



International Association for Aquatic Animal Medicine

IAAAM News

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MESSAGE FROM THE PRESIDENT:

Greetings and salutations. I hope everyone is doing well. The hectic holidays are over. A polar vortex has brought on the coldest, snowiest winter in decades for many in the United States, but Spring is near. The IAAAM 2019 annual conference is also near and we continue to work on the conference details. Registration is open (thank you, Cindy Sherwood), abstracts are in (thank you, Katie Colegrove and Allison Tuttle) and two exciting, local keynote speakers have been confirmed. Francois Lampen, our tireless South African host is working on a spectacular venue for the icebreaker with a South African flair and aura. The other evening event venues are set, and the scientific program is almost complete. With a smaller number of abstracts and attendees, you can look forward to a bit more relaxed, intimate and unique experience this year. If you haven't yet booked your flight, you may wish to do so as airfare is rising and seat availability narrowing. And keep an eye on the IAAAM website for updates and posts about the conference.

Unfortunately, due to unacceptable cost, we are no longer considering the Florida Keys for the conference in 2020. However, we may have identified another site in Florida for IAAAM 2020. We will keep you posted.

"Never be afraid to do what's right, especially if the well-being of a person or animal is at stake. Society's punishments are small compared to the wounds we inflict on our souls when we look the other way" – Dr. Martin Luther King Jr.

Regards.

Michael S. Renner DVM
IAAAM President

IAAAM WDA AWARD

IAAAM has teamed up with the Wildlife Disease Association (WDA) to present a joint award for the best aquatic animal paper written by a student in the Journal of Wildlife Diseases! Judges from IAAAM and WDA evaluated eligible papers and awarded the prize to Dr. Jason Ferrante, for his paper: Development and Validation of Quantitative PCR Assays to Measure Cytokine Transcript Levels in the Florida Manatee (*Trichechus manatus latirostris*)! The award, along with a cash prize of \$1500, will be formally presented to Dr. Ferrante at the WDA meeting in August 2019! The IAAAM Board and Student Liaison Committee would like to congratulate Dr. Ferrante on his excellent scientific contribution and his award!

IAAAM CONFERENCE 2019:

On behalf of the International Association for Aquatic Animal Medicine (IAAAM), and the 2019 host, uShaka Sea World, we invite you to save the date for the 50th Annual Meeting & Conference. The 2019 event will be held May 18 - 22 at the Tsogo Sun Elangeni Maharani. Below is information to help you plan to attend.

CONFERENCE LODGING

The 2019 IAAAM Conference will take place at the beautiful Tsogo Sun Elangeni Maharani. The hotel is a modern, full service resort that sits right on the Indian Ocean and is only 23km/15 miles from King Shaka International Airport. It has 6 restaurants, 3 pools, 2 fitness centers, complimentary WIFI and breakfast, and kids stay free! For more information about the hotel, please go to <https://www.tsogosun.com/southern-sun-elangeni-maharani>.

The conference was able to secure the following discounted rates:

- Single 1,705 R / \$120 USD (average)
- Double 2,080 R / \$150 USD (average)

To book your hotel room, please visit the [IAAAM website](#).

WHAT YOU NEED TO KNOW ABOUT SOUTH AFRICA

For those who are traveling to South Africa for the first time, the following link to South African Tourism will help you learn about things such as currency, visas, immunizations, weather, getting around, and other important things to know: <https://www.southafrica.net/gl/en/travel/category/what-you-need-to-know>.

TOURS & AIRPORT/HOTEL SHUTTLE INFORMATION

The IAAAM 2019 Conference Planning Committee has secured Discover Durban Tours & Transfer to assist with offering shuttle transfers between King Shaka International Airport and the Elangeni Hotel (or vice versa), and are also able to provide you with options for day tour excursions from Durban or pre/post trips around the region.

