reactions. Dr Trepanier is board certified in both Internal Medicine and Veterinary Clinical Pharmacology. She has received both the Pfizer Award for Research Excellence and the Pfizer Distinguished Teacher Award at UW-Madison.

Dr Trepanier will be presenting on the Thursday and Friday of Science Week and below is a short overview of her topics:

1. Top ten potential drug interactions in dogs and cats

This talk will review what is known about common drug interactions in dogs and cats, and make recommendations to avoid potential loss of efficacy or drug toxicity.

2. Empirical antibiotic therapy – making decisions without a culture

This session will provide guidance on avoiding overuse of antibiotics, practical ways to confirm the need for an antibiotic when culture is not affordable, and choosing the best antibiotic based on type and location of infections.

3. Drug dose adjustment for disease

When should you reduce the dosage of a given drug in patients with kidney, liver, or cardiac disease? This presentation will provide tips for making these clinical decisions.

4. Idiosyncratic drug toxicities

How can you monitor for and manage unexpected drug toxicities in your patients? This presentation will focus on commonly used drugs that can cause idiosyncratic liver, skin, or bone marrow toxicity in dogs and cats, and how to monitor, prevent, and manage suspected reactions.

5. Rational use of pre-surgical antibiotics

This talk will review recommendations for the use of perioperative antibiotics in your patients, based on evidence from a large number of studies in humans, dogs, and cats, and will provide advice on antibiotic choice, timing, and duration of treatment.

6. NSAIDs: comparative toxicity and drug interactions

NSAIDs (non-steroidal anti-inflammatory drugs) are one of the most commonly used drug classes in veterinary patients. This presentation will cover which classes of NSAIDs are most likely to cause side effects in patients with gastrointestinal, renal, or clotting disorders, and will review common NSAID drug interactions.

In addition to Dr Trepanier, we are also extremely fortunate to have Dr David Foster from The University of South Australia presenting on modelling in biological science. Dr Foster is a Senior Lecturer at the University of South Australia (UniSA) in the School of Pharmacy and Medical Sciences. His research focusses on using modelling and simulation (pharmacometrics) to define the physiological basis of drug disposition and response in order to translate clinical research into improved pharmacotherapeutic use. Dr Foster has been involved in conducting and evaluating pharmacokinetic, pharmacodynamic and pharmacometric research resulting in 65 publications with over 1000 citations, in addition to many industry and government consultancies.

While modelling and simulation is increasingly becoming commonplace in understanding human health and pharmacotherapy, this is not yet the case for veterinary research. This has led to recent calls in the veterinary literature to address this deficit and apply pharmacometric analyses to advance the welfare of animals. Dr Foster's talk will give a broad overview of what modelling and simulation is, with an emphasis on population modelling, and provide examples of applications in the veterinary sphere.



CHAPTERS

Dermatology Chapter

The Dermatology Chapter has a full 2-day program as part of Science Week for 2017, with an exciting array of esteemed speakers that will appeal to specialist and generalist veterinarians with an interest in Dermatology.

The major theme is Infectious Dermatoses, with a focus on antimicrobial resistance, including the 'hot' topics of methicillin-resistant *Staphylococcus pseudintermedius* (MRSP), and resistant bacteria in otitis. Speakers include Kate Worthing from University of Sydney undertaking a PhD on antimicrobial resistance with Jacqui Norris, Vanessa Schmidt who is a veterinary dermatologist from the UK, originally from Qld, who has completed a PhD on antimicrobial resistance, and two Australian dermatologists, John Hutt (Qld) and David Robson (Vic) to provide the current clinical perspective in Australia. Treatment options will be explored, hearing from Vanessa further on resistant otitis options, from Richard Squires (internal medicine specialist from UK who now works at JCU in Qld) on bacteriophage therapy, and a round-table discussion forum on MRSP which is sure to be lively and informative.

There will also be some great updates on challenging rarer infectious dermatoses given by some masters in their fields, with fungal and protothecal diseases by Richard Malik, and papillomaviruses in dogs and cats by John Munday from NZ.

The program will end with another 'hot' topic: Apoquel. We will hear again from Vanessa Schmidt with the UK perspective, followed by a round-table discussion to share experiences between the Australian, NZ, and UK Dermatologists.

It is sure to be an informative and exciting Dermatology Meeting, packed with clinically relevant information for dermatologists and general practitioners alike.

The Dermatology Chapter would like to acknowledge Royal Canin Pacific and Elanco Animal Health as gold sponsors of the Chapter for 2017/2018.

