

18th Microbiology & Immunology Educational Strategies Workshop

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Clearwater Beach, Florida July 18 – 21, 2022

Mon July 18, 2022 – Arrival Day /Welcome Reception – Note: all meals and breaks are planned to be outdoors so that we can enjoy the Florida sunshine!

Tues July 19 – Meeting Day 1 – Emerging Topics

8:45am – Welcome and Introductions

9:00am - Keynote: “The Complement System” – Claudia Kemper, Ph.D.

10:00am – Break

10:30am – Short talks: Integration of Emerging Topics into the Curriculum

Kerry “Inclusion of Diverse Skin Tones in Microbiology Lectures”

Buttaro “Integration of Microbiome into Medical School Basic Science Curriculum”

11:00am - Facilitated Discussion: “Defining processes for integrating emerging topics into the curriculum”

Noon – Lunch

1:30pm - Short talks: Active Learning Strategies in virtual, live, and hybrid environments

Farrell “Teaching in an app-based, digital, mobile world for app-based, digital, mobile careers in science”

Bentrup “TBL in the age of COVID-19 – can we make it work?”

Greenblatt “Virtual Clerkship Practice Session”

Arvidson, C “Teaching a medical microbiology laboratory in a virtual environment”

Thielman “Comparison of Online vs In-Person Microbiology/Immunology Laboratories to

Reinforce Learning Objectives and Promote Student Driven Discussion”

Cervantes “Igniting children’s enthusiasm for microbes with an origami paper microscope”

Turula “Using Team Based Learning to Solidify Microbiology and Immunology Concepts”

3:15pm – Break

3:45 to 5:45pm – Electronic Poster Session: Please bring laptop or electronic notepad to present your poster!

McClelland “Using wiki assignments in medical school”

Akbar “Integration of basic biomedical and clinical sciences in a virtual environment”

Volin “Evolution of a Microbiology and Immunology Curriculum: from separate courses and labs to subject integration”

Arvidson, C "Providing a resource for teaching microbiology laboratory techniques in a virtual environment"
Baxa "Use of Collaborative Self-Directed Learning in a Virtual COVID-19 Course"
Stuart "A Take-Home Immunology Wet Lab Exercise"
Milani "A Tale of Two Curricula: A comparison of immunology educational programs within one medical school"
Waters "Drawing Exercises to Enhance Microbiology and Immunology Concept Understanding and Retention"
Stray "Transitioning POPS to Online Learning- the UMMC Experience"
Chamberlain "Spaced Retrieval: Using Email to Send Daily Practice Questions to Aid Student Exam Preparation in Infectious Disease"

6pm Dinner

Wed July 20 – Meeting Day 2 – Integration

9am: Workshop: "Cognitive Integration" – Julie Kerry, Ph.D.

10:30am – break

11am: Facilitated Discussion: "Discipline Integration to facilitate deep learning"

Noon – Lunch

1:30pm - Short talks: Discipline Integration, Adapting to Curriculum Innovations, Learning Objectives and Assessment, Getting promoted on the Educational Track

West "The Concept Synthesis Session: A Method for Integrating Foundational Microbiology and Immunology Content with Clinical Reasoning and Step 1 Preparation"
Stone "Identifying Threshold Concepts Through Student Usage Data and Leveraging Those Concepts for Student Success"
Keller "Developing a Medical Microbiology Education Doctorate Program for Pre-Clinical Educators: A Novel Doctorate Program to Meet the Growing Demand in Graduate-Level Medical Microbiology Education"
Wurth "Defining and Building a Foundational Microbiology and Immunology Curriculum"

2:30pm – Break

3:00 to 5pm – Short talks: Asynchronous and Independent Learning

Lawson "Can We Engage Students in an On-Line Lab Session? A Preliminary Study Using Tailored Digital Content"
Bauler "Club MICROBE: An extracurricular medical student interest group to promote distributed review of infectious disease content"
Arvidson, D "Self-directed learning: student written and reviewed MCQs"
Szalai "Interrupted Asynchronous Learning Module in Immunology"
Devara "Anime as a fun way to teach host-pathogen interactions in microbiology"

7pm: Optional Dinner: “Moving from discussions to deliverables” (must specifically request attendance at this event on registration)

Thu July 21 – Meeting Day 3 – Faculty Development

9am: Keynote: “Turning Education into Scholarship” – Alice Fornari, EDD

10:00am - Break

10:30am – Noon: Facilitated Discussion: “Getting Published and Promoted on the Education Track”

Noon - lunch

1:30pm: Breakout Discussions: “Learning Objectives and Assessments”, “Asynchronous and Independent Learning”, “Difficult Conversations with Students” and “Adapting to Curriculum Innovations”
“Demystifying the IRB”

2:30pm – Reports from Breakout Groups

3:30pm Concluding Remarks

6:30pm: Closing Dinner

Fri July 22 – Departures