Airport/hotel shuttle pricing is as follows:

- 1-3 passengers on a sedan = ZAR470.00 per way
- 4-7 passengers on a minivan = ZAR830.00 per way
- 8-13 passengers on a minibus = ZAR1150.00 per way
- 14-22 passengers on a mini coach = ZAR1450.00 per way
- Groups larger than 22 passengers will be quoted on request

Sample full and half day tours and prices (full descriptions of the tours below can also be found at www.iaaam.org):

- Full Day Hluhluwe-Umfolozi Game Reserve Tour = R 2,690.00pp / \$190.00 USD
- Full Day Shakaland Tour = R 2,480 / \$175 USD
- Full Day Isandlwana & Rorke's Drift Battlefields Tour = R 3,750 / \$275 USD
- Full Day Drakensberg World Heritage Tour = R 2,690.00 / \$190 USD
- Full Day Sani Pass/Lesotho Tour = contact Discover Durban for pricing
- Half Day Durban City Tour = R 600.00 / \$50 USD
- Half Day Inanda Heritage Route Tour (Township Tour) = \$60 USD
- Half Day Valley of 1000 Hill Cultural Tour = \$75 USD

Extended pre/post tours will be quoted on request.

To reserve an airport shuttle, or book and learn more about tours and excursions, please contact:

Discover Durban Tours & Transfer

Email: leon@discoverdurban.co.za or desiree@discoverdurban.co.za

Tel: +27 32 5410457

Mobile: +27 734080924 or +27 849111656

Web: www.discoverworldtravel.co.za

PRE-CONFERENCE WORKSHOPS**1. Diagnostics Techniques in Elasmobranchs Workshop**

Presented by Natalie Mylniczenko, Francois Lampen, and Caryl Knox

This techniques workshop will focus on a variety of diagnostics in elasmobranchs. The workshop will start with animal exams, didactic lectures and then switch to a wetlab/practical format where attendees can focus their time on ultrasound, endoscopy, and practical sampling techniques including blood drawing. CSF sampling, coelomic fluid sampling and the opportunity to necropsy cadavers.

When: Saturday, May 18, 2019 from 9:00am to 4:00pm

Where: uShaka SeaWorld

Cost: \$50

Includes: Lunch and transportation

Minimum / Maximum Number of Participants: 16 / 20

2. Stranding and Necropsy Workshop - Lessons from Long-Term Work in South Africa

Presented by Dr. Stephanie Plön

This will be a one-day workshop with both presentations and hands-on experience in the form of a necropsy. Introductory information on stranding response, how to establish a stranding network, and basic necropsy training for delegates from other regions in Africa who are wanting to start out with a stranding network, as well as an overview of achievements in South Africa based on some 25 years of stranding response and 13 years of necropsy experience with both stranded and bycaught cetaceans will be presented. To set our local work and achievements into the global context, contributions to presentations will be invited from both local and international collaborators.

When: Saturday, May 18, 2019 from 8:00am to 5:00pm

Where: KwaZulu-Natal Sharks Board wetlab. Transportation will be provided.

Cost: Free for attendees from developing countries courtesy of IFAW; \$50 for all other attendees

Includes: Lunch and transportation

Minimum / Maximum Number of Participants: 8 / 16

3. ZIMS for Medical Training

Presented by Rachel Thompson; rachel.thompson@species360.org

Learn basic data entry tips, how to maximize efficiency, and search your ZIMS records to quickly retrieve valuable medical information. Understand the global medical resources and how these tools can support your medical team. Learn about upgrades to husbandry features including streamlined data entry options and new graphing and reporting tools that support the unique needs of aquariums. Course will focus on time saving tips and best practices in medical record keeping; however, instructor will tailor content based on attendee feedback and specific needs.

When: Saturday, May 18, 2019 from 8:00am to 5:00pm

Where: Tsogo Sun Elangeni & Maharani (IAAAM conference hotel)

Cost: \$100

Includes: Light breakfast and afternoon break; a digital copy of the slides and write-ups

Minimum / Maximum Number of Participants: 5 / 25

CONFERENCE REGISTRATION

Registration is now open!! Registration includes access to all daytime sessions and evening events along with the following meals each day: continental breakfast, lunch, and afternoon breaks.

2019 Registration Fees			
Registration Option	Member	Non-Member	After May 10
Full Registration	\$500	\$600	+\$100
Student Full Registration	\$250	\$350	+\$100
Vet Tech	\$325	\$425	+\$100
Guest Adult	\$300		
Guest Child (4-13)	\$175		
Guest Child (3 & under)	FREE		
One Day Registration	\$225		
Diagnostics Techniques in Elasmobranchs Workshop	\$50		
Stranding and Necropsy Workshop - Lessons from Long-Term Work in South Africa	TBD		
ZIMS for Medical Training	\$75		

IAAAM Cancellation Policy

A conference refund policy has been established by the IAAAM Board. All cancellations and request for refunds must be submitted in writing by:

- 90 days prior to the start of the conference for a 100% refund.
- 60 days prior to the start of the conference for a 75% refund.
- Up to the start of the conference for a 50% refund.

