

# Continuing Education Resources for Wisconsin Laboratories

Compiled by  
Wisconsin State Laboratory of Hygiene  
In Collaboration with  
Training and Education Committee  
Of the  
Wisconsin Clinical Laboratory Technical Advisory Group  
Created October 21, 2008 / Updated December 6, 2012



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Table of Contents

<b>Listings by Topic</b>	<b>Page(s)</b>
<b>Anaerobes</b>	<b>3</b>
<b>Antimicrobial Susceptibility</b>	<b>3-5</b>
<b>Biosafety</b>	<b>5</b>
<b>Bioterrorism</b>	<b>5</b>
<b>Bioterrorism Agents</b>	<b>6-7</b>
<b>Bloodborne Pathogens</b>	<b>7</b>
<b>Case Studies</b>	<b>7</b>
<b>Emerging Infections</b>	<b>7</b>
<b>Gram Stain</b>	<b>7-8</b>
<b>Laboratory Response Network</b>	<b>8</b>
<b>Malaria</b>	<b>8</b>
<b>Microbiology</b>	<b>8-11</b>
<b>Microscopy</b>	<b>11</b>
<b>Molecular Diagnostics</b>	<b>11</b>
<b>Mycobacteriology</b>	<b>11</b>
<b>Mycology</b>	<b>12</b>
<b>Packaging &amp; Shipping</b>	<b>12</b>
<b>Parasitology</b>	<b>13-14</b>
<b>Phlebotomy</b>	<b>14</b>
<b>Sexually Transmitted Diseases</b>	<b>14</b>
<b>Specimen Collection</b>	<b>14</b>
<b>Viruses</b>	<b>14-15</b>
<b>Multiple Topics</b>	<b>15-16</b>
<b>Listings by Audioconf. Provider</b>	<b>17-19</b>
<b>Microbiology Web Sites of Interest</b>	<b>20-21</b>
<b>Listservers of Interest</b>	<b>22</b>
<b>Professional Organizations</b>	<b>23</b>
<b>Scope it Out: Other Sites of Interest</b>	<b>24</b>

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC / TITLE	FORMAT	ACCESS	COST	P.A.C.E. / CEU	PRESENTER / PROVIDER
<b>ANAEROBES</b>					
<b>Anaerobes: It Doesn't Have to Be Rocket Science!</b>	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm">http://www.cacmle.org/microbiology.htm</a>	Variable	CE	Robert Fader/ CACMLE
Anaerobic Bacteriology for Today's Clinical Laboratory	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm">http://www.cacmle.org/microbiology.htm</a>	Variable	CE	Robert Fader/ CACMLE
<b>"Anaerobic Culture: When, What, How and How Far to Test"</b>	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=204">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=204</a>	Free	No	Carol Spiegel
<b>ANTIMICROBIAL SUSCEPTIBILITY</b>					
Animation of Mechanisms of Antimicrobial Resistance	Animated Video	<a href="http://www.fda.gov/AnimalVeterinary/SafetyHealth/AntimicrobialResistance/ucm134359.htm">http://www.fda.gov/AnimalVeterinary/SafetyHealth/AntimicrobialResistance/ucm134359.htm</a>	Free	No	FDA
Antibacterial Agents: Mechanisms of Action, Mechanisms of Resistance	Online Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss108.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss108.htm</a>	Variable	CE	Joel Mortenson/ CACMLE
Antibiotics 101 for Laboratory Professionals (Part 1)	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=176">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=176</a>	Free	No	Erik Munson, PhD/WSLH
Antibiotics 101 for Laboratory Professionals (Part 2)	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=177">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=177</a>	Free	No	Erik Munson, PhD/WSLH
Antibiotics 102: Reading and Interpreting CLSI Antimicrobial Susceptibility Performance Documents	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=178">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=178</a>	Free	No	Dave Warshauer, PhD /WSLH
Antibiotics of Last Resort: Carbapenems, Colistin and Tigecycline and Others	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$35	No	William Pasculle, Ph.D./SCACM
<b>Antimicrobial Stewardship Program</b>	Archived Audioconf.	<a href="http://www.scacm.org/2010SCACMAudioconferenceSeries.pdf">http://www.scacm.org/2010SCACMAudioconferenceSeries.pdf</a>	\$40	No	<b>Daryl DePestel, PharmD</b>
<b>CDC website with current data on antibiotic resistance</b>	<b>Online Resource</b>	<a href="http://www.cdc.gov/drugresistance/index.html">http://www.cdc.gov/drugresistance/index.html</a>	Free	No	<b>CDC</b>
Challenges in the Laboratory Detection and Confirmation of Antibiotic Resistance	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$35	No	Jean Patel, Ph.D./SCACM