Sponsorship funding allows the Dermatology Chapter to carry out high quality educational activities, including invitation of international speakers for the Dermatology Chapter Meeting at Science Week, and development of a range of educational materials to support higher standards of veterinary dermatology in Australia and internationally. These activities all help to improve the standard of care of veterinary dermatology and the health of our animal patients in Australia.

Cattle Chapter

The Cattle Chapter would like to thank Natasha Lees who has done a fantastic effort in getting some webinars organised for membership candidates. We would also like to thank those members who have presented the webinars. The webinars are available on the chapter website and both members and candidates are able to view them.

We also have another exciting program planned for Science week this year. The theme of the conference "Building the future – management of calves and heifers". The keynote speaker is Sandra Godden. Sandra is from the University of Minnesota, and is internationally recognised for her work in calf health and mastitis. There are several other speakers on dairy calf management including Gemma Chuck who will focus on the impact of colostrum management and early life events on lifetime productivity. There are also several presentations on mycoplasma both in calves and the feedlot. Gastrointestinal parasite management will be discussed by Matt Playford and Steph Bullen. Our other keynote speaker is Vic Cortese who will present on both developing immunity in calves and immune suppression in cattle. There will be a BRD Research update by John Morton and Tim Mahony and the Emerging scientists stream with several speakers presenting on the latest results from their post-graduate research. To top it off Mark Burgemeister will present a 90 minute workshop on 'The Art of War!' - Applying Sun Tzu's Bing Fa ('Sun Tzu's - The Art of War') to the strategy of leading and working with teams. Have a look at the program you have received – we are sure that you will find something there to stimulate your interest and tempt you the sunny Gold Coast in July. If you are a senior practitioner we would also appreciate you telling your associates as **you don't have to be a member** to come to Science week.

Hoping to see you in July

Alison Gunn

Cattle Chapter President



CHAPTERS

Surgery Chapter

As the weather cools, we turn our attention once again to Science week. The week when we all compete for leave, our practices run skeleton staff and yet we seem to get busier as our competitors wind down their practices to attend.

This year the surgery chapter main programme will combine with the emergency and critical care (ECC) chapter to present a diverse and exciting series of lectures with topics including abdominal emergencies, the controversial and current trends in managing brachycephalic airway patients, antimicrobial therapies, dog fight trauma, wound and open fracture management. There will also be several interactive panels with speakers from both surgical and ECC fields. Our speakers include both local and overseas specialists and include Dr Jane Sykes from UC Davis, and Dr Kat Crosse from Massey University. The ever popular young speakers forum will also return on Friday. Also, on Saturday, we welcome solicitor Katie Wren who will present a must see lecture on the avoidance and management of veterinary medicolegal issues with focus on the emergency setting, a common source of client complaints against veterinarians.

On the Wednesday prior to the main programme, once again the preliminary day for surgical specialists, residents, registrars and other surgical trainees will be held, which we encourage all specialists and their trainees to attend. In the morning local specialists will present case reports and literature reviews, with the afternoon reserved

for 2 keynote presentations - the first from Dr Jane Sykes on new innovations and strategies for managing surgical site infection and the second from Dr Bent Higgins, from Vetspecs in Christchurch NZ and Ossability, on the topic: "To Err is Human: Using Technology, Systems and Culture to Reduce Error in Healthcare".

On Sunday, following the main programme, 2 workshops are planned. Veterinary Orthopaedic instrumentation (VOI) will present a locking plate workshop and the Ossability team will present a TTA workshop. Information and registration information will be available in the coming weeks.

We look forward to welcoming all our surgery chapter members as well as our ECC colleagues to what should be a very exciting and informative programme.



THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS SCIENCE WEEK EPIDEMIOLOGY CHAPTER **PRE-CONFERENCE WORKSHOP**

FOUNDATION PRINCIPLES IN R - WORKSHOP **PETER THOMSON SHUMAILA ARIF**

3rd–5th July 2017
at the **QT Hotel, Surfers Paradise**

Some background on R

The computing and statistical package R (<https://www.r-project.org/>) has become very popular globally, because of the extensive range of statistical analysis functions, data management capability, and exceptional graphics. It is also freely available to the world community, and continues to be expanded, having just reached 10,000 additional packages being made available, with a broad range of applications (e.g. genetics, epidemiology, spatial analysis, text mining). There are also a huge number of resources for learning about how to use R, and most modern textbooks of applied statistics now illustrate applications using R in preference to other packages. An important feature of R is that it is command-driven, i.e. it is run by using code rather than being a menu-based system. While this may seem difficult, and takes a little more time to learn than a menu-based 'point and click' interface, there are substantial benefits of this approach, and code can be often re-used or modified for different applications.

