Cooperative Agreement Updates

Work to Support Human & Animal Food Testing Laboratories

Robyn Randolph
Sr. Specialist, Food Laboratory Accreditation
Association of Public Health Laboratories (APHL)
AAFCO 2019 Midyear Meeting – Savannah, GA
Bridging the Gap

APHL is continuing the work started under the Associations CoAg through a two-year Bridge agreement with FDA.
Continue providing resources for laboratories seeking to enhance their ISO/IEC 17025 accreditation scope

• Success stories
Various diet plans are all the rage these days, including Keto, vegan, Paleo, and more. People want to feed themselves and their families the very best, and that includes their four-legged friends. Raw pet food sales have been on the rise, driven in part by the assumption that it is healthier and more natural for animals to eat like they would in the wild. But pet owners may be overlooking the fact that many wild animals die of...
ISO/IEC 17025 Accreditation Resources

- Success stories
- Gap analyses between 2005 & 2017 versions of ISO/IEC 17025
- Proficiency Testing Providers list (EPTIS database)
- Up-to-date accreditation resources available on APHL’s website: [https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/Accreditation-Resources.aspx](https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/Accreditation-Resources.aspx)
- Released third revision of Data Acceptance White Paper (January 2019)
- PFP Laboratory Best Practices Manual/Compliance Check Guidelines
- Lessons learned from first labs transitioning to 2017 version
ISO/IEC 17025 Accreditation Resources

• Success stories
• Gap analyses between 2005 & 2017 versions of ISO/IEC 17025
• Proficiency Testing Providers list (EPTIS database)
• Up-to-date accreditation resources available on APHL’s website
• Newly revised Data Acceptance White Paper (January 2019)
Best Practices for Submission of Actionable Human and Animal Food Testing Data Generated in State and Local Laboratories

JANUARY 2019

ISO/IEC 17025 Accreditation

Resources

- Success stories
- Gap analyses between 2005 & 2017 versions of ISO/IEC 17025
- Proficiency Testing Providers list (EPTIS database)
- Adding resources to document repository
- Newly revised Data Acceptance White Paper (January 2019)
- PFP Laboratory Best Practices Manual and Compliance Checklist
ISO/IEC 17025 Accreditation

Resources

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Resources

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• PFP Laboratory Best Practices Manual/ Compliance Checklist

• Lessons learned from first labs transitioning to ISO/IEC 17025:2017
Accreditation Consultant

Working with ten laboratories:

• Hawaii Department of Health (Accredited!)
• Michigan Department of Health (Accredited!)
• New Hampshire Division of Public Health Services
• New Mexico Department of Health
• New Mexico State University
• Oklahoma Department of Agriculture
• Pennsylvania Department of Health
• South Dakota State University
• Tennessee Department of Health
• Washington Department of Health
GenomeTrakr Trainings & Meetings

- Assist FDA’s GenomeTrakr with the development and delivery of bioinformatics training.

- Provide logistical support and assist with planning for annual in-person GenomeTrakr meetings.
eLEXNET & Data Exchange

- Future of eLEXNET
- Laboratory concerns and challenges
- How to most effectively utilize the platform

- National Food Safety Data Exchange (NFSDX)
Supporting additional GOOD Test Portions laboratory trainings

• Supported development of a laboratory training course based on GOOD Test Portions

• Working with AAFCO to provide support for up to three additional GOOD Test Portions trainings

• If your laboratory is interested in hosting a training, contact Nancy Thiex (nancy.thiex@gmail.com)
## Laboratory Framework

### Human and Animal Food Laboratory Professionals Curriculum Framework - Dec 2018

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<thead>
<tr>
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<th>Accreditation Certification</th>
<th>Advocacy</th>
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**Certifications & Certifications**

- Animal Food
- Human Food
- Shellfish
- Instrument Repair
- Laboratory Evaluation Officer
- Coaching
- Methodology
- Animal Health
- Animal Food
- Shellfish

**Expert (Program Specific)**

- Acidified Foods
- Advanced Leadership
- Allergens
- Evidence-Based Decision Making
- Grant Writing
- Internal Audit
- Labeling
- Measurement Uncertainty
- Method Development/Development
- Risk Analysis
- Chemistry
- Microbiology

