

# **DIAGNOSTIC PARASITOLOGY II: BLOODBORNE & TISSUE PARASITES**

CENTERS FOR DISEASE CONTROL AND PREVENTION  
SEPTEMBER 20 — 23, 2016 • ATLANTA, GA

P.A.C.E.® Course #: 288-005-16  
Florida #: 20-476741



## Sponsored by:

*The Division of Parasitic Diseases and Malaria, Center for Global Health; and the Laboratory Training Team, Laboratory Training and Services Branch, Division of Laboratory Systems, Center for Surveillance, Epidemiology, and Laboratory Services; Centers for Disease Control and Prevention*

## Location

Centers for Disease Control and Prevention, Atlanta, GA

## Audience

This intermediate-level, hands-on program is intended for laboratory professionals who work in public health or clinical microbiology laboratories, are proficient using a microscope, and have experience identifying blood and tissue parasites.

## Faculty

Parasitic Diseases Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, CDC, Atlanta, GA

- Henry Bishop, Microbiologist
- Blaine Mathison, BS, M(ASCP), Microbiologist

## Description

Blood and tissue parasite infections remain an ongoing potential public health threat. The nation's blood supply is at risk as it has been documented that *Plasmodium* spp., *Babesia* spp., *Trypanosoma cruzi*, and *Leishmania* spp. can be acquired through contaminated blood products in addition to other well-known transmission modes. Conditions associated with human filariasis have significant impact on the physical health, economic well-being, and quality of life of infected persons. During this three and one-half day, hands-on workshop, faculty from the Centers for Disease Control and Prevention will instruct participants in how to detect and identify blood and tissue organisms. Lectures and hands-on laboratory exercises will target *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp.

## Course Objectives

At the conclusion of this program, participants will be able to:

- Explain how to prepare and stain thick and thin blood smears.
- Describe morphologic characteristics of *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp.
- Detect and identify *Plasmodium* spp., *Babesia* spp., microfilariae, *Leishmania* spp., and *Trypanosoma* spp. in clinical specimens.
- Discuss diagnostic testing available for *Plasmodium* spp., *Babesia* spp., *Leishmania* spp., and *Trypanosoma* spp.

## APPLICATION & REGISTRATION

### \* FREE REGISTRATION

#### NEW TWO-PART APPLICATION PROCESS!

Both parts must be submitted by **June 6, 2016** to be considered.

1. Complete the application form [online](#)
  2. Submit a brief CV or resume highlighting your experience in the area of laboratory testing relevant to this course. Email CV or resume to [labtraining@cdc.gov](mailto:labtraining@cdc.gov). Type "288-005-16 DIAGNOSTIC PARASITOLOGY II: Bloodborne and Tissue Parasites" in the line of the email.
    - If you are unable to complete the application online, notify Karen Ching at 404-498-6403 or email [kching@cdc.gov](mailto:kching@cdc.gov).
    - Click this [link](#) for an example of a brief CV.
- Participants will be selected according to the applicants' job description, experience, and responsibilities.
  - Only completed applications received by the deadline will be considered.
  - Notification of acceptance status will be sent via email by **June 10, 2016**.

### Security Clearance Requirements

**NON-US CITIZENS** — This course will be held at the training laboratory on the CDC Roybal campus. Due to CDC requirements for security clearance, all non-US citizens will be asked to provide information needed to obtain clearance. Detailed instructions will be provided upon acceptance into the course. Please do not make any nonrefundable travel plans until you have received confirmation of acceptance into the course and security clearance approval. The information you provide will only be used for the purposes of attending this course.

**US CITIZENS** - If you are a US citizen, there is no extra clearance process required.

### Continuing Education Units (CEU)

The Centers for Disease Control and Prevention Laboratory Training Team is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **17** contact hours.

This course has been approved for **24** contact hours in the category of Microbiology /Mycology / Parasitology for Florida Laboratory Licensees.

## Course Organizers

Laboratory Training Team, Laboratory Training and Services Branch, Division of Laboratory Systems, Center for Surveillance, Epidemiology, and Laboratory Services, Centers for Disease Control and Prevention, Atlanta, GA

- *Rebecca Bandea, M.Ed*, Health Scientist, E-mail: [rbandea@cdc.gov](mailto:rbandea@cdc.gov)
- *Karen Ching, Ph.D*, Health Scientist, E-mail: [kching@cdc.gov](mailto:kching@cdc.gov)

## Disclosure

CDC, our planners, and our presenters wish to disclose they have no financial interests or other relationships with the manufacturers of commercial products, suppliers of commercial services, or commercial supporters. Presentations will not include any discussion of the unlabeled use of a product or a product under investigational use.