**Continuing Education Resources for Wisconsin Laboratories**  
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<b>ANTIMICROBIAL SUSCEPTIBILITY (cont.)</b>					
Challenges in Antimicrobial Susceptibility Testing - 2010	Workshop Presentations	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=179">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=179</a>	Free	No	Multiple
CLSI 2012 AST Update	Archived Audioconf.	<a href="https://www.aphlnet.org/eweb/DynamicPage.aspx?Site=APHL&amp;WebKey=5b51f386-b2d9-4bad-ba4a-cbfd5e1cb236&amp;RegPath=EventRegFees&amp;REg_evt_key=1b3e56ca-3a21-4f67-8099-7242baee17e5">https://www.aphlnet.org/eweb/DynamicPage.aspx?Site=APHL&amp;WebKey=5b51f386-b2d9-4bad-ba4a-cbfd5e1cb236&amp;RegPath=EventRegFees&amp;REg_evt_key=1b3e56ca-3a21-4f67-8099-7242baee17e5</a>	\$95	P.A.C.E. Until 8/1/12	Janet F. Hindler, MCLS, MT(ASCP)/APHL
Clinical breakpoints, expert rules, susceptibility news. <i>Note: breakpoints are for non U.S. sites</i>	Online Resource	<a href="http://www.eucast.org/">http://www.eucast.org/</a>	Free	No	European Committee on Antimicrobial Susceptibility Testing
FDA discussion on antibiotic resistance	Online Resource	<a href="http://www.fda.gov/NewsEvents/PublicHealthFocus/ucm235649.htm">http://www.fda.gov/NewsEvents/PublicHealthFocus/ucm235649.htm</a>	Free		FDA
Many aspects of antimicrobial resistance	Online Resource	<a href="http://www.niaid.nih.gov/topics/antimicrobialresistance/Pages/default.aspx">http://www.niaid.nih.gov/topics/antimicrobialresistance/Pages/default.aspx</a>	Free	No	National Institute of Allergy and Infectious Diseases
(MASTER) Multi-level Antimicrobial Susceptibility Testing Resources	Online Resource	<a href="http://wwwn.cdc.gov/dls/master/default.aspx">http://wwwn.cdc.gov/dls/master/default.aspx</a>	Free	No	CDC
The e-learning module "Modes & Mechanisms of antimicrobial agents"	Online Resource	<a href="http://wwwn.cdc.gov/dls/master/ams/intro/open.swf">http://wwwn.cdc.gov/dls/master/ams/intro/open.swf</a>	Free	No	CDC
Phenotypic Detection of $\beta$ -Lactamase Resistance in Gram-Negative Bacilli: Testing and Interpretation Guide (Rev. 2-21-12)	Online Resource	<a href="http://www.scacm.org/PhenotypicDetectionAntibioticResistance_rev5.pdf">http://www.scacm.org/PhenotypicDetectionAntibioticResistance_rev5.pdf</a>	Free	No	Paul Schreckenberger, Ph.D

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<b>ANTIMICROBIAL SUSCEPTIBILITY (cont.)</b>					
Presentations from the 2012 Spring SCACM meeting, Indianapolis, Indiana	Online Resource	<a href="http://www.scacm.org/2012SCACMSpringMeetingCDorderform.pdf">http://www.scacm.org/2012SCACMSpringMeetingCDorderform.pdf</a>	\$50.00, non member \$30.00 member	No	Jean B. Patel, Ph.D., Nathan A Ledebauer, Ph.D.,
Recognition and Detection of ESBLs. AmpC and KPC producing Gram negative bacilli	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$35/CD	Not Known	Ellen Smith-Moland/SCACM
Review of the May 2010 Antimicrobial Susceptibility Testing Educational Exercise	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=186">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=186</a>	Free	No	Dave Warshauer, PhD/Mark Gallivan,BS/WSLH
Streptococci: The Latest on Susceptibility Testing	Archived Audioconf.	<a href="https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=63876dbd-b412-4ec5-843c-ff93a0f412ca">https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=63876dbd-b412-4ec5-843c-ff93a0f412ca</a>	\$95	P.A.C.E.	Janet F. Hindler, MCLS, MT(ASCP)/APHL
<b>BIOSAFETY</b>					
Biosafety	Online Course & Competency	<a href="http://www.medtraining.org/corpsite/">http://www.medtraining.org/corpsite/</a>	Annual subscription	P.A.C.E.	Univ. of Wash. Dept. of Lab Med.
Biosafety: Avoiding Laboratory Acquired Infections	Interactive Course	<a href="http://prepareiowa.training-source.org/training/courses#overlay=training/courses/Biosafety%253A%2520Avoiding%2520Lab%2520Acquired%2520Infections%2520%2528LAI%2529/detail">http://prepareiowa.training-source.org/training/courses#overlay=training/courses/Biosafety%253A%2520Avoiding%2520Lab%2520Acquired%2520Infections%2520%2528LAI%2529/detail</a>	Free	Not Known	Univ. Hygienic Laboratory, Univ. of Iowa
Hand Hygiene Resource Web Page	Interactive Course	<a href="http://www.cdc.gov/handhygiene/training/interactiveEducation/">http://www.cdc.gov/handhygiene/training/interactiveEducation/</a>	Free	No	CDC
Laboratory Biosecurity: Build Security into Good Laboratory Practices	Online Course, Exam	<a href="http://www.cdc.gov/biosafety/training/index.htm">http://www.cdc.gov/biosafety/training/index.htm</a>	Free	No	CDC
<b>BIOTERRORISM</b>					
Introduction to Bioterrorism	Online Course	<a href="http://www.medialabinc.net/bioterrorism.aspx">http://www.medialabinc.net/bioterrorism.aspx</a>	Multiple options	P.A.C.E.	Garland Pendergraph/MediaLab, Inc
The History of Bioterrorism	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/">http://www.bt.cdc.gov/training/historyofbt/</a>	Free	No	CDC

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<b>BIOTERRORISM AGENTS</b>					
Anthrax: Training and Education	Slide sets	<a href="http://www.bt.cdc.gov/agent/anthrax/training/">http://www.bt.cdc.gov/agent/anthrax/training/</a>	Free	No	CDC
Bioterrorism Preparedness Training for LRN Sentinel Laboratories	7-Module Online Course	<a href="http://www.bttrain.org/">http://www.bttrain.org/</a>	\$50/7 modules; \$10/module	P.A.C.E.	CA Dept. of Health Services/ APHL
Brucella spp.: Review of WCLN Spring 2009 Proficiency Exercise	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=158">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=158</a>	Free	No	Dave Warshauer, PhD/Tom Wisniewski, MS /WSLH
Burkholderia mallei / pseudomallei: Review of the WCLN Fall 2010 Proficiency Exercise	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=196">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=196</a>	Free	No	Dave Warshauer, PhD/Tom Wisniewski, PhD /WSLH
Electronic BT Workshop for Sentinel Labs	On-line Course	<a href="http://prepareiowa.training-source.org/training/courses#overlay-context=training/courses&amp;overlay=training/courses/Electronic%20BT%20Workshop%20for%20Sentinel%20Labs/detail">http://prepareiowa.training-source.org/training/courses#overlay-context=training/courses&amp;overlay=training/courses/Electronic%20BT%20Workshop%20for%20Sentinel%20Labs/detail</a>	Free	Not Known	Univ. Hygienic Laboratory, Univ. of Iowa
F. tularensis: Review of April 2010 Educational BT Proficiency Exercise Agent	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=182">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=182</a>	Free	No	Dave Warshauer, PhD/Nathan Ledebor, PhD
The History of Bioterrorism: Botulism	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/05botulism.asp">http://www.bt.cdc.gov/training/historyofbt/05botulism.asp</a>	Free	No	CDC
The History of Bioterrorism: Plague	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/03plague.asp">http://www.bt.cdc.gov/training/historyofbt/03plague.asp</a>	Free	No	CDC
The History of Bioterrorism: Smallpox	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/04smallpox.asp">http://www.bt.cdc.gov/training/historyofbt/04smallpox.asp</a>	Free	No	CDC
The History of Bioterrorism: Tularemia	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/07tularemia.asp">http://www.bt.cdc.gov/training/historyofbt/07tularemia.asp</a>	Free	No	CDC
The History of Bioterrorism: Viral Hemorrhagic Fevers	Archived video	<a href="http://www.bt.cdc.gov/training/historyofbt/06vhf.asp">http://www.bt.cdc.gov/training/historyofbt/06vhf.asp</a>	Free	No	CDC