The three-day workshop to be held in conjunction with Science Week will provide a "hands on" introduction to using R. The emphasis in this workshop will be on using R rather than on statistical methodology, so some familiarity with statistical procedures is assumed.

At the completion of this workshop, participants will be able to:

- Input and output data files to / from R, and perform basic data manipulations
- Undertake descriptive analyses in R (numerical and graphical)
- Fit linear models in R, as well as some extensions (e.g. logistic regression)
- Be able to produce publication-quality graphs in R
- Undertake basic programming tasks in R, including looping construction of functions

Interested? Now is a great time to get started!

Who will benefit from this workshop?

- Researchers working with large and complex data sets
- Those who want access to high-quality graphics and cutting-edge statistical techniques
- Those who want high-quality free software
- Anyone who wants to be part of an increasing world-wide trend in the way data are analysed



PRE-CONFERENCE WORKSHOP

FOUNDATION PRINCIPLES IN R - WORKSHOP

Workshop details

The workshop will run over three days. A final course schedule will be provided to the participants after registration as we aim to tailor the workshop to the background and experience of our participants. A draft program follows.

Day 1

- Introduction to R
- Basic calculations in R
- Importing data from files, exporting data to files
- Types of data: vectors, matrices, data frames
- Descriptive analyses: numerical and graphical
- Simple analyses: e.g. t-tests; chi-square tests, exact tests

Day 2

- Analysis of variance (ANOVA)
- Regression modelling: linear and logistic
- Assessing model fit
- Linear mixed models for clustered data[†]

[†] Depending on the interests of participants and progress during the day

Day 3

- Introduction to programming in R: looping, logical structures
- Writing functions in R
- Making publication-quality graphics
- Additional types of models: e.g. nonlinear models, survival analysis, ordinal analysis[‡]
- Discussion and analysis of own data sets[‡]

[‡] Depending on the interests of participants, the final session could cover either of these topics

Speaker Biographies

Peter Thomson is an Associate Professor in Biometry at The University of Sydney, having spent most of his career working in the application of statistical methodology in the veterinary, animal and agricultural sciences. He has extensive teaching experience in applied statistics, including teaching of R, both locally as well as overseas in international agricultural development projects. He will be leading these sessions.

Shumaila Arif is a veterinarian from Pakistan, and is currently undertaking a PhD at Charles Sturt University in Wagga Wagga, studying the epidemiology of brucellosis in smallholder dairy farms, particularly through a 'one health' approach. She has had a strong quantitative emphasis in this research, and has used R from the beginning of her studies. Shumaila will be assisting with the 'hands on' sessions.

Limited enrolment

This workshop will be interactive and involve group discussions and activities. As a result there will be limitations on the number of people who will be able to attend. Interested participants are urged to enrol early to ensure they will be able to attend.

Registration and price details

ANZCVS Member, Student, Candidate preparing for membership exams

Early Bird (up to 28.04.17) _____ \$825
After 28.04.17 _____ \$925

Non ANZCVS member

Early Bird (up to 28.04.17) _____ \$975
After 28.04.17 _____ \$1075

The registration fee includes notes, morning and afternoon teas and lunches.

A registration form is attached.

For more information about this course, please contact:

Marta Hernandez-Jover mhernandez-jover@csu.edu.au



AUSTRALIAN AND NEW ZEALAND COLLEGE
OF VETERINARY SCIENTISTS SCIENCE WEEK - EPIDEMIOLOGY CHAPTER

PRE-CONFERENCE WORKSHOP REGISTRATION

Foundation Principles in R - Workshop

3rd-5th July 2017 – QT Hotel, Surfers Paradise

SURNAME: _____ FIRST NAME: _____

ADDRESS: _____

PREFERRED NAME FOR TAG: _____

TELEPHONE NO: _____ FAX NO: _____

EMAIL ADDRESS: _____

COLLEGE MEMBER: YES NO

DIETARY REQUIREMENTS: _____

TAX INVOICE - ABN 50 000 894 208

I will be attending the workshop and enclose (please tick box) in payment:

**ANZCVS Member, Student, Candidate
preparing for membership exams**

Early Bird (up to 28.04.17) _____ \$825

After 28.04.17 _____ \$925

Non ANZCVS member

Early Bird (up to 28.04.17) _____ \$975

After 28.04.17 _____ \$1075

(Cost is in total Australian Dollars including GST)

Direct deposit is the preferred mode of payment:

ACCT NAME: Australian and New Zealand College of Veterinary Scientists Epidemiology Chapter

BSB: 032729 **ACCOUNT NUMBER:** 174503

Please include your surname in the payment reference. Overseas participants, please be aware of bank charges and exchange rates to ensure the correct fee is paid.

