Public Tick IPM Working Group  
October 12th, 2016

Send additions, omissions or other corrections to flaufenberg@ipminstitute.org

The Working Group meets via conference call on the second Wednesday of each month at 1:00PM CT (2:00PM EST). The next conference call will take place November 9th 2016.

Roll
a. Alina Freund, IPM Institute of North America  
b. Chris Przybyszewski, US BIOLIGIC  
c. Bob Maurais, Mainely Ticks  
d. Anne Kjemtrup California Department of Public Health  
e. Jennifer Reid, BLAST Lyme Program  
f. Frank Laufenberg, IPM Institute of North America  
g. Tom Mather, TickEncounter Resource Center  
h. Chuck Lubelczyk, Maine Medical Center Research Institute  
i. Kirby Stafford, Connecticut Agricultural experimental station  
j. Tom Green, IPM Institute of North America 
  k. Marlena White, IPM Institute of North America  
l. Maria Gomes-Solecki, University of Tennessee Health Science Center  
m. Larry Scrapper, Turkey Nation Oklahoma  
n. Lynnae Jess, Michigan State University

Agenda
1. Update on North Central IPM Center grant application for the renewal of the WG (Alina)  
2. Update on the White House Open Data Summit on the use of “big data” to combat Lyme disease (Chris Przybyszewski)  
3. IPM Symposium in early 2018 (Tom Green)  
4. Additional updates, comments, questions

1. Update on application renewal of the WG
a. Apply for renewal funding with the North Central IPM Center, due Nov. 18th.  
b. Proposed Objectives – Frank will send out the proposed objectives draft with the meeting notes. Please contribute feedback on the proposed objectives to determine what needs to be worked on next year! Reminder: our working group priorities are here: https://tickipmwg.wordpress.com/priorities/  
c. Please send feedback on the proposed objectives through the listserv or direct email to Alina or Frank  
d. Frank and Alina will send out a call for letters of support. Letters of support for the Working Group are much appreciated, help us renew the grant and continue to work on reducing TBD.

2. Update on the White House Open Data Summit
a. “Big data” to combat Lyme disease
   a. How can open data effect Lyme innovation?
   b. Two goals:
      i. Awareness about Lyme disease
      ii. The White House included data about Lyme disease innovation as part of the open data factsheet.
         1. Great public outreach/recognition
            a. Expose lots of bright people from different fields to this issue (MIT hack-a-thon winners etc.)
         2. Cover all aspects of open data involvement
            a. Public health, research, distribution etc.
   c. Chuck - What sort of data sets are considered big data sets? Coalition is forming amongst Harvard, Johns Hopkins, Columbia, Stanford and Duke to combine health data for Lyme disease and other TBD. Including in-depth individual case study information (physiological data). Collate different population data – all being coordinated by Dr. Andy Kjelvnic who is affiliated with Stanford (his expertise is informatics).
   d. Can raise a lot of awareness Taking ecological data and putting it into spatial information (working with Kirby)
      i. Tick and mouse are data points – how can all of this data be put in one system and use a geospatial analysis overlay.
      ii. Using satellites to locate hot spots with NASA and Dr. Ezra Ozdenerol from University of Memphis.
      iii. Deep dive into physiology
   e. Trying to ensure work is making an impact (verify using big data)
      i. Ecologically and with the human condition
   f. Tom G. - What was the scope of the conference?
      i. Very broad included ag, grants reporting, health, etc.
      ii. A big part of it was involved in grant reporting.
      iii. how does all of this data get shared without violation of privacy
      iv. Estonia is example of successful use of big data and open use of data

b. Multiple articles: One of the papers is review article about reservoir targeted vaccines by Steve Zatechka and the other one is about a new diagnostic tool that Dr. Maria Gomes-Solecki helped develop.
   o How can we make it possible for a doctor to diagnose Lyme disease in their office?
   o Create microfluidics test to diagnose Lyme
      ▪ System separates early or late detection!
      ▪ Still needs to be commercialized for hasty diagnoses
      ▪ The article is attached (Nayak – 2016)

