

**2ND BIENNIAL UNITED STATES
MYCOPLASMOLOGY CONSORTIUM**

2013 PROGRAM JUNE 12TH-14TH

TOWSON UNIVERSITY - BALTIMORE, MD

UNITED STATES MYCOPLASMOLOGY CONSORTIUM

2013 PROGRAM

JUNE 12TH-14TH

TOWSON UNIVERSITY - BALTIMORE, MD

ORGANIZERS, PROGRAM COMMITTEE, AND ACKNOWLEDGEMENTS

ORGANIZERS: MEGHAN MAY (TOWSON UNIVERSITY) AND DUNCAN KRAUSE (UNIVERSITY OF GEORGIA)

PROGRAM COMMITTEE: STEVEN GEARY (CHAIR; UNIVERSITY OF CONNECTICUT), DANIEL BROWN (UNIVERSITY OF FLORIDA), KEVIN DYBVIG (UNIVERSITY OF ALABAMA AT BIRMINGHAM), MEGHAN MAY (TOWSON UNIVERSITY), AND JERRY SIMECKA (UNIVERSITY OF NORTH TEXAS)

ACKNOWLEDGEMENTS: I WISH TO THANK THOSE WHO HELPED TO RECRUIT PROGRAM OFFICERS AND DELEGATES AND THE PROGRAM OFFICERS IN ATTENDANCE. I WOULD ALSO LIKE TO THANK ERIC HALL (JOHNS HOPKINS UNIVERSITY) FOR HIS WILLINGNESS TO PRESENT A CAREER WORKSHOP FOR OUR STUDENT ATTENDEES. FINALLY, I AM GRATEFUL TO JESSICA CANTER FOR HER HELP AND SUPPORT WITH PROGRAM GENERATION AND ORGANIZATIONAL DETAILS! ~MM

WEDNESDAY, JUNE 12TH

- ❖ Delegates arrive in Baltimore
- ❖ 7:00-9:00 PM: Welcome Reception (Paws Lounge, 1st Floor of University Union)
 - Cash Bar Available (Beer, Wine, and Cocktails)
 - Heavy Hors d'oeuvres Served:
 - *Petite Crab Cakes (Served with Old Bay Remoulade)*
 - *Cuban Quesadillas (Roasted Pork, Ham, Swiss, Pickles, & Dijon)*
 - *Mini Potato Latkes (Served with Chive Sour Cream)*
 - *Assorted Crostini (Tomato & Mozzarella, Black Olive Tapenade & Goat Cheese, Grilled Pesto Shrimp, Sliced Tenderloin with Balsamic Reduction, Smoked Lamb Carpaccio, and Smoked Salmon)*
 - *Fruit & Cheese Display (Served with Crackers)*
 - *Carved Display (Parmesan & Sage Encrusted Turkey Breast and Grilled Beef Tenderloin, Served with Grilled Vegetables, Horseradish Mousse, Dijon Mustard, & Soft Rolls)*

THURSDAY, JUNE 13TH

- ❖ 9:00-9:15 AM: Welcome and Introduction (Smith Hall, Room 326, Towson University)

Session I: Host-Pathogen Interactions (Smith Hall, Room 326, Towson University)

TIME	SESSION	SPEAKER	TITLE
9:15-9:30	H-P I	D. Krause	Airway Colonization During Mycoplasmosis
9:30-9:45	H-P I	S. Geary	Current Aspects of <i>M. gallisepticum</i> Pathogenesis
9:45-10:00	H-P I	S. Vashee	Synthetic Genomics Approaches to Engineer a Live, Attenuated Vaccine Against Contagious Bovine Pleuropneumonia
10:00-10:15	H-P I	M. May	Novel Motif Discovery and Forecasting of Strain Emergence
10:15-10:30	H-P I	J. Simecka	Immunity and Respiratory Mycoplasmosis
10:30-10:45		BREAK	
10:45-11:00	H-P I	M. Balish*	Catalase-Producing Mycoplasmas as Probiotics

*Full author list: Rachel E. Pritchard, Alexandre J. Prassinis, and Mitchell F. Balish

Session II: Applied and Translational Mycoplasma (Smith Hall, Room 326, Towson University)

TIME	SESSION	SPEAKER	TITLE
11:00-11:15	ATM	P. Totten	<i>M. genitalium</i> , an emerging human reproductive tract pathogen
11:15-11:30	ATM	K. Waites	Ureaplasmas and Bronchopulmonary Dysplasia
11:30-11:45	ATM	P. Atkinson	Ongoing Studies in Human Mycoplasmas at UAB
11:45-12:00	ATM	C. Minion	Translational Vaccinology
12:00-1:30*		LUNCH	<i>(See Below for Menu Details)</i>
1:30-1:45	ATM	N. Ferguson-Noel	Surveillance and Diagnostics of Avian Mycoplasmosis
1:45-2:00	ATM	J. Simecka	Development of a Humanized Mouse Model of <i>M. pneumoniae</i> Infection