Refund applies to all fees paid including registration, workshops, meals and guest passes.

The refund will be issued within 2 weeks of receipt of the request by check or credit card refund (depending on original method of payment) to the person or agency that made the original payment.

Registration will open in January once pricing has been finalized. New this year: lunch will be included with all registration options!!

DONATED AUCTION ITEMS

The Annual IAAAM Auction Night will be on Tuesday, May 21st and we are seeking donated raffle items. If you have something to donate, please contact the conference planner, Cindy Sherwood at sherwood@delaneymeetingevent.com, and she will give you the shipping instructions.

CONFERENCE AGENDA (DRAFT – SUBJECT TO CHANGE)

Saturday, May 18	
8:00 a.m. – 5:00 p.m.	Conference Registration
8:00 a.m. – 5:00 p.m.	Pre-Conference Workshops
9:00 p.m. – 4:00 p.m.	Board Meeting
9:00 a.m. – 5:00 p.m.	Sponsor & Exhibitor Set-up
6:00 p.m. – 9:00 p.m.	☆ Icebreaker Event – Cargo Hold
Sunday, May 19	
	Breakfast on Own
7:00 a.m. – 5:00 p.m.	Sponsor & Exhibit Showcase
7:00 a.m. – 5:00 p.m.	Conference Registration
8:00 a.m. – 8:30 a.m.	Welcome & Introductions
8:30 a.m. – 9:15 a.m.	Keynote Speaker: Dr. Lauren Waller; Southern African Foundation for the Conservation of Coastal Birds
9:15 a.m. – 10:00 a.m.	Keynote Speaker: Dr David Huchzermeyer BVSc., MSc., PhD; Sterkspruit Veterinary Clinic
10:00 a.m. – 10:30 a.m.	Break with Sponsors & Exhibitors
10:45 a.m. – 12:00 p.m.	Session 1: Infectious Diseases
12:00 p.m. – 1:30 p.m.	Lunch Break
1:30 p.m. – 3:00 p.m.	Session 2: Health and Ecosystem Assessments
3:00 p.m. – 3:30 p.m.	Break with Sponsors & Exhibitors

3:30 p.m. – 5:00 p.m.	Session 3: Conservation Medicine in Focus Panel Discussion: Free-ranging Cetacean Intervention
5:30 p.m. – 7:30 p.m.	☆ Student Event
Monday, May 20	
	Breakfast on Own
7:30 a.m. – 5:00 p.m.	Conference Registration
7:30 a.m. – 5:00 p.m.	Sponsor & Exhibitor Showcase
8:30 a.m. – 10:00 a.m.	Session 4: Pathology
10:00 a.m. – 10:30 a.m.	Break with Sponsors & Exhibitors
10:30 a.m. – 12:00 p.m.	Session 5: Innovations in Marine Mammal Medicine
12:00 p.m. – 1:30 p.m.	Lunch Break
1:30 p.m. – 3:00 p.m.	Session 6: Stranding and Rehabilitation
3:00 p.m. – 3:30 p.m.	Break with Sponsors & Exhibitors
3:30 p.m. – 5:00 p.m.	Session 7: Immunology and Toxicology
5:00 p.m. – 6:00 p.m.	IAAAM Annual Business Meeting
7:00 p.m. – 9:00 p.m.	☆ Poster Session
Tuesday, May 21	
	Breakfast on Own
7:30 a.m. – 12:00 p.m.	Conference Registration
7:30 a.m. – 12:00 p.m.	Sponsor & Exhibitor Showcase
8:30 a.m. – 10:15 a.m.	Session 8: Pharmacology and Microbiology
10:15 a.m. – 10:45 a.m.	Break with Sponsors & Exhibitors
10:45 a.m. – 12:00 p.m.	Session 9: Imaging
12:00 p.m. – 1:00 p.m.	Lunch Break
12:00 p.m. – 1:00 p.m.	Board Meeting

