

**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”

Moderator: Tim Bauler

Noon – Lunch

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

Moderator: Kylie Watts

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

Honer zu 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/Poster Set-Up

3:45 to 5:45pm –Poster Session: Can be a physical poster or presented via laptop or electronic notepad!

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”

Conway “MicR0be Cards: Pandemic Project and Educational Opportunity”

Zhao “Immunology Education in U.S. Undergraduate Medical Curriculum”

6pm Dinner

Wed July 20 – Meeting Day 2 – Integration

8:30am – Poster Take Down

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

10:30am – break

11am: Facilitated Discussion: “Discipline Integration to facilitate deep learning”

Facilitators: Julie Kerry and Kerstin Honer zu Bentrup

Noon – Lunch

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

Moderator: Stephen Stray

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

Moderator: Jolyne Drummelsmith

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”

Thu July 21 – Meeting Day 3 – Faculty Development

9am: Introduction to Breakout Discussions

9:15am: Breakout Discussions:

“Learning Objectives and Assessments” – Moderator: Cindy Arvidson

“Asynchronous and Independent Learning” – Moderator: Tim Bauler

“Difficult Conversations with Students” – Moderator: Julie Kerry

“Adapting to Curriculum Innovations” – Moderator: Neal Chamberlain

“Demystifying the IRB” – Moderator: Rebecca Greenblatt

10:30am – Reports from Breakout Groups and general discussion

Noon - lunch

1:30pm Keynote: “Turning Education into Scholarship” – Alice Fornari, EDD

2:45pm – 3:45pm: Facilitated Discussion: “Getting Published and Promoted on the Education Track”

Facilitator: Rebecca Greenblatt

3:45pm Concluding Remarks

6:30pm: Closing Dinner

Fri July 22 – Departures