3. **IPM Symposium**
   a. Scheduled for early 2018 (March 18th-22nd, professional development day on the 23rd).
   b. Follow this link for additional information: [http://www.ncipmc.org/connection/?p=2183](http://www.ncipmc.org/connection/?p=2183)

d. The one multidisciplinary international event for IPM that happens regularly

e. Organizers want to identify topics that deserve a spot as a mini symposium
   a. A poll will be coming out to identify topics that could potentially be used to create a mini symposium. The poll will be sent to the public tick working group.
   b. Tick borne disease will be topic on a poll (along with a couple dozen other topics).
   c. The mini-symposia will also have opportunities for sponsorship.
      i. Sponsors can present on their product or service.

f. It will be good timing for a Tick working group event following past tick-conferences over the last years.

f. Capitol hill visits will be part of the symposium which could present an opportunity to meet with representatives and staff.

h. Document impacts of work? What development opportunities are group members interested in?

3. Additional updates, comments, announcements, questions
   a. An article distributed by Jill Auerbach describes in 1st person the tumultuous journey that Lyme disease can present. [http://www.womenshealth.gov/blog/my-life-with-lyme.html](http://www.womenshealth.gov/blog/my-life-with-lyme.html)
      a. Is this effective public awareness? How do stories like this contribute to change in TBD?
      b. Jennifer Reid: occasional personal story and passion can be good, but it must be WELL CHECKED. The passion can get people to move and find resources like the CDC and tickencounter. Should be used for the extra push.
      c. Maine: blogs are great and a lot of people read them, but quality control needs monitoring to make sure the information is accurate
         i. Caution for quality control...horse can get out of the barn and take off into the pasture!
         ii. Passion in blog format is good but it risks getting in the way of good science.
            1. Suggest screening a few good blog posts to ensure the information is accurate.
      d. Tom M. His experience to get people to switch gears from lyme disease prevention. Would have to find a rare person who can use the passionate story for prevention advocacy. It is hard to motivate that base—you
would have to convert them from the disease side to the prevention side. Need a spokesperson for prevention.

i. It is possible to go from a patient to prevention → need more of these people. But you can’t force it.
ii. Jennifer Reid began as Lyme patient and it was that experience that motivated her to go back to school and work on prevention.
iii. TM: It is not worth giving up, it is just challenging and takes brainstorming for how to best use those stories and the people who are willing to tell them.

e. Flip side: Neil Gaiman’s wife had Lyme and he talked about it. But we haven’t really had one of those celebrities backed by the science to be a spokesperson. Usually we only hear about it if it is the worst case scenario. It sells and makes better headlines that way.

f. Weather app, a day or two in advance → can we do that with health and hotspots with ticks – making it mobile? Ex. What park should we go to? → Tickencounter is fantastic.
   i. What parks are hotspots?
   ii. Having it in one place, deeper education

g. Private groups raise key agenda items (such as better diagnostic tool or a different treatment regimen) but very little of that money is being brought forward to get everyone on the same page in terms of how to keep from getting a tick day after day after day. (aka prevention outreach).

h. REMINDER the adult ticks are active now.

b. Notes from the ITM Symposium are thorough and organized
   a. Do people want a copy? EMAIL: flaufenberg@ipminstitute.org

c. Tick Alert text edits recommended by WG members were made and the document has been forwarded to the North Central IPM Center for visual/layout upgrades.

d. Pat Smith from the Lyme Disease Association shared an upcoming event: Register NOW! LDA/Columbia CME Conference October 15&16, 2016, St. Paul, MN.

e. A friendly reminder: to send a message to everyone on the listserv treat the listserv email like an individual email address, in other words place the listserv email address in the “To” portion of an email message. The listserv email address is: PUBLIC_TICK_IPM_WG@LISTSERV.URI.EDU

f. International Congress of Entomology had a lot of information about ticks at it (6683 attendees in Orlando Florida, 298 symposia). TONS of information and tick work was presented. (Kirby)

g. Jill A. through Chris: Senate — the Cures Bill is coming up and they are trying to put the Lyme bill in the vote which will happen probably during the lame duck session. Request that everyone reaches out to your senators and house members to make sure it is on their mind with the vote coming up!
The next conference call will take place on **November 9th**. Future calls will continue to fall on the second Wednesday of each month at **1 PM Central time**.