1:00 p.m. – 5:00 p.m.	Afternoon on Own
6:00 p.m. – 9:30 p.m.	☆ Auction Night at uShaka Sea World! Cocktail Reception & Silent Auction from 6:00 – 8:00 p.m.; Dinner at 7:00 p.m. and Live Auction at 8:00 p.m.
Wednesday, May 22	
	Breakfast on Own
8:00 a.m. – 4:00 p.m.	Conference Registration
8:00 a.m. – 12:00 p.m.	Sponsor & Exhibitor Showcase
8:30 a.m. – 10:00 a.m.	Session 10: Fish Medicine
10:00 a.m. – 10:30 a.m.	Break with Sponsors & Exhibitors
10:30 a.m. – 12:00 p.m.	Session 11: Reptiles, Birds, and Invertebrates
12:00 p.m. – 1:30 p.m.	Lunch Break
1:30 p.m. – 2:45 p.m.	Session 12: Elasmobranchs
2:45 p.m. – 3:15 p.m.	Break
3:15 p.m. – 4:45 p.m.	Session 13: Case Reports
6:00 p.m. – 7:00 p.m.	☆ Cocktail Reception & Banquet Cocktail Reception from 6:00 – 7:00 p.m.; Dinner at 7:00 p.m.; Awards at 8:30 p.m.; Dancing from 9:30 p.m. to Midnight

Student Travel Award Winners

This year, there were five recipients of the 2019 Student Travel Awards:

- John Griffioen (Mystic Aquarium), Determination of Baseline Hematologic and Plasma Biochemical Parameters in Japanese Spider Crabs (*Macrocheira kaempferi*)
- Molly Martony (University of Florida), Advancing Cold-stressed Manatee (*Trichechus manatus latirostris*) Rehabilitation and Clinical Assessments: First Steps in Improving Outcomes
- Aristide Takoukam (University of Florida), Aquatic Ecosystem Health and Trophic Status Classification of Lake Ossa and the Potential Impacts on its Population of African Manatees (*Trichechus senegalensis*)
- Laura Thompson (Mystic Aquarium), Deep vs. Shallow Diving Marine Mammals: Variation in Complement Responses and Susceptibility to Dive-Related Injury
- Ebru Unal (Mystic Aquarium), Gene Expression Profiling as a Potential Tool for Health Assessment in Belugas (*Delphinapterus leucas*)

Congratulations to each of these students! The Student Liaison Committee was highly impressed with the quality of student research that is underway, and we are all looking forward to the student award competition at the upcoming meeting in Durban, South Africa.

Student Event at the Conference

This year, the annual Student Event will be held on Sunday evening, May 19th, from 5:30 – 7:30p, at the conference meeting location, Tsogo Sun Elangeni Maharani. The theme will “A Glimpse into the Past” and will provide students with an opportunity to interact with members and hear perspectives on how aquatic animal medicine has changed over the decades. We have seen changes in technology, clinical approaches, the pathogens we encounter in both captive and wild populations, approaches in how we manage aquatic animals, and many other topics... so bring your questions! Light hors d’oeuvres will be served. All students are welcome and encouraged to attend! Any members are encouraged to submit photos or other information that is historical in nature, and/or sign up to help! Please contact Ashley McGrew (ashley.mcgrew@colostate.edu) if you are interested.

CALL FOR 2019 IAAAM MEDWAY SCHOLARSHIP PROGRAM APPLICATIONS

The International Association for Aquatic Animal Medicine (IAAAM) recognizes a continuing need for the funding of research projects focused on aquatic animal medicine. IAAAM also recognizes the value and importance for students to gain solid scientific research training. To help fill these needs and to further promote involvement of students in aquatic animal medicine, the IAAAM has established the Medway Scholarship Program designed to support research experiences for students interested in pursuing careers in aquatic animal medicine.

The program is primarily intended for undergraduate, veterinary, and graduate students without stipends or other sources of funding. The purpose of the scholarship is to partially support the student for research experiences beyond that which they might experience with normal undergraduate classwork or a graduate/veterinary curriculum.

Objectives

- Provide students with exposure to sound research practices in the field of aquatic animal medicine beyond what is normally included as part of the undergraduate or graduate/veterinary curriculum.
- Encourage students to pursue post-graduate careers incorporating research in aquatic animal medicine.
- Encourage student participation in the IAAAM.

Program Description:

The IAAAM Medway Scholarship Program provides scholarships of up to \$3,000 each to students who have been accepted to participate in a research project organized and funded by government, academic, private entities, a combination thereof, or by private consulting veterinarians in the aquatic medicine field. The sponsoring entity or individual must provide the student with at least a 10 to 12-week working exposure to research focused on aquatic animal medicine and must involve direct interaction with a current IAAAM member in good standing. Funding for the research activity must be provided by the sponsoring entity or individual. Scholarship awards are intended to support the student’s personal expenses while participating in the funded research. Scholarship recipients will be required to present their research findings at a future IAAAM conference and will still be eligible for other IAAAM student awards.