**Mid (Program Specific)**

- Animal Food
- Animal Health
- Dairy
- Environmental
- Human Food
- Shellfish
- Audit
- Hazardous Material Shipping
- Infection Agent Shipping
- Waste Management
- Animal Food Safety
- Animal Health
- Food Safety
- Environmental Conditions
- Milk and Dairy Product Safety
- Shellfish

**Mid**

- Advanced Communication Skills
- Advanced Quality Techniques
- Basic Leadership Skills
- Critical Thinking
- Evidentiary Integrity
- Human and Animal Food Incident Response
- Laboratory Networks and Partnerships
- Legal Proceedings
- Method Evaluation and Selection
- Root Cause Analysis

**Entry (Program Specific)**

- Animal Food
- Environmental
- Animal Health
- Biosafety Level 3
- Dairy Regulatory Programs
- Select Agents
- Shellfish

**Entry (Program Specific)**

- Basic Chromatography
- Basic Separation/Extraction Techniques
- Basic Spectrometry
- Basic Spectroscopy
- Aseptic Techniques
- Basic Foodborne Pathogens
- Microbial Testing

**Entry**

- Accreditation Certification
- Basic Communication Skills
- Basic Laboratory Math
- Basic Laboratory Statistics
- Basic Laboratory Techniques
- Chain of Custody
- Ethics
- Incident Command System (ICS)
- Integrated Food System (IFS)
- Laboratory Information Management System (LIMS)
- Method Resources
- Public Health Principles
- Quality Management Systems
- Regulatory Programs
- Regulatory Sampling
- Safety
- Sample Handling
- Waste Management

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Laboratory Framework

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# Laboratory Framework

## Human and Animal Food Laboratory Professionals Curriculum Framework - Dec 2018

**Senior Administration**
- Accreditation/Certification
- Advocacy
- Budget
- Change Management
- Continuity of Operations
- Facility Management
- Human Resource Management
- ISO 9001:2015
- Legislative Affairs

**Supervisor/Manager Program Specific**
- Advanced Chemistry
- Advanced Microbiology
- Conflict Resolution and Mediation
- Incident Command System (ICS)
- Negotiation
- Risk Communication Introduction

**Expert (Program Specific)**
- Animal Food
- Human Food
- Shellfish
- Instrument Design
- Laboratory Evaluation Officer
- Coaching
- Sample Technology

**Expert**
- Accredited Foods
- Advanced Leadership
- Allergens
- Evidence-Based Decision Making
- Grant Writing
- Internal Audit
- Labeling
- Measurement Uncertainty
- Method Modification/Development
- Risk Analysis

**Mid (Program Specific)**
- Gas Chromatography - Mass Spectrometry (GC-MS)
- Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)
- Liquid Chromatography - Mass Spectrometry (LC-MS)
- National Laboratory Networks Methods
- Radiological
- Environmental
- Animal Health
- Dairy
- Food Safety
- Environmental Conditions
- Milk and Dairy Product Safety

**Entry (Program Specific)**
- Animal Food
- Environmental
- Animal Health
- Biosafety Level 3
- Dairy Regulatory Programs
- Select Agents
- Shellfish
- Environmental Conditions

**Entry**
- Accreditation Certification
- Basic Communication Skills
- Basic Laboratory Skills
- Basic Laboratory Math
- Basic Laboratory Techniques
- Ethics
- Incident Command System (ICS)
- Integrated Food Safety System (IFS)
- Laboratory Information Management System (LIMS)
- Laboratory Safety
- Laboratory Quality Management Systems
- Laboratory Regulatory Systems
- Microbial Testing
- Sample Handling
- Waste Management

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Resources

- APHL Accreditation Resources
- List of Proficiency Testing Providers
- State Human & Animal Food Laboratory Professionals Curriculum Framework
- Data Acceptance White Paper (January 2019)
- APHL Quality Management Training Series
- APHL Accreditation Resource Repository (restricted access)
- GenomeTrakr Network
- GOODSamples
- GOOD Test Portions
Thank you

It's definitely food poisoning. But what did you expect? After all, they were green. In the future, I would not eat them here nor there... I wouldn't eat them anywhere.

Robyn Randolph
robyn.randolph@aphl.org
240.485.2732