- ❖ *12:00- 1:30 PM: Lunch is Served

- Sweet Corn Bread
- Mixed Greens Salad with Ranch Dressing
- Jack Daniel's BBQ Ribs
- Fried Chicken - Legs & Thighs
- Macaroni & Cheese
- Collard Greens
- Peach Crumb & Pecan Bars
- Assorted Sodas & Bottled Water

Session III: Molecular/Cellular Biology of Mollicutes (Smith Hall, Room 326, Towson University)

TIME	SESSION	SPEAKER	TITLE
2:00-2:15	MCB	M. Balish**	Gliding Motility of Mycoplasmas
2:15-2:30	MCB	K. Dybvig	Glycobiology of Mycoplasmas
2:30-2:45	MCB	E. Tulman	Comparative Genomics of Emerging Strains of <i>M. gallisepticum</i>
2:45-3:00	MCB	T. Kannan	Molecular Characterization of CARDS Toxin of <i>M. pneumoniae</i>
3:00-3:15		BREAK	
3:15-3:30	MCB	M. Brown	Mechanosensitive Channel Proteins of Mycoplasmas
3:30-3:45	MCB	J. Glass	Generation of New Molecular Tools to Further Research in Mycoplasma at JCVI
3:45-4:00	MCB	D. Brown	Glycosidases in Host-Mycoplasma Interactions

**Full author list: Nicole Marotta, Jaime T. Newman, John G. McChesney, Steven L. Distelhorst, and Mitchell F. Balish

Session IV: Program Officer Meeting Preparation (Smith Hall, Room 326, Towson University)

TIME	SESSION	SPEAKER	TITLE
4:00-4:15	PO	D. Krause	Overview of Mycoplasmas in Human Disease (for PO Meeting)
4:15-4:30	PO	M. May	Overview of Mycoplasmas in Animal Disease (for PO Meeting)
4:30-5:00	PO	ALL	Open Discussion

CONSORTIUM DINNER (7:00-9:00)

J Paul's Dining Saloon (Inner Harbor, Baltimore)

- Shuttle bus transportation provided
 - Shuttle departs at **6:30** from the **Towson Marriott**
 - Return shuttle departs Baltimore's Inner Harbor at **9:30**
- Cost per person is approximately \$40 (including tax and tip)
- For more information, visit <http://j-pauls.capitalrestaurants.com/harbor/>
- Additional time at the harbor was allotted!



FRIDAY, JUNE 14TH

❖ Parallel Sessions (9:00-12:00 AM):

- A.) Roundtable Discussion with Program Officers
- B.) Career Development in Microbiology Workshop

Session A (Smith Hall, Room 326, Towson University)

TIME	SESSION	SPEAKER	TITLE
9:00-9:15	RDPO	D. Krause	Overview of Mycoplasmas in Human Disease
9:15-9:30	RDPO	M. May	Overview of Mycoplasmas in Animal Disease
9:30-10:00	RDPO	POs	Overview of Programs and Funding Avenues
9:30-12:00	RDPO	ALL PIs and EP	Open Discussion

Session B (Smith Hall, Room 479, Towson University)

TIME	SESSION	SPEAKER	TITLE
9:00-9:30	CDM	E. Hall	Career Trends and Options in Microbiology
9:30-10:45	CDM	ALL students	CV and Resume Preparation and Evaluation
10:45-12:00	CDM	E. Hall	Job Searching and Interviewing Strategies

❖ 12:00-1:30 PM: Lunch is Served

- *Quarter Pound Hamburgers with Kaiser Rolls*
- *Veggie Burgers with Kaiser Rolls*
- *Hot Dogs with Rolls*
- *Potato Salad & Macaroni Salad*
- *Chips*
- *Cookies*
- *Assorted Sodas and Bottled Water*