Factors that are considered in selecting the scholarship recipient are briefly described below. They are not listed in any particular order of importance but are included to assist the applicant in preparing the application form and letter.

- Commitment of the applicant to a career in aquatic animal medicine as reflected in the applicant's letter of intent and curriculum vitae (CV).
- Applicant's grade point average/class rank.
- Quality, scientific merit, and duration of intended research. Applicants are encouraged to select research projects with established funding sources, clearly defined aims, and project timelines that will enable the student to complete the research during the allotted time period. Applicants are encouraged to pursue research activities at institutions with proven or established aquatic animal research programs. Project summaries detailing the planned research, aims, importance, methods, and funding sources will be judged for each applicant. Projects for which the budgeted work has already been completed are not eligible for consideration.
- Two (2) current letters of recommendation, one of which must come from a member in good standing of IAAAM.
- Financial needs of the student in addition to other available funding such as that provided by the institution providing the research opportunity.

Previous recipients of the award are encouraged to apply; however, priority will be given to those who have not previously received the scholarship.

Application Submission Deadline: **April 01, 2019.**

Please submit completed applications to:

Dr. Allison D. Tuttle, IAAAM Education Board Member
c/o Mystic Aquarium
55 Coogan Blvd
Mystic, CT 06355
Email: atuttle@mysticaquarium.org

Submissions can be sent either by mail or electronically, though electronic is preferred. Electronic submissions should be in pdf format. All materials must be received by April 01, 2019.

Winners will be notified by May 2019 and recognized during the 2019 IAAAM Conference.

Application requirements:

- Application form (download from IAAAM website: www.iaaam.org)
- Letter of intent detailing applicant's career goals and goals for the research activity.
- Two (2) letters of recommendation, one of which must come from a member in good standing of IAAAM
- Student's curriculum vitae (should include any other research experience with citations)
- Official school transcripts for currently enrolled institution only
- Letter of agreement from the principle investigator at the sponsoring institution, identifying the location and duration of the research project and its expected funding source(s)
- Student budget of estimated expenses (e.g. transportation, rent, meals) separate from direct research related expenses.
- Project Summary completed by student applicant: (3-page limit; single spaced; ¼-inch margins; 11-point Times, Times New Roman or Arial font).

Failure to adhere to these guidelines will result in disqualification.

Project Summary should include:

- Brief project abstract/overview
- Project aims/hypotheses
- Justification and literature review
- Materials and methods
- Significance to the field of aquatic animal medicine/health
- Research budget – including direct and indirect funding sources
- Research time table
- Student's role in the project
- Mentor's qualifications
- If live animals (including client/private-owned animals) are used in any way in the project, the mentoring researcher must provide assurance that the planned research project has or will obtain full Institutional Animal Care and Use Committee (IACUC) approval.

2019 IAAAM MEDWAY SCHOLARSHIP PROGRAM APPLICATION FORM

TITLE OF PROJECT	
2. STUDENT APPLICANT	
2a. NAME (last, first, middle)	2b. CURRENT DEGREE (S) (IF ANY)
3a. UNIVERSITY AND DEPARTMENT OR EQUIVALENT	3b. OFFICIAL MAILING ADDRESS (STREET, CITY, STATE, ZIP CODE) STUDENT E-MAIL ADDRESS:
3c. MAJOR OR EXPECTED DEGREE (WITH PLANNED COMPLETION DATE)	
3d. TELEPHONE AND FAX (Area code, number and extension) Tel: Fax:	
4. United States Tax ID #/Social Security #:	
5. VERTEBRATE ANIMALS <input type="checkbox"/> NO <input type="checkbox"/> YES YES If "yes", DATE _____ 5a. If "yes," IACUC APPROVAL <input type="checkbox"/> NO <input type="checkbox"/> PENDING <input type="checkbox"/> 5b. ANIMAL WELFARE ASSURANCE NO. _____	
6. DATES OF PROPOSED PERIOD OF SUPPORT (month/day/year) FROM _____ THROUGH _____	7. TOTAL AMOUNT REQUESTED FOR PROPOSED PERIOD OF SUPPORT

