

2018 Annual  
Meeting Survey  
Results



ASR 35th ANNUAL  
MEETING Clearwater  
Beach, FL



ASR Mentorship Program



DSI telemetry in the  
Casualty Management  
Section at DRDC Suffield  
Research Centre

Norleen Caddy

# SURGICAL SAVVY



## ASR In Charleston, SC Review

This year's annual meeting was held in Charleston, SC. The annual meeting offered 3 days of scientific discovery and discussion including presentations, key note speakers, posters and wet labs.

This year we had many great presentation, seminars and workshops. Three keynote presentations from Dr. Norm Wainwright, Dr. Vince Mendenhall and Dr. Michael Swindle. The wet labs were well attended, thank you to all those who attended. We received some great feedback to help us improve the upcoming meeting and wet labs.

2018 Academy of Surgical Research award winners





## Academy of Surgical Research Mentorship Program

The Academy of Surgical Research Mentorship Program aims to further enable ASR members, both those starting out as well as seasoned individuals, to grow and lead as effective professionals by providing meaningful one-on-one mentoring relationships.

Each mentee and mentor pair will design a shared goal/outcome for their partnership to be completed during a period of up to one year mentorship. A few examples of possible goals for a mentorship could be:

- A mentee that is new to the field of surgical research and seeking guidance on development and career paths.
- A mentee planning to sit for one of the certification exams and seeking guidance from a certified member on the process from the application, what/how to study and taking the exam itself.
- A mentee looking to develop a new surgical model and seeking guidance from a certified surgeon with significant experience in that particular model or area of surgery.

**Criteria:** Our Mentors have a broad base of experience. To provide a high quality program, mentee and mentor pairs will be matched according to their fields, experience and goals as outlined in the application process. Mentee and Mentors must be ASR members with active memberships. Mentees have to be employed for at least one year within the surgical research field or have relevant experience before being admitted to the program. Mentors will be significantly experienced in the field the mentee is requesting and will be assigned to only one mentee at a time. Mentees are required to pay a \$20 registration fee to confirm his/her spot in the cohort.

**Commitment:** Mentee and mentor pairs enter into a commitment lasting up to one year. After the initial orientation session, pairs are encouraged to meet monthly; however, timetables should be predetermined to best suit the needs of the pair and to accomplish the goal/outcome. The expectation is for pairs to meet at least three times. Meetings can be face to face (if in the same area), via teleconferences, or via whatever media works for each pair.

The Mentee Registration Form can be found at the address below.  
<https://surgicalresearch.wufoo.com/forms/z7rql3cobeudb8/>

## 2019 ASR 35th Annual Meeting



September 25-27, 2019

**Hilton Clearwater  
Beach**

Clearwater Beach, FL

## What do you want to talk about?

The ASR newsletter needs you!

Send us a tech tip or article to share your knowledge with other members.

## CEU's are Awarded

2 CE credits are awarded for a tech tip

**CE credits have increased from 2 to 4 for articles**

4 CE credits are awarded for the submission of an article that is accepted by the Certifications Committee and published in Surgical Savvy.

## Submission Deadlines

Submission of articles is accepted anytime.

Please submit electronically to  
Brad Gien

[brad.gien@envigo.com](mailto:brad.gien@envigo.com)

Attach any pictures in jpg format and documents in Microsoft Word format.

Registration is now open for the  
35<sup>th</sup> Annual Meeting

Book your accommodations now for  
Clearwater Beach, FL

# DSI telemetry in the Casualty Management Section at DRDC Suffield Research Centre

Norleen Caddy



Defence Research and  
Development Canada

Recherche et développement  
pour la défense Canada

To date DSI telemetry has been used in the rat (Sprague Dawley males); several relatively small scale studies have been conducted. The two main areas in which the DSI telemetry has been implemented have been the study of mild traumatic brain injury (mTBI) and seizure detection as it applies to the evaluation of medical countermeasures in organophosphate poisoning. All surgeries were and are performed on site in our small animal surgical suite by trained staff involved in the studies to be conducted. EEG, EMG and activity were the waveforms required to detect/evaluate for sleep patterns and seizures. The F40-EET transmitter was used for all studies until recent replacement with the HD-So2.

The use of telemetry in the mTBI studies allowed for detection of seizure activity that may have been present and previously unacknowledged in this model. The sleep scoring was also important for these studies as it relates to the severity and presentation of brain injury. Sleep disturbances are a common symptom of brain injury and a more detailed evaluation of the sleep/wake patterns may help in developing treatments.

Models exposed to organophosphate poisoning were treated and recovered with the use of medical countermeasures. Telemetry data gave more precise data for seizure detection and sleep patterns than would have been possible by video recording and/or other conventional methods. Information collected using the telemetry provides data to improve and refine the use of the treatment(s) given post-exposure. The telemetry data may also be used to develop assessment parameters of animals for applications of pre-treatment options.

We are currently developing a study model to pair the telemetry with the implanted Vascular Access Button (VAB™) 1 which will enable repeated blood sampling for long-term studies and further reduce the stress of handling, thus expanding the scope of study design.