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**Created October 21, 2008 / Updated December 6, 2012**

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<b>BIOTERRORISM AGENTS (cont.)</b>					
Y. Pestis: WCLN April 2008 Proficiency Exercise	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=133">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=133</a>	Free	No	Dave Warshauer, PhD / Tom Novicki, PhD / WSLH
<b>BLOODBORNE PATHOGENS</b>					
Introduction to Bloodborne Pathogens	Online Course	<a href="http://www.usg.edu/ehs/training/pathogens/index.phtml">http://www.usg.edu/ehs/training/pathogens/index.phtml</a>	Free	None	Univ. System of Georgia
OSHA Bloodborne Pathogens	Online Course	<a href="http://www.medialabinc.net/osha-bloodborne-pathogens.aspx">http://www.medialabinc.net/osha-bloodborne-pathogens.aspx</a>	Multiple options	P.A.C.E.	Terry Jo Gile / MediaLab, Inc.
<b>CASE STUDIES</b>					
Current Topics in Clinical Microbiology	Online Course- Case Studies	<a href="http://www.medialabinc.net/current-topics-in-clinical-microbiology.aspx">http://www.medialabinc.net/current-topics-in-clinical-microbiology.aspx</a>	Varies; multiple options	P.A.C.E.	Elmer W. Koneman & Christie A. Grueser / MediaLab, Inc.
Malaria: Clinical Case Studies	Case Studies	<a href="http://www.cdc.gov/malaria/references_resources/interactive_training/">http://www.cdc.gov/malaria/references_resources/interactive_training/</a>	Free	No	CDC
<b>EMERGING INFECTIONS</b>					
Emerging Infections of International Public Health Importance	Modular on-line course; reading list	<a href="http://depts.washington.edu/eminf/">http://depts.washington.edu/eminf/</a>	Free	No	Ann M. Kimball & Carrie Horwitch / Univ. of Wash.
<b>GRAM STAIN</b>					
Gram Stain	Online Course & Competency	<a href="http://www.medtraining.org/corpsite/labcontent.aspx">http://www.medtraining.org/corpsite/labcontent.aspx</a>	Annual subscription	P.A.C.E.	Univ. of Washington. Dept. of Lab Medicine
Pink or Purple? A Visual Tour of Gram Stains	Self-Study CD Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss132.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss132.htm</a>	Variable	CE	Susan Rainone / CACMLE
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**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

				CEU	PROVIDER
<b>GRAM STAIN (cont.)</b>					
Reading Gram Stained Direct Smears	On-line Course	<a href="http://www.medialabinc.net/reading-gram-stained-direct-smears.aspx">http://www.medialabinc.net/reading-gram-stained-direct-smears.aspx</a>	Multiple options	P.A.C.E.	Betty Smith & Jaimy Hill/ MediaLab, inc.
Reading Gram Stained Smears From Culture	On-line Course	<a href="http://www.medialabinc.net/reading-gram-stained-smears-cultures.aspx">http://www.medialabinc.net/reading-gram-stained-smears-cultures.aspx</a>	Multiple options	P.A.C.E.	Betty Smith & Mary Ann Fiene & Rukhsana Evans/MediaLab, Inc.
The Gram Stain: Learning the Basics	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=99">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=99</a>	Free	No	Richard Thomson/WSLH
The Gram Stain: Advanced Interpretation	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=100">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=100</a>	Free	No	Richard Thomson/WSLH
<b>LABORATORY RESPONSE NETWORK (LRN)</b>					
Everything Clinical Microbiologists Need to Know about the LRN	Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$30	No	Jasmine Chaitram, MPH/SCACM
<b>MALARIA</b>					
Clinical Case Studies	Case Studies	<a href="http://www.cdc.gov/malaria/references_resources/interactive_training/">http://www.cdc.gov/malaria/references_resources/interactive_training/</a>	Free	No	CDC
<b>MICROBIOLOGY</b>					
<b>A Review of Creutzfeldt-Jakob with an Emphasis on Clinical Laboratory Issues</b>	<b>Archived Audioconf</b>	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=220">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=220</a>	<b>Free</b>	<b>Yes</b>	<b>Jean Druckenmiller BS/WSLH</b>
Atypical pneumonia: Bacterial causes and their detection	Archived Audioconf	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=211">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=211</a>	Free	P.A.C.E. For 1 year	Sue Kehl, PhD/WSLH
Bacterial Detection in Blood Donations	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$30	No	William Lockwood, M.D. / SCACM
<b>Basic Laboratory Procedures in Clinical Microbiology, 2<sup>nd</sup> Ed</b>	<b>Text book</b>	<a href="http://whqlibdoc.who.int/publications/2003/9241545453.pdf">http://whqlibdoc.who.int/publications/2003/9241545453.pdf</a>	<b>Free</b>	<b>No</b>	<b>World Health Organization</b>