8. PRINCIPAL INVESTIGATOR	
<p>Name</p> <p>Title</p> <p>Organization</p> <p>Address</p> <p>Telephone</p> <p>Fax</p> <p>E-mail</p>	
9. STUDENT APPLICANT CERTIFICATION AND ASSURANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge. I agree to provide the required research presentation if a grant is awarded as a result of this application.	SIGNATURE OF STUDENT APPLICANT NAMED IN 2a. DATE:
10. PRINCIPAL INVESTIGATOR CERTIFICATION AND ASSURANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge. I agree to accept responsibility for the scientific conduct of the project.	SIGNATURE OF PRINCIPAL INVESTIGATOR NAMED IN 8. DATE:

Loro Parque contributes to research on the echolocation of orcas

The world's best zoo is working with experts from the University of Southern Denmark to establish when echolocation begins in the orca offspring

Puerto de La Cruz, December 27th, 2018. Loro Parque, in its continuous commitment to scientific research, has recently begun to collaborate in research on the echolocation of orcas, a key sense that favours their orientation and the location of prey for hunting. There is not much information on whether it is a behaviour that cetaceans learn or if it is innate, nor is there data on the moment in which it appears in their development, so that the zoo, recognised as the best in the world, will contribute to providing information on a feature that is vital to their survival.

Loro Parque is working with the University of Southern Denmark in a study with Morgan's calf in order to try and establish when echolocation begins in the young orcas. The first experiments have already begun.

Development of echolocation

Echolocation is the location of an object through the reflection of sound waves, used by animal species such as bats and cetaceans and in sonar systems.

In both bats and dolphins, echolocation skills have been studied for decades, and although there is a deep understanding of their capabilities and use, it is not clear how it develops. In the case of dolphins, recordings under animals in human care indicate that echolocation may develop after about three to four weeks, although other studies indicate that it may take much longer.

About young orcas, however, there is no information whatsoever, and some knowledge would help to better understand and protect these animals with more reliable risk-assessments on the impact of marine noise, its possible consequences, and even age estimates, based on sound recordings. Thus, by recording the calf periodically, one can begin to understand the development of its echolocation capacity - when it begins and how this sense evolves until it matches that of an adult orca.



Commitment to scientific research on orcas

In addition, thanks to the opportunities offered to science by the possibility of having access to an orca calf in a controlled environment, Loro Parque is also collaborating with the University of Zurich in a study on learning more about orca communication - another rather unknown subject, wherein we will investigate how the calf adopts and uses the communication sounds of the group dialect. Another Norwegian research group will study the existence of identification marks on orca calves, which will help to identify and track these animals more accurately in nature.



The Newsletter of the International Association for Aquatic Animal Medicine is published four times a year (usually in January, April, August, and November). An annual conference is held every year in the spring and electronic proceedings from that conference are available on line at www.iaaam.org to all current members. The International Association for Aquatic Animal Medicine is a nonprofit organization dedicated to advancing the art and science of aquatic animal medicine and health.

Newsletter submissions are welcomed, although the newsletter editor and the IAAAM board reserve the right to edit and/or refuse the publication of any submissions. The deadlines for submissions are December 1, March 1, July 1, and October 1. Submissions should be made in WORD, without complex formatting. For submissions contact Michael Briggs, Newsletter Editor, at mbbriggs@ix.netcom.com.

For membership information, including address changes, contact Hendrik Nollens, Hendrik.Nollens@SeaWorld.com

For dues information, contact Tonya Clauss, tclauss@georgiaaquarium.org

IAAAM EXECUTIVE BOARD

President: Michael Renner
rennervet@gmail.com

President-Elect: Katie Colegrove
katie.colegrove@gmail.com

Past-President Martin Haulena
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Treasurer: Tonya Clauss
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Secretary: Todd Robeck
todd.robeck@seaworld.com

Board – Membership: Hendrik Nollens
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Board – Communications: Michael Briggs
mbbriggs@ix.netcom.com

Board – Education: Allison Tuttle
atuttle@searesearch.org

IAAAM COMMITTEE CHAIRS

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IAAAM Site Selection:
Sam Dover, sdoverdvm@cox.net

IAAAM Student Liaison:
Ashley McGrew, ashley.mcgrew@colostate.edu

IAAAM Conservation Committee:
Nina Young, orcasconsulting@msn.com

HONORARY LIFE MEMBERS

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* deceased