1. Vascular Access Button™, Instech Laboratories, Inc







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# The ASR Educational Foundation

## ❖ What is the ASR Educational Foundation?

The ASR Educational Foundation is a 501 (c) (3) nonprofit organization supporting the education of preclinical experimental surgical candidates.

### Mission of the ASR Educational Foundation

*The mission of the ASR Education Foundation shall be to advance the profession of surgical research through supported educational activities. Continuing education awards shall be made in a non-discriminatory basis to selected individuals working in the surgical research field.*

## ❖ When was it founded and by whom?

The Foundation was the brainchild of Tom Long who felt that some technicians were unable to obtain certification due to lack of financial support for meeting travel from their companies. It was founded in 2012.

## ❖ How do you qualify for financial assistance in attending ASR or sitting for certification?

To qualify for an award there is a grant application located on the ASR website – these are reviewed by the committee on an individual basis for awards.

## ❖ Who qualifies for the grant?

The Foundation Grant is open to active Academy members.

## ❖ What is involved in the application process?

The application process is simple. You fill out a short application form, need one letter of recommendation from you manager and need a write up to describe how you embody the mission of the Academy in your professional career. The mission of the Academy includes, but is not limited to: encouraging, fostering, promoting, and advancing professional and academic standards, education, research, and development in the arts and sciences of experimental surgery; promoting humane use and treatment of experimental animals and preventing their use when other means can bring about the same scientific results; and encouraging the advancement of the field of surgery in all aspects.

## ASR Education Foundation Founding Partners

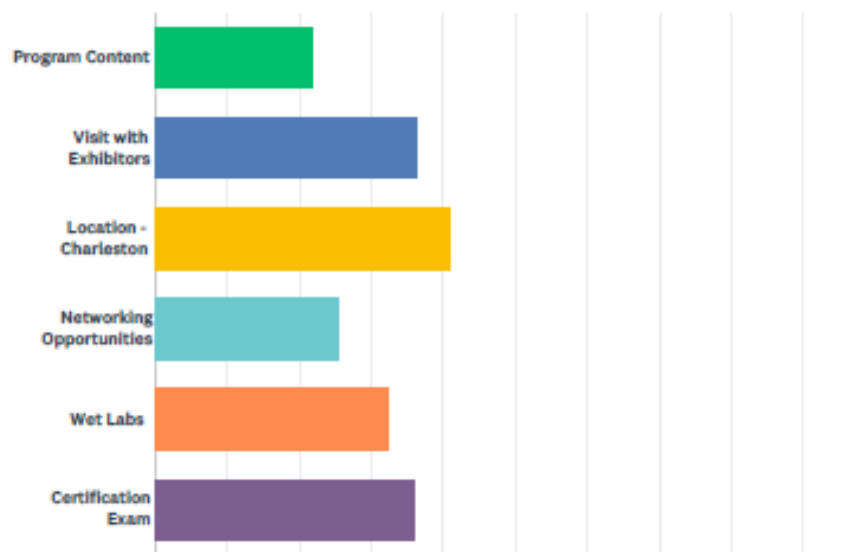
- Association Solutions, Inc.
  - Colonial Medical Supplies
  - Data Sciences international
  - Jan Bernal / Paul W. and Erlinda L. Kirkman
  - John Cody Resendez / Randy Pielemeier
  - Kent Scientific Corporation
  - Lomir Biomedical
  - MPI Research
  - Primate Products
  - WIL Research
-

# 2018 ASR annual meeting survey results

The survey results are in and we wanted to share with you some of the insights and comments from our 34<sup>th</sup> annual meeting.

The survey was completed in two parts: the exhibitor survey and the membership survey. The response was good and we received many comments and suggestions about what went well and things we could improve on. We appreciate the responses and comments, this helps us make the ASR conference stronger, relevant and what our membership and exhibiting partners need.

Please rank the reasons you attended this year's conference.



Location, certification exams and visiting with the exhibitors rounded out the top 3 reasons why people attended ASR in Charleston. 77% of respondents felt the meeting was very/extremely productive, this is an increase from our meeting in 2017!

There have been several requests for having the wet labs at a different time or day than the exams and transportation to the offsite labs better organized. These requests are being considered in the 2019 conference planning.

We had many requests for new topics and speakers, which is a great suggestion and we are using this survey result to reach out to you. If you have a topic that interests you it will interest other people as well, please submit an abstract and become part of our 35<sup>th</sup> annual meeting. Presenting can be a terrifying thought but overall past presenters have felt excited after their presentation to have shared their research and interests with surgical colleagues. This meeting can be a great learning and collaborative best practice experience, please join us in excelling surgical research!

**"Professional Collaboration of Colleagues"**

*The most valuable resource that we all have is each other. Without collaboration our growth is limited to our own perspectives. -Robert John Meehan*

# Stay tuned...

In the next Surgical Savvy newsletter we will have a feature article on the ASR Membership Committee, a quick survey of which catheter locking solutions you use and needle reuse in the lab. If you have any ideas or suggestions please email [brad.gien@envigo.com](mailto:brad.gien@envigo.com).

## ASR COMMUNICATIONS TEAM

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