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TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>MICROBIOLOGY (cont.)</b>					
Blastomycosis in Wisconsin	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=138">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=138</a>	Free	No	Dave Warshauer, PhD; John Pfister,MS /WSLH
Blood Cultures—Current Methods/Future Trends	Archived Audioconf.	<a href="https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=eb795cb5-c0ec-47b7-a716-84b1369f442e">https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=eb795cb5-c0ec-47b7-a716-84b1369f442e</a>	\$195	P.A.C.E.	Michael L. Wilson, MD/APHL
What's New With Bordetella?	Archived Audioconf	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=213">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=213</a>	Free	No	Dave Warshauer, PhD/WSLH
Case Study Course on Clinical Assessment, Treatment, and Prevention of Lyme Disease	On-line Course	<a href="http://lymecourse.idsociety.org/">http://lymecourse.idsociety.org/</a>	Free	CME	Janet Gilsdorf, MD, et al IDSA
Changing epidemiology of Clostridium difficile in U.S.	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$30/CD	Not Known	Brandi Limbago/SCACM
Clostridium difficile Infections: So many tests, which one to choose?	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=203">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=203</a>	Free	No	Raymond Podzorski, PhD/WSLH
<b>Comparison of the Traditional and Reverse Syphilis Screening Algorithms</b>	<b>Archived Audioconf</b>	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=223">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=223</a>	<b>Free</b>	<b>Yes</b>	<b>Elitza Theel PhD/WSLH</b>
Culture of Blood, CSF, and Other Sterile Body Fluids	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=144">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=144</a>	Free	No	Nathan Ledeboer, PhD /WSLH
Culture of Sputum, Throat, & Other Respiratory Specimens	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=145">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=145</a>	Free	No	Carol Spiegel, PhD /WSLH
Culture of Stool Specimens	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=147">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=147</a>	Free	No	Sue Kehl, PhD /WSLH
Culture of Urine Specimens	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=146">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=146</a>	Free	No	Sue Kehl, PhD /WSLH

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>MICROBIOLOGY (cont.)</b>					
Haemophilus and the HACEK Group of Organisms: Suggestions on What to do With Tiny Gram Negative Coccobacilli	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=209">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=209</a>	Free	No	Tom Wisniewski, M.S.RM (AAM)/WSLH
Laboratory Testing of Genital Tract Specimens	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=170">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=170</a>	Free	No	Carol Spiegel, PhD /WSLH
Lethal and Benign: Aerobic and Facultative Gram-Positive Bacilli	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm">http://www.cacmle.org/microbiology.htm?ifrm</a>	Variable	CE	William Janda/ CACMLE
Lyme Disease, Human Granulocytic Anaplasmosis and Babesiosis	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=175">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=175</a>	Free	No	Thomas Novicki, PhD /WSLH
Making Sense of Microbiology for the Generalist	Archived Audioconf.	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss138.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss138.htm</a>	Variable	Yes	Lana Fairbanks, MT(ASCP)SM/ CACMLE
Microbes That Make You Run!	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss089.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss089.htm</a>	Variable	CE	Patricia Collins/ CACMLE
<b>Rabies Update for Wisconsin Laboratories - 2012</b>	<b>Archived Audioconf.</b>	<b><a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=225">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=225</a></b>	<b>Free</b>	<b>Yes</b>	<b>James Kazmierczak DVM. and James Powell MS/WSLH</b>
Rapid Identification Organisms from Blood Cultures	CD-Archived Audioconf.	<a href="http://www.scacm.org/2009SCACMAudioconf.Series.html">http://www.scacm.org/2009SCACMAudioconf.Series.html</a>	\$30/CD	Not Known	Yvette McCarter/ SCACM
Shiga Toxin-Producing E.coli: A Laboratory Challenge	On-line Course	<a href="https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=b6ab5853-93f7-4fd3-8813-df5fb21689c2">https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=b6ab5853-93f7-4fd3-8813-df5fb21689c2</a>	\$25	P.A.C.E.	APHL
Shiga Toxin-Producing E. coli in Wisconsin: Past, Present and Future	Archived Audioconf	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=195">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=195</a>	Free	No	Tim Monson, M.S./WSLH

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>MICROBIOLOGY (cont.)</b>					
Update on the "Chain Gang": Streptococci, Enterococci, and the Streptococcus-like Bacteria	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss141.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss141.htm</a>	Variable	CE	William Janda/ CACMLE
<b>MICROSCOPY</b>					
Microscopy Tutorials & Images	Text & Visuals	<a href="http://www.microscopyu.com/sitemap.html">http://www.microscopyu.com/sitemap.html</a>	Free	No	Multiple/Nikon USA
<b>MOLECULAR DIAGNOSTICS</b>					
Molecular Biology 101 for Laboratory Professionals: Part 1	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=199">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=199</a>	Free	No	Erik Munson, PhD/WSLH
Molecular Biology 101 for Laboratory Professionals: Part 2	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=201">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=201</a>	Free	No	Erik Munson, PhD/WSLH
<b>MYCOBACTERIOLOGY</b>					
Tuberculosis 101	Web-Based Workshop	<a href="http://www.nationaltbcenter.ucsf.edu/training/arch_tb101.cfm">http://www.nationaltbcenter.ucsf.edu/training/arch_tb101.cfm</a>	Free	No	Multiple Faculty/ Francis J. Curry National Tuberculosis Center
IGRAS: Can They Replace the TST?	Web-Based Seminar	<a href="http://www.nationaltbcenter.ucsf.edu/training/arch_igras.cfm">http://www.nationaltbcenter.ucsf.edu/training/arch_igras.cfm</a>	Free	No	
Tuberculosis and Diabetes	Web- Based Seminar	<a href="http://www.nationaltbcenter.ucsf.edu/training/arch_tbdm.cfm">http://www.nationaltbcenter.ucsf.edu/training/arch_tbdm.cfm</a>	Free	No	
<u>Practical Applications of Genotyping in TB Control</u>	Archived Audioconf.	<a href="http://www.nationaltbcenter.ucsf.edu/training/arch_genotyping.cfm">http://www.nationaltbcenter.ucsf.edu/training/arch_genotyping.cfm</a>	Free	No	
Use of Fluorochrome Staining for Detecting Acid-Fast Mycobacteria	Multiple Formats (Audio link ?)	<a href="http://wwwn.cdc.gov/dls/lta/afb_fluoromx.aspx">http://wwwn.cdc.gov/dls/lta/afb_fluoromx.aspx</a>	Free	No	CDC
Mycobacterium Tuberculosis: Assessing Your Laboratory	Self Assessment Tool	<a href="http://www.aphl.org/aphlprograms/infectious/tuberculosis/Pages/tbtool.aspx">http://www.aphl.org/aphlprograms/infectious/tuberculosis/Pages/tbtool.aspx</a>	Free	No	APHL