Use of trade names and commercial sources is for identification only and does not imply endorsement by the Division of Laboratory Systems, Center for Surveillance, Epidemiology, and Laboratory Services, Centers for Disease Control and Prevention, or the U.S. Department of Health and Human Services.

## Special Needs

In compliance with the Americans with Disabilities Act (ADA), individuals seeking special accommodations should submit their request in writing to [rbandea@cdc.gov](mailto:rbandea@cdc.gov) or phone 404-639-4554 at least three weeks before the program. Please allow sufficient time for CDC to make arrangements which is normally at least three weeks prior to the start date of course.

## QUESTIONS

Please contact Karen Ching at 404-498-6403 or email [kching@cdc.gov](mailto:kching@cdc.gov).

## AGENDA

### DAY 1—Tuesday, Sept. 20, 2016

TIME	TYPE	ITEM	SPEAKER
8:00 am	Lecture	Introduction	Karen Ching
8:30 am	Lecture	Safety Briefing	
8:45am	Lecture	Pre-Test	Blaine Mathison
9:45 am	Break	Break	
10:00 am	Lecture	Lecture: <i>Plasmodium</i> spp. - General	Henry Bishop
11:30 am	Lunch	Cafeteria	
12:30 pm	Lecture	<i>Plasmodium</i> spp. – Species Comparison	Blaine Mathison
1:30 pm	Lab	<i>Plasmodium</i> and Preparation of Blood Smears	Bishop/Mathison
3:15 pm	Break	Break	
3:30 pm	Lab	<i>Plasmodium</i> and Preparation of Blood Smears	Bishop/Mathison
4:15 pm	Lecture	Questions and Answers	Bishop/Mathison
4:30 pm		Adjourn	

### DAY 2—Wednesday, Sept. 21, 2016

TIME	TYPE	ITEM	SPEAKER
8:30 am	Lecture	<i>Babesia</i>	Henry Bishop
9:15 am	Break	Break	
9:30 am	Lab	<i>Plasmodium</i> and <i>Babesia</i>	Bishop/Mathison
11:30 am	Lunch	Lunch	
12:30 pm	Lecture	Microfilariae	Blaine Mathison
1:30 pm	Lab	Organisms, To Date	Bishop/Mathison
2:30 pm	Break	Break	
2:45 pm	Lab	Organisms, To Date	Bishop/Mathison
4:15 pm	Lecture	Questions and Answers	Bishop/Mathison
4:30 pm		Adjourn	

**DAY 3—Thursday, Sept. 22, 2016**

<b>TIME</b>	<b>TYPE</b>	<b>ITEM</b>	<b>SPEAKER</b>
<b>8:30 am</b>	Lecture	Leishmaniasis and Trypanosomes	Henry Bishop
<b>9:15 am</b>	Break	Break	
<b>9:30 am</b>	Lab	Organisms, To Date	Bishop/Mathison
<b>11:30 am</b>	Lunch	Lunch	
<b>12:30 pm</b>	Lecture	Telediagnosis	Blaine Mathison
<b>1:15 pm</b>	Lab	Organisms, To Date	Bishop/Mathison
<b>2:15 pm</b>	Break	Break	
<b>2:30 pm</b>	Lab	Organisms, To Date	Bishop/Mathison
<b>4:15 pm</b>		Questions and Answers	Bishop/Mathison
<b>4:30 pm</b>		Adjourn	

**DAY 4—Friday, Sept. 23, 2016**

<b>TIME</b>	<b>TYPE</b>	<b>ITEM</b>	<b>SPEAKER</b>
<b>8:30 am</b>	Lecture	Rapid Diagnostic Tests (RDTs) for malaria	Henry Bishop
<b>9:30 am</b>	Break	Break	
<b>9:45 am</b>	Lab	Review of all Organisms, RDTs	Bishop/Mathison
<b>11:30 am</b>	Lunch	Lunch	
<b>12:30 pm</b>	Lecture	Review, Q & A	Bishop/Mathison
<b>12:45 am</b>	Lecture	Post-Test	Blaine Mathison
<b>1:45 pm</b>	Break		
<b>2:00 pm</b>		Evaluation	Karen Ching
<b>2:30 pm</b>		Adjourn	