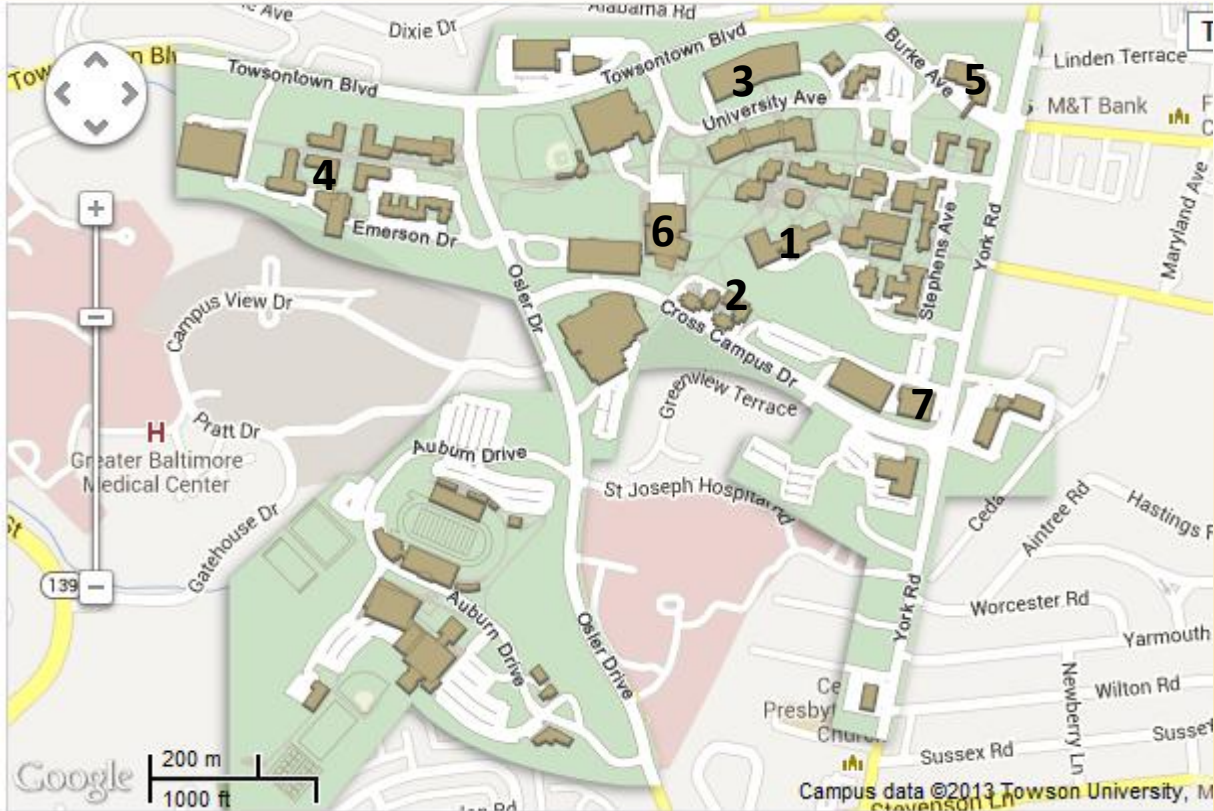
❖ 1:30-3:00 PM: Business/Organizational Meeting (Smith Hall, Room 359, Towson University)

- Topics of discussion can include:
 - Organization name and role in the discipline
 - Meeting format
 - Funds and support
 - Organization and structure
 - Future meetings

“WHERE AM I GOING?”

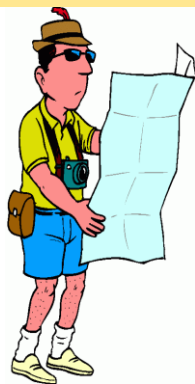
Towson University - 8000 York Road; Towson, MD 21252

Below is a map of Towson University’s campus. An interactive campus map can be found at <http://www.towson.edu/main/maps/>



- 1: SMITH HALL
- 2: GLENN DINING HALL
- 3: TOWSONTOWN PARKING GARAGE
- 4: TUBMAN HOUSE (DORM)
- 5: TU MARRIOTT HOTEL
- 6: UNIVERSITY UNION
- 7: 7800 YORK ROAD

YOUR PARKING PERMIT ALLOWS YOU TO PARK IN TOWSONTOWN GARAGE (3) OFF OF TOWSONTOWN BLVD. SCIENTIFIC SESSIONS WILL BE HELD IN SMITH HALL (1). LODGING, DINING, AND PARKING ARE NOTED (2-5). THE UNIVERSITY UNION (6) HAS A BOOKSTORE, 7800 YORK ROAD (7) HAS A SPORTS BAR (BILL BATEMAN’S BISTRO) FOR INTERESTED PARTIES.



LODGING INFORMATION

❖ Towson University Marriott Conference Hotel

- 10 West Burke Avenue - Towson, Maryland 21204
- The hotel is located directly next door to TU's campus. There is a walking bridge that crosses Burke Ave. from the hotel and ends directly on campus.



❖ Towson University Dormitory - Tubman House

- 415 Towson Way - Towson, Maryland 21252
- Sheets, bedding, and pillows are provided by the university
- When checking in, you will receive a temporary TU "One Card" which will be your access card into the dormitory and the Glen Dining Hall for breakfast from 7:00-9:00 AM

OTHER HELPFUL INFORMATION



- ❖ **Wireless internet is available on campus!** Each delegate will be given a temporary username and password for the "TU-guest" wifi network. Please remember to sign up for personal login access at the Welcome Reception Wednesday evening. When logging in: please put "guest/" in front of your username.
- ❖ **The Towson University Department of Biological Sciences Office is located in room 341, Smith Hall.** Cyndi Evans is the department's administrative assistant and is available if you have any questions.
- ❖ **The University Store**, located on the 1st floor of the University Union, is open Monday through Friday 8:30 AM-5:00 PM. You can purchase TU merchandise as well as food, toiletries, and gifts.
- ❖ **In the event of an emergency:** TUPD (Towson University Police Department) can be reached at **410-704-2134**, or **410-704-4444** for emergency assistance. Blue-light emergency call boxes are also located around the campus and can notify emergency services if needed.
- ❖ **St. Joseph's Medical Center** is located on Osler Drive next to TU's Center for the Arts and is within 5 minutes walking distance of campus if needed.

DELEGATE ROSTER

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