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>MYCOLOGY</b>					
Diagnostic Mycology for Laboratory Professionals (Part 1 - Yeast)	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=214">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=214</a>	Free	P.A.C.E. For 1 year	Erik Munson, PhD/WSLH
Diagnostic Mycology for Laboratory Professionals (Part 2- Systemic Molds)	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=215">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=215</a>	Free	P.A.C.E. For 1 year	Dave Warshauer, PhD/WSLH
Diagnostic Mycology for Laboratory Professionals (Part 3 – Opportunistic Molds)	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/event-detail.php?id=216">http://www.slh.wisc.edu/outreach-data/event-detail.php?id=216</a>	Free	P.A.C.E. For 1 year	Erik Munson, PhD/WSLH
Germware Mycology (A Hypermedia Computer Learning System in Clinical Mycology)	Self-Study CD Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss062.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss062.htm</a>	Variable	P.A.C.E.	Elmer W. Koneman & Christie Grueser / MediaLab, Inc.
Mycology	Online Course & Competency	<a href="http://www.medtraining.org/corpsite/labcontent.aspx">http://www.medtraining.org/corpsite/labcontent.aspx</a>	Annual subscription	P.A.C.E.	Univ. of Washington; Dept of Lab Med
Mycology: Hyaline and Dermatiaceous Fungi	Online Course	<a href="http://www.medialabinc.net/mycology_hyaline_dermatiaceous_fungi.aspx">http://www.medialabinc.net/mycology_hyaline_dermatiaceous_fungi.aspx</a>	Variable	P.A.C.E.	Elmer W. Koneman/ MediaLab, Inc.
Mycology: Yeasts and Dimorphic Pathogens	Online Course	<a href="http://www.medialabinc.net/mycology_yeasts_dimorphic_pathogens.aspx">http://www.medialabinc.net/mycology_yeasts_dimorphic_pathogens.aspx</a>	Variable	P.A.C.E.	Elmer W. Koneman/ MediaLab, Inc.
<b>PACKAGING &amp; SHIPPING</b>					
Packaging and Shipping: Division 6.2 Materials: Interactive Online Training Course	Online Course	<a href="https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=d0f4e9b4-57c2-458f-8857-20768eb380ac">https://www.aphlnet.org/eweb/DynamicPage.aspx?webcode=EventInfo&amp;RegPath=EventRegFees&amp;REg_evt_key=d0f4e9b4-57c2-458f-8857-20768eb380ac</a>	\$25/person	P.A.C.E.	APHL

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>PARASITOLOGY</b>					
Parasitology	Online Course & Competency	<a href="http://www.medtraining.org/corpsite/labcontent.aspx">http://www.medtraining.org/corpsite/labcontent.aspx</a>	Annual subscription	P.A.C.E.	Univ. of Washington. Dept. of Lab Medicine
The Most Commonly Asked Questions about Blood Parasitology	CD-Archived Audioconf.	<a href="http://www.scacm.org/sctele.htm">http://www.scacm.org/sctele.htm</a>	Unknown	No	Lynne Garcia/ SCACM
Laboratory Identification of Blood Parasites (Basic Level)	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss033_3.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss033_3.htm</a>	Variable	CE	Helen Wand/ CACMLE
Intestinal Parasites (Basic Level)	Self-Study CD Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss085.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss085.htm</a>	Variable	CE	Linda Smith/ CACMLE
The Most Commonly Asked Questions about Stool Parasitology	CD-Archived Audioconf.	<a href="http://www.scacm.org/sctele.htm">http://www.scacm.org/sctele.htm</a>	Unknown	No	Lynne Garcia/ SCACM
DPDx Monthly Case Studies	Case Studies	<a href="http://www.dpd.cdc.gov/dpdx/HTML/Cases.htm">http://www.dpd.cdc.gov/dpdx/HTML/Cases.htm</a>	Free	No	CDC
Links to varied resources	On-line courses and images	<a href="http://www.dpd.cdc.gov/dpdx/HTML/Training.htm">http://www.dpd.cdc.gov/dpdx/HTML/Training.htm</a>	Free	No	Varied
Para-Site Online	Photos, Case Studies, Quizzes	<a href="http://www.med-chem.com">http://www.med-chem.com</a> (Para-Site Online)	Free	No	Lynne Garcia/Medical Chemical Corp.
Germware Parasitology (A Hypermedia Computer Learning System in Clinical Parasitology)	Self-Study CD Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss064.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss064.htm</a>	Variable	CE	Elmer Koneman/ CACMLE
Supplemental Tutorial for Human Parasitology	Photos/Quizzes	<a href="http://www.k-state.edu/parasitology/546tutorials/titlepage.html">http://www.k-state.edu/parasitology/546tutorials/titlepage.html</a>	Free	No	Steve Upton/Kristin Michel/Kansas State Univ.

