**Diagnostic Parasitology I: Intestinal Organisms & Arthropods**

**APPLICATION & REGISTRATION**

* FREE REGISTRATION

Application Deadline: April 20, 2015

- The preliminary application is to be completed online at [https://www.surveymonkey.com/r/2015intestinal](https://www.surveymonkey.com/r/2015intestinal)
- If you are unable to complete the application online, notify Karen Ching at 404-498-6403 or email kching@cdc.gov.
- Only completed application received by the deadline will be considered.
- Participants will be selected according to the applicants' job description, experience, and responsibilities.
- Notification of acceptance status will be sent via email by April 24, 2015.

**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

**QUESTIONS**

Please contact Karen Ching at 404-498-6403 or email kching@cdc.gov.

P.A.C.E. * Course #: 288-013-15
Florida #: 20-476739

**Sponsored by the Division of Parasitic Diseases and Malaria, and the Laboratory Training Branch, Centers for Disease Control and Prevention**

**DESCRIPTION**

Diagnosis of most parasitic infections is based upon the morphologic characteristics of eggs and larvae of helminths, cysts, and trophozoites of protozoa, and immature and adult arthropods. Therefore, it is necessary to correctly process, examine, detect, and identify parasitic organisms from clinical specimens. During this four-day, intermediate-level, hands-on workshop, faculty from the Centers for Disease Control and Prevention will instruct participants in how to detect and identify medically-important intestinal helminths, intestinal protozoa, and arthropods.

**AUDIENCE**

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

**LOCATION**

Centers for Disease Control and Prevention, Atlanta, GA

**OBJECTIVES**

At the conclusion of this program, participants will be able to:
- Describe morphologic characteristics of intestinal helminths, intestinal protozoa, and arthropods of public health concern.
- Microscopically detect and identify helminths and protozoa.
- Recognize the common genera and species of medically important arthropods.
- Detect *Cyclospora cayetanensis* using fluorescence microscopy.
- Discuss the process of clearing or staining proglottids with lactophenol or India ink.

**CONTINUING EDUCATION**

The Centers for Disease Control and Prevention Laboratory Training Branch 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 23 contact hours in the category of Microbiology/Mycology/Parasitology for Florida Laboratory Licensees.
# Diagnostic Parasitology I: Intestinal Organisms & Arthropods

## AGENDA

### Tuesday, July 21
- 8:00 a.m. Welcome and Course Overview
- 8:30 a.m. Safety
- 8:45 a.m. Pre-test
- 9:45 a.m. Break
- 10:00 a.m. Lecture: Flagellates, Ciliates, *Blastocystis*
- 10:30 a.m. Lab: Flagellates, Ciliates, *Blastocystis*
- 11:30 a.m. Lunch
- 12:30 p.m. Lecture: Intestinal Amoebae
- 1:30 p.m. Lab: Protozoa, to date
- 3:00 p.m. Break
- 3:15 p.m. Lab: Protozoa, to date
- 4:15 p.m. Question and Answer
- 4:30 p.m. Adjourn

### Wednesday, July 22
- 8:30 a.m. Lecture: Intestinal Coccidia
- 9:30 a.m. Lecture: microsporidia
- 10:15 a.m. Break
- 10:30 a.m. Lab: protozoa, to date
- 11:30 a.m. Lunch
- 12:30 p.m. Lecture: Intestinal Cestodes
- 1:30 p.m. Lab: Cestodes, Protozoa to date
- 3:15 p.m. Break
- 3:30 p.m. Lab: Cestodes, Protozoa to date
- 4:15 p.m. Question and Answer
- 4:30 p.m. Adjourn

### Thursday, July 23
- 8:30 a.m. Lecture: Intestinal Trematodes
- 9:30 a.m. Lab: Helminths, Protozoa to date
- 10:15 a.m. Break
- 10:30 a.m. Lab: Helminths, Protozoa to date
- 11:30 a.m. Lunch
- 12:30 p.m. Lecture: Intestinal Nematodes
- 1:15 p.m. Lab: Helminths, Protozoa (all)
- 2:30 p.m. Break
- 2:45 p.m. Lecture: Telediagnosis
- 3:15 p.m. Lab: Helminths, Protozoa (all)
- 4:15 p.m. Questions and Answers
- 4:30 p.m. Adjourn

### Friday, July 24
- 8:30 a.m. Lecture: Arthropods
- 9:15 a.m. Lab: All organisms and review
- 10:15 a.m. Break
- 10:30 a.m. Lab: All organisms and review
- 11:30 a.m. Lunch
- 12:30 p.m. Lecture: Review, Q&A
- 12:45 p.m. Post-test
- 1:45 p.m. Break
- 2:00 p.m. Evaluation
- 2:30 p.m. Adjourn

## 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 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.

## 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.