



27TH

ANNUAL SYMPOSIUM
ON MOLECULAR PATHOLOGY

Clinical Applications of Genomic Medicine

Co-sponsored by the
Association for Molecular Pathology

Sept. 12-13, 2018

SOMERSET INN
TROY, MICHIGAN

*This symposium is sponsored by the department of
Pathology and Laboratory Medicine, Beaumont Hospital,
Royal Oak, Michigan and the Association for Molecular
Pathology, Bethesda, Maryland.*

beaumontlaboratory.com/dnasymposium



Beaumont

SYMPOSIUM LOCATION AND HOTEL ACCOMMODATIONS

Somerset Inn

2601 West Big Beaver Road

Troy, Michigan 48084

Toll free: 800-228-8769

Phone: 248-643-7800

Website: somersetinn.com

On-site registration will be held in the Somerset Ballroom foyer (located inside the north entrance).

Registration hours are:

Wednesday 7:15 a.m. to 5 p.m.

Thursday 7:30 a.m. to 1 p.m.

Free parking is available at the Somerset Inn.

For driving instructions, please check the website above.

Rooms are being held for symposium participants until Aug. 21, 2018.

	Tower	Executive Wing
Singles	\$119*	\$139*
Doubles	\$119*	\$139*

*Add 13.3% tax

Please state “**Beaumont Molecular Pathology Symposium**” when making reservations.

GROUND TRANSPORTATION

Transportation service from/to the airport and to/from Somerset Inn is available through:

- Birmingham Transportation: 248-901-4600 (\$78 one way)
- Metro Car: 800-456-1701 (\$85 one way)
- Michigan Green Cars: 248-714-0566 (\$67 one way)

Note: For airport pickup there is a surcharge of typically \$10. Prices were quoted at the time of publication and rates are subject to change at any time. Uber and Lyft are noted to be around \$55 but depends on the time of day.

FACULTY

Saima Aslam, M.D., M.S.,
Department of Medicine, University of California, San Diego, Calif.

Ray Bahado-Singh, M.D.,
Department of OB Gyn, Beaumont Health, Royal Oak, Mich.

Noah Brown, M.D.,
Department of Pathology, Michigan Medicine/University of Michigan, Ann Arbor, Mich.

Martina Brueckner, M.D.,
Department of Pediatrics (Cardiology) and Medicine, Yale University School of Medicine, New Haven, Conn.

Barbara S. Ducatman, M.D.,
Department of Pathology and Laboratory Medicine, Beaumont Health, Royal Oak, Mich.

Rebecca Ganetzky, M.D.,
Department of Human Genetics and Pediatrics, Children’s Hospital of Philadelphia, Pa.

Amy J. Mathers, M.D., D(ABMM),
Department of Medicine and Pathology, University of Virginia, Charlottesville, Va.

Bryan J. Schneider, M.D.,
Department of Internal Medicine, Michigan Medicine/University of Medicine, Ann Arbor, Mich.

Robert Tibbetts, Ph.D., D(ABMM), F(CCM),
Department of Pathology, Henry Ford Health System, Detroit, Mich.

Mari J. Tokita, M.D.,
Institute for Genomic Medicine, Rady Children’s Hospital, San Diego, Calif.

Guannan Wang, Ph.D.,
Department of Pathology, University of Pennsylvania, Philadelphia, Pa.

PLANNING COMMITTEE/ OUWB SCHOOL OF MEDICINE FACULTY

Department of Pathology and Laboratory Medicine, Beaumont

Barbara S. Ducatman, M.D., Chief, Pathology Service Line, Beaumont; Chair, Pathology and Laboratory Medicine, Beaumont Hospital, Royal Oak; Professor, Oakland University William Beaumont (OUWB) School of Medicine

Mital Amin, M.D., Chief, Anatomic Pathology; Professor, OUWB School of Medicine

Ann Marie Blenc, M.D., Associate Professor, OUWB School of Medicine

Bobby L. Boyanton, Jr., M.D., FASCP, FCAP, Professor, OUWB School of Medicine

Vonda Douglas-Nikitin, M.D., Associate Professor, OUWB School of Medicine

James Huang, M.D., Associate Professor, OUWB School of Medicine

Gabriel Maine, Ph.D., Associate Professor, OUWB School of Medicine

Mark Micale, Ph.D., FACMG, Associate Professor, OUWB School of Medicine

Peter A. Millward, M.D., Associate Professor, OUWB School of Medicine

Vaishali Pansare, M.D., Associate Professor, OUWB School of Medicine

Barbara Robinson-Dunn, Ph.D., D(ABMM), Professor, OUWB School of Medicine

John Schwartz, M.D., Assistant Professor, OUWB School of Medicine

Marc D. Smith, M.D., Associate Professor, OUWB School of Medicine

John Gibson, M.S., SV(ASCP), CLSp(MB), CLAS-MDx, Corporate Supervisor, Microbiology and Molecular Pathology, Beaumont