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>PARASITOLOGY (cont.)</b>					
Animal and Human Parasite Images	Photos	<a href="http://www.k-state.edu/parasitology/625tutorials/index.html">http://www.k-state.edu/parasitology/625tutorials/index.html</a>	Free	No	
<b>PHLEBOTOMY</b>					
Multiple courses	Training Videos	<a href="http://www.phlebotomy.com/category/CE.cpe">http://www.phlebotomy.com/category/CE.cpe</a>	Variable	P.A.C.E.	Center for Phlebotomy Education
Phlebotomy Basic. Pediatric, or Addvanced	Online Course	<a href="http://www.medtraining.org/corpsite/labcontent.aspx">http://www.medtraining.org/corpsite/labcontent.aspx</a>	Variable	P.A.C.E.	University of Washington
<b>SEXUALLY TRANSMITTED DISEASES</b>					
Sexually Transmitted Diseases	Self-Study Course	<a href="http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss055_1.htm">http://www.cacmle.org/microbiology.htm?ifrm_1=http://www.cacmle.org/ss055_1.htm</a>	Variable	P.A.C.E.	Donald Lehman/ CACMLE
<b>SPECIMEN COLLECTION</b>					
Specimen Collection: NP swabs, NP aspirates	Video	<a href="http://www.copanusa.com/downloads/education/">http://www.copanusa.com/downloads/education/</a>	Free	No	Copan Diagnostics Inc.
NP Specimen Collection	Video	<a href="http://content.nejm.org/cgi/content/full/NEJMe0903992/DC1">http://content.nejm.org/cgi/content/full/NEJMe0903992/DC1</a>	Free	No	NEJM
Specimen Collection - Clinically Relevant Microbiology Starts at the Source	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=101">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=101</a>	Free	No	Mike Costello, PhD/Mary Dikeman, MT (ASCP)/WSLH
<b>VIROLOGY</b>					
Influenza Update for Wisconsin Laboratories--2012	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=222">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=222</a>	Free	P.A.C.E. 1 yr. from broadcast	Pete Shult, Ph.D., Erik Reisdorf, MPH
Update on Rotavirus and Other Viral Causes of Acute Gastroenteritis	Archived Audioconf.	<a href="http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=200">http://www.slh.wisc.edu/outreach-data/past-event-detail.php?id=200</a>	Free	No	Pete Shult, PhD/Erik Reisdorf, MPH, M (ASCP)/WSLH

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER/ PROVIDER
<b>VIROLOGY (cont.)</b>					
Respiratory Viruses: An Overview	CD-Archived Audioconf.	<a href="http://www.scacm.org/sctele.htm">www.scacm.org/sctele.htm</a>	\$30/CD	No	Elizabeth Marlowe/SCACM
Viral Hepatitis Serology: Hepatitis A-E	Serology On-line Training	<a href="http://www.cdc.gov/hepatitis/Resources/Professionals/Training/Serology/training.htm">http://www.cdc.gov/hepatitis/Resources/Professionals/Training/Serology/training.htm</a>	Free		CDC
<b>MATERIALS WITH MULTIPLE TOPICS</b>					
Clinical Lab Investigations: Case Studies	On-line Case Studies	<a href="http://ascls.site-ym.com/?page=CLI">http://ascls.site-ym.com/?page=CLI</a> (Professional Development link)	Varies	P.A.C.E.	ASCLS
Multiple Topics	On-line Journal Articles with Tests	<a href="http://mlo-online.com/ce.aspx">http://mlo-online.com/ce.aspx</a>	\$20 per CEU (free journal subscription available)	12 CEUs annually	MLO Online (Medical Laboratory Observer journal with Northern Illinois University)
Multiple Topics	OnLine Distance Learning Courses	<a href="http://www.camlt.org/distance-learning">http://www.camlt.org/distance-learning</a>	\$15 per course	P.A.C.E.	CAMLT
Multiple Topics	OnLine Courses	<a href="http://www.medialabinc.net/courses.aspx">http://www.medialabinc.net/courses.aspx</a>	Varies	P.A.C.E.	MediaLab, Inc.
Multiple Topics	Archived Audioconf.s on CD's	<a href="http://www.scacm.org/sctele.htm">http://www.scacm.org/sctele.htm</a>	Varies	P.A.C.E.	SCACM
Multiple Topics	Self-Study Courses	<a href="http://www.cacmle.org/selfstudycourses.htm">http://www.cacmle.org/selfstudycourses.htm</a>	Varies	CE	CACMLE
Multiple Topics	Archived Audioconf.s	<a href="https://ce.asm.org">https://ce.asm.org</a> (Requires login and password to see list of offerings)	Varies (Must set up account)	CE	ASM

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

TOPIC/TITLE	FORMAT	ACCESS	COST	P.A.C.E./ CEU	PRESENTER / PROVIDER
<b>MATERIALS WITH MULTIPLE TOPICS (cont.)</b>					
Multiple Topics	On-line Case Studies	<a href="http://www.path.upmc.edu/cases.html">www.path.upmc.edu/cases.html</a>	Free	No	Department of Pathology Univ. of Pittsburg
Multiple Topics – LabMedicine CE Updates	Webcasts, e-courses, case studies	<a href="http://www.ascp.org/laboratory-professionals">http://www.ascp.org/laboratory-professionals</a>	Varies - Up to \$35	CMLE	ASCP
Multiple Topics – Self-Study Advance Articles	Self-Study Readings, Exams	<a href="http://laboratorian.advanceweb.com/ce/learning/learningscope.aspx">http://laboratorian.advanceweb.com/ce/learning/learningscope.aspx</a>	\$15-20	P.A.C.E.	ASCLS/Advance
Multiple Topics – Biology Wall Charts	Wall Charts	<a href="http://www.biocam.com/Biocam_wall_charts_gallery.html">http://www.biocam.com/Biocam_wall_charts_gallery.html</a>	~\$20 & S&H	No	BioCam
Multiple Topics	E-learning, podcasts, webcasts, text-based	<a href="http://www.cdc.gov/Learning/">http://www.cdc.gov/Learning/</a>	Free	CE available for some selections	CDC Learning Connections
Multiple Topics: Training Courses and Competency Tests	OnLine	<a href="http://www.medtraining.org/corpsite/default.aspx">http://www.medtraining.org/corpsite/default.aspx</a>	Annual fee provides unlimited access to staff	CE	MTS Medical Training Solutions
Various Topics: Biosafety, Bioterrorism Preparedness, etc.	Archived Audioconf., On-line Courses	<a href="http://prepareiowa.training-source.org/training/courses">http://prepareiowa.training-source.org/training/courses</a>	Free	No	Various/Univ. Hygienic Lab, Univ. of Iowa



**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

Following is a list of providers of audioconferences for continuing education and an approximation of the cost. Refer to the websites listed for further details/explanations.