Cheque payable to:

Australian and New Zealand College of Veterinary Scientists-Epidemiology Chapter

Bankcard / Mastercard / Visa (2% administration charge for credit card payments)

CARD NO: _____ EXPIRY DATE: _____ CW _____

NAME ON CARD: _____ SIGNATURE: _____

Please forward registration and payment by email (preferred) or post to:

Francette Geraghty-Dusan
474 Plains Road, Hoskinstown, NSW, 2621

francettegd@yahoo.com

Invoices will be processed monthly



EXECUTIVE OFFICER COLUMN

Examination Results Recording System

As you will have read in the President's message, the College will be using the Electronic Results Recording System for the first time this year. The ERRS has been developed by Integral Technology Solutions, and promises to streamline the entire examination marking system, introduce a higher level of consistency in marking, save considerable time post-examination when providing feedback to Candidates, and provide the Board and Council with instant reporting on comparative results.

I would particularly like to thank all examiners who assisted with the testing runs that we initiated; your involvement and feedback has been invaluable to developing the system. I would also like to thank our Examinations Officer, Ms Robyn Pettigrew, who has been integral to developing and testing the ERRS, all while continuing to prepare this year's examinations.

Council elections & AGM

The current three year terms of Dr Mansfield and Dr Ricketts are due to expire at the AGM in July. As both renominated, and there are no other candidates, there will not be the usual election ballot this year. Instead their reappointment can be confirmed at the AGM, to be held at the QT Hotel, Sunset Room, Friday 7th July from 5:30pm. If you are attending Science Week this year, or are otherwise at the Gold Coast, please try to come along to this important meeting.

Science Week is coming...

Links to the 2017 Science Week program and registration/payment are now available on the College website. If you're planning to go and you haven't booked your registration, travel and accommodation, it's time to do so!

It also means that examinations are imminent - as the College largely relies on volunteers to create and run examinations, I'd like to thank all those people who are currently making extra space in their work and private lives to help deliver this essential College function. The College simply couldn't achieve this without your efforts.

And as always, good luck to those undertaking examinations this year!

DOUBLE X-RAY VIEWERS TO GIVE AWAY

The College has 6 double X-ray viewers (most with a hotlamp) that are no longer used, to give away for free. Anyone who wants one will be required to arrange collection from the College Office in Brisbane. Given their fragile nature, transporting them by courier might be problematic, but if you are willing to risk it you are welcome to try. The viewers are approximately 800 x 500 and are in separate cardboard boxes. If you're interested (or you have any ideas on organisations that might be interested) please contact the College office on 07 3423 2016 or email eo@anzcvs.org.au



CONTACTS

Executive Officer: Mr Kim Hudson

College Manager: Mrs Elaine Lowe

College Manager Designate: Dr Mary Anne Hiscutt

Examinations Officer: Ms Robyn Pettigrew

Assistant College Manager: Miss Sharon Tinsley

COUNCIL

President: Dr Amanda Burrows

Chief Examiner: Dr Tias Muurlink

Honorary Secretary: Dr Wayne Ricketts

Honorary Treasurer: Dr Bruce Smith

Past President: Dr Caroline Mansfield

Councillor: Dr Philip Moses

Awards Committee Convenor: Dr Zoe Lenard

BOARD OF EXAMINERS

Chief Examiner: Dr Tias Muurlink

Asst Chief Ex (Tr. & Cred.): Dr Peter Bennett

Asst Chief Ex (Exam): Dr Carolyn Guy

Dr Sharanne Raidal

Dr Katherine Briscoe

Dr Gabby Musk

Dr Stephen Atkinson

Dr Linda Abraham

Dr Jennifer Carter

Dr Amanda Burrows (President – ex officio)

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Telephone: (07) 3423 2016

Fax: (07) 3423 2977

Email: admin@anzcvs.org.au

Website: www.anzcvs.org.au

College Apparel

COLLEGE MERCHANDISE

T SHIRTS \$A25.00 INCLUDING GST
VESTS..... \$A35.00 INCLUDING GST
SILK SCARF \$A20.00 INCLUDING GST
TIES \$A45.00 INCLUDING GST
PENS \$A15.00 INCLUDING GST
(Merchandise orders will incur postal charges)

**Contact the College office to place your order:
(07) 3423 2016**