From Academia to the “Real World”

Richmond County Mosquito Control
Annie Rich
Epinomectin as Mosquito Control and Treated Cattle as Tools in the War Against Malaria

Results:
- Results 1: Graph showing the effect of Epinomectin on mosquito populations.
- Results 2: Comparison of mosquito populations in treated and untreated cattle groups.

Discussion:
- Discuss the implications of the findings on mosquito control strategies.
- Highlight the role of treated cattle in reducing mosquito populations.

Significance:
- The study suggests a potential new approach to malaria control.
- Implications for public health strategies in endemic regions.

Graduate Student
Ranked 8th Internationally

UNIVERSITY OF GEORGIA
College of Agricultural & Environmental Sciences
Department of Entomology
GEORGIA DEPARTMENT OF PUBLIC HEALTH

Fred Koehle (Past President) (Twice)
Richmond County Mosquito Control

- 2 Trucks → 12 Vehicles
- 2 People → 16 People

- Surveillance
- Outreach
- Education
- Inspection
Master’s, New Job, Moving
Surveillance
WARNING

THIS POOL HAS BEEN STOCKED WITH
MOSQUITO FISH

DO NOT REMOVE ANY WATER AND
DO NOT ADD ANY CHEMICALS TO THIS POOL

IF YOU HAVE ANY QUESTIONS CALL
RICHMOND COUNTY MOSQUITO CONTROL AT
706-657-4241
Differences
Daily Structure

**Academia**
- Less predictable
- **More flexible**
- Overall more time consuming
- “Always on”
- One giant deadline

**8-5 Job**
- Less flexible
- Easier to time-manage
- Option to leave work at work
- Multiple smaller deadlines
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<th>Learning</th>
<th>Academia</th>
<th>8-5 Job</th>
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<tr>
<td></td>
<td>• Structured learning</td>
<td>• Responsible for own continued learning</td>
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<tr>
<td></td>
<td>• Constant influx of information</td>
<td>• Build your own structure</td>
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<td>• Pressure-on</td>
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<td>• Expectations &amp; opportunity for continued learning</td>
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Workplace/Public dynamics

Academia
- Other scientists
- Science technicians
- Solo-work
- Building own research
- Students

8-5
- Mixture of specialties
- Lone-entomologist
- Collaboration-based
- General Public

GEORGIA DEPARTMENT OF PUBLIC HEALTH
Similarities
Research

- Record Keeping
- Data entry
- Data analysis
- Field work
- Mosquito rearing
- Lab work
Speaking
Networking

- Builds network of knowledge you can pull from
- More opportunity in school
- Benefits you in the real-world
- Business cards
Funding/Budget

- Grants and proposals
- Limited budgets
- Collaboration necessary
- Government funding may be pulled
Collaboration

- Patience
- Networking
- Chain-of-command
Connection
Connection between academia and applied work... is lacking
Who innovates?

Who are innovations for?

Who puts them to use?
Communication

Collaboration

**Team** Mentality

(Georgia Mosquito Control Association)
Summary

We are all the future of mosquito control and research
Questions & Discussion
The Public

**Academia**
- Majority of public interactions with other students, professors, professionals

**8-5 Job**
- Majority of public interactions with non-student, non-entomology, non-science citizens
Organization and Prioritizing

- Master’s – Follow the map
- Applied position – Make a map