- ✧ **AACC (American Association for Clinical Chemistry) Professional Development**  
<http://www.aacc.org/development/Pages/default.aspx#>  
A list of the current CE opportunities can be found on the website. Cost varies
- ✧ **APHL/NLTN (Association of Public Health Laboratories/National Laboratory Training Network)**  
<http://www.aphl.org/training/teleconf/Pages/default.aspx>  
or <https://www.aphlnet.org/eweb/DynamicPage.aspx?Site=aphl&WebKey=6d83bd79-2883-4c00-b426-0ffa422658b>  
A list of the current continuing education offerings can be found at the website. Prices range from free to \$449 depending on whether it is a single audioconference/webcast or a series of conferences. P.A.C.E. credits usually provided.
- ✧ **Anaerobe Society of the Americas**  
<http://www.anaerobe.org/>  
An international organization society website, promoting the study and application of knowledge of anaerobic bacteriology. Cost. \$100.00 non doctoral, with journal \$165.00 doctoral, with journal.
- ✧ **ASCLS (American Society for Clinical Laboratory Science)**  
<http://www.ascls.org/> and [http://www.ascls.org/?page=Edu\\_Offerings](http://www.ascls.org/?page=Edu_Offerings)  
ASCLS also offers journals and on-line learning resources. A list of the current continuing education offerings can be found at the website. P.A.C.E. credits usually provided. Cost: Varies
  - Audioconferences (DNAMedEdCafe) (An online resource for molecular education)  
[http://www.ascls.org/?page=webcast\\_DNAMedEd](http://www.ascls.org/?page=webcast_DNAMedEd)
- ✧ **ASCP (American Society for Clinical Pathology)**  
<http://www.ascp.org/laboratory-professionals>  
ASCP offers a variety of continuing education materials including audioconferences and on-line learning material in all aspects of the laboratory – hematology, microbiology, phlebotomy, etc. A list of the current continuing education offerings can be found at the website. P.A.C.E. credits usually provided. Cost: Varies
- ✧ **ASM (American Society for Microbiologists)**  
<http://www.asmaudio.org>  
ASM offers a variety of audioconferences on microbiology topics. A list of the current continuing education topics can be found at the website. Cost: Varies
- ✧ **BioMerieux**  
[http://www.biomerieux-usa.com/servlet/srt/bio/usa/dynPage?node=Continuing\\_Education\\_Units](http://www.biomerieux-usa.com/servlet/srt/bio/usa/dynPage?node=Continuing_Education_Units)  
BioMerieux offers free archived webinars of a variety of microbiology related topics. A list of the current continuing education topics can be found at the website. P.A.C.E. credit is available.

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

Following is a continued list of providers of audioconferences for continuing education and an approximation of the cost. Refer to the websites listed for further details/explanations. (cont.)

- ❖ **CACMLE (Colorado Association for Continuing Medical Laboratory Education)**  
[www.cacmle.org](http://www.cacmle.org)  
CACMLE offers a variety of continuing education offering on a variety in medical laboratory science topics. CE credits are available. A list of the current continuing education topics can be found at the website. Cost: Varies.
- ❖ **CAMLT (California Association for Medical Laboratory Technology)**  
<http://camlt.org/distance-learning>  
CAMLT offers online distance learning courses for a fee and provides P.A.C.E. credit. Cost: Varies
- ❖ **CDC Clinician Outreach and Communication Activity (COCA)**  
<http://emergency.cdc.gov/coca/>  
CDC provides free weekly email updates, monthly conference calls, and educational opportunities for clinicians.
- ❖ **Cepheid**  
<http://www.cepheid.com/company/news-events/webinar-archive/>  
Cepheid maintains free archived webinars on various topics. No CEU are offered.
- ❖ **CLSI (Clinical and Laboratory Standards Institute)**  
<http://www.clsi.org/>  
CLSI co-sponsors audioconferences with APHL, as listed under "APHL".
- ❖ **MCEIRS (Minnesota Center of Excellence for Influenza Research and Surveillance)**  
<http://training.mceirs.umn.edu/training/welcome>  
Free on-line training modules on influenza. CE credit and certificates are available
- ❖ **Roche Diagnostics - MyLab Online**  
[https://www.mylabonline.com/training/online\\_ceu.php](https://www.mylabonline.com/training/online_ceu.php)  
Free on-line training modules on various molecular, clinical, and point of care related subjects. P.A.C.E. credit is available.
- ❖ **SCACM (South Central Association for Clinical Microbiology)**  
<http://www.scacm.org/>  
Provides frequent audioconferences on clinically relevant topics and conducts annual meetings. PACE credits usually available. Cost: Varies
- ❖ **UT Health Science Center San Antonio Teleconference Network of Texas:**  
<http://tnt.uthscsa.edu/>  
A list of educational offerings can be found on the website. P.A.C.E. credit is usually available. Cost varies

**Continuing Education Resources for Wisconsin Laboratories**  
**Created October 21, 2008 / Updated December 6, 2012**

Following is a continued list of providers of audioconferences for continuing education and an approximation of the cost. Refer to the websites listed for further details/explanations. (cont.)

✧ **WSLH (Wisconsin State Laboratory of Hygiene)**

<http://www.slh.wisc.edu/labupdates/wcln/index.dot>

Provides free audioconferences on clinically relevant topics, archives past presentations and conducts annual meetings/conferences/workshops. PACE credits provided for 1 year. A list of the current continuing education topics can be found at the website.

Other Resources for Wisconsin Clinical Laboratories

❖ **Microbiology Web Sites of Interest**

- **ASM**
  - <http://www.asm.org/division/w/web-sites.htm>
  - **Microbe Library**  
<http://www.microbelibrary.org/>
  - **Image Library**  
<http://www.asm.org/division/c/library.htm>
- **Biosafety/Biosecurity**  
<http://www.upmc-biosecurity.org/>
- **CDC**  
<http://www.cdc.gov>
  - **Public Health Image Library**  
<http://phil.cdc.gov/phil/home.asp>
  - **Emergency Preparedness and Response Information for Laboratories**  
<http://www.bt.cdc.gov/labissues/>
  - **CDC Learning Connection**  
<http://www.cdc.gov/learning/>
  - **CDC Division of Parasitic Diseases DPDx – Laboratory Identification of Parasites of Public Health Concern**  
<http://www.dpd.cdc.gov/dpdx/Default.htm>
  - **CDC Antimicrobial Susceptibility Testing. Modes & Mechanisms of antimicrobial agents**  
<http://wwwn.cdc.gov/dls/master/ams/intro/open.swf>
- **Free Textbooks On-Line**
  - **Core Curriculum on Tuberculosis: What the Clinician Should Know**  
<http://www.cdc.gov/tb/education/corecurr/default.htm>
  - **Hepatitis textbook (Hepatology 2010, on-line clinical textbook)**  
<http://www.hepatologytextbook.com>

Other Resources for Wisconsin Clinical Laboratories

✧ **Microbiology Web Sites of Interest (cont.)**

- Free Textbooks On-Line (cont.)
  - Influenza Report 2006 (medical textbook with overview of epidemic and pandemic influenza)  
<http://www.influenzareport.com/>
  - Microbiology: Baron's Medical Microbiology, 4<sup>th</sup> edition, 2000  
<http://www.e-booksdirectory.com/details.php?ebook=1631>
  - Microbiology and Immunology On-line  
<http://pathmicro.med.sc.edu/book/immunol-sta.htm>
  - Polymicrobial Diseases Textbook On-line  
<http://www.ncbi.nlm.nih.gov/books/NBK2475/>
  - Resistance: The Resistance Phenomenon in Microbes and Infectious Disease Vectors  
[http://search.nap.edu/openbook.php?record\\_id=10651&page=1](http://search.nap.edu/openbook.php?record_id=10651&page=1)

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✧ **Listservers of Interest**

- **ASM Division C (DivCNet)**

An Internet Discussion Group for those interested in clinical microbiology.

<http://www.asm.org/division/c/index.htm>

- **Clinician Registry for Terrorism and Emergency Response Updates and Training Opportunities**

CDC-operated registry (part of Clinician Outreach and Communication Activity, "COCA") to provide weekly email updates to clinicians about public health issues and also to announce training opportunities about related to bioterrorism and emergency response.

<http://www.bt.cdc.gov/coca/registry.asp>

- **PASCV (PanAmerican Society for Clinical Virology)**

A listserv for those interested in virology; membership in PASCV is not required.

<http://www.virology.org/listserv.html>

- **ProMED (Program for Monitoring Emerging Diseases)**

An internet-based reporting system to rapidly disseminate accurate reports of infectious diseases and toxin exposures.

<http://www.promedmail.org>

- **WCLN (Wisconsin Clinical Laboratory Network)**

A listserv for clinical laboratorians who service Wisconsin citizens.

<http://www.slh.wisc.edu/labupdates/wcln/index.dot>

Other Resources for Wisconsin Clinical Laboratories

✧ **Professional Organizations**

- **APIC (Association for Professionals in Infection Control and Epidemiology)**  
<http://www.apic.org//AM/Template.cfm?Section=Home1>  
Dues: Variable  
Chapter Dues: \$10
- **ASCLS (American Society for Clinical Laboratory Science)**  
<http://www.ascls.org/>  
Dues: Variable depending on the type of membership.
- **ASCLS-WI (American Society for Clinical Laboratory Science-WI)**  
<http://www.ascls.org/?page=Join>  
Dues: \$5 for membership in Wisconsin. This is in addition to ASCLS national dues which are variable depending on the type of membership.
- **ASCP (American Society for Clinical Pathologists)**  
<http://www.ascp.org>  
Dues: \$89.00 – includes subscription to *LABMEDICINE*
- **ASM (American Society for Microbiology)**  
<http://www.asm.org/>  
Dues: Variable depending on the type of membership
- **ASM-North Central Branch**  
<http://www.asm.org/branch/brNCentral/index.html>  
Dues: \$10
- **PASCV (Pan American Society for Clinical Virology)**  
<http://www.virology.org/>  
Dues: \$25

**Other Resources for Wisconsin Clinical Laboratories**

✧ **Scope it Out! Other Websites of Interest**

- **Abbott Diagnostics:** <http://www.abbottdiagnostics.com/Science/default.cfm>  
Site provides free education materials to laboratorians.
- **Blood Banking: ORTHO-W.I.R.E™** <http://www.ortho-wire.com>
- **BugGuide.Net:** <http://bugguide.net/node/view/15740>
- **COCA (Clinician Outreach and Communication Activity Emergency Communication System, CDC Updates for Clinicians):**  
One of the mechanisms used by the Centers for Disease Control and Prevention's (CDC) Emergency Communication System (ECS) to communicate with clinicians on topics of urgent concern and interest.  
<http://emergency.cdc.gov/coca>
- **Game: AST Bacteria Tower Defense!** <http://www.bacteriatd.com/>
- **Journal & Article Search On-line (free)** <http://www.pubmedcentral.nih.gov/>
- **Mycobacteriology: Evidence Based Tuberculosis Diagnostics** <http://www.tbevidence.org/>  
The aim of the website is to provide the most comprehensive single source of evidence syntheses, policies, guidelines and research agendas on TB diagnosis.
- **Mycology:** <http://www.doctorfungus.org/>
- **Creepy Dreadful Wonderful Parasites:** <http://parasitewonders.blogspot.com/>



This document was compiled by the  
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