Marcy King, B.S., Executive Assistant, Symposium Coordinator, Pathology and Laboratory Medicine, Beaumont

Nancy Ramirez, M.S., MLS(ASCP)^{CM} SH^{CM}, Education Programs Manager; Program Director, School of Medical Laboratory Science

Alina Yaldo, B.S., Secretary, Education Programs, Clinical Pathology, Royal Oak

ASSOCIATION FOR MOLECULAR PATHOLOGY (AMP) Bethesda, Maryland

Mary Steele Williams, M.N.A., MT(ASCP)SM, C.A.E.,
Executive Director

Lucia P. Barker, Ph.D., Director, Education Programs

Laurie Menser, Director, Strategic Development, Association for Molecular Pathology (AMP), Bethesda, Maryland

SCHEDULE

Wednesday, Sept. 12

7:15 a.m. Registration and continental breakfast (Foyer)

8-8:05 a.m. Opening remarks

8:05-8:50 a.m. **Rapid Diagnosis by Genome Sequencing in Critically-Ill Pediatric Patients**
Mari J. Tokita, M.D.
*Institute for Genomic Medicine,
Rady Children's Hospital, San Diego, Calif.*

8:50-9:35 a.m. **Are they Carbapenem-resistant or Carbapenemase-producing Enterobacteriaceae?: Challenges of Detection, Differentiation and Confirmation**
Robert J. Tibbetts, Ph.D., D(ABMM), F(CCM)
Department of Pathology, Henry Ford Health System, Detroit, Mich.

9:35-10:15 a.m. Break (exhibits open)

10:15-11 a.m. **Precision Medicine for Veterinary Oncology using Canine Cancer as a Model**
Guannan Wang, Ph.D.
Department of Pathology, University of Pennsylvania, Philadelphia, Pa.

11:15 a.m. to noon Corporate Workshop*

Noon to 1 p.m. Lunch (in Exhibit Hall)

1-1:45 p.m. Corporate Workshop*

1:45-2:45 p.m. **KEYNOTE ADDRESS: General Overview of Metabolomics and its Relationship to Other Omics**
Ray O. Bahado-Singh, M.D.
Obstetrics and Gynecology, Beaumont Hospital, Royal Oak, Mich., Oakland University William Beaumont School of Medicine, Rochester, Mich.

2:45-3:30 p.m. **The Role of the Hospital Environment in Propagation and Dissemination of Antimicrobial Resistance Plasmids**
Amy J. Mathers, M.D., D(ABMM)
Department of Medicine and Pathology, University of Virginia, Charlottesville, Va.

3:30-4 p.m. Break (in Exhibit Hall)

4-4:45 p.m. **Genetics of Congenital Heart Disease from Large-Scale Genomics to the Clinic**
Martina Brueckner, M.D.
Department of Pediatrics (Cardiology) and Genetics, Yale University School of Medicine, New Haven, Conn.

4:45-6 p.m. Wine and Cheese Reception
Corporate Exhibits open until 6 p.m.

Thursday, Sept. 13

7:30 a.m. Registration and continental breakfast (Exhibit Hall)

8-9 a.m. **AMP Sponsored Session: Resident/Fellow Presentations**
Three finalists

9-9:45 a.m. **Mitochondrial Dysfunction: Primary Mitochondrial Disease and Beyond**
Rebecca D. Ganetzky, M.D.
Department of Human Genetics and Pediatrics, Children's Hospital of Philadelphia, Philadelphia, Pa.

9:45-10:15 a.m. Break (visit exhibits)

10:15-11:15 a.m. **KEYNOTE ADDRESS: Early Clinical Experience with Bacteriophage Therapy**
Saima Aslam, M.D., M.S.
Department of Medicine, University of California, San Diego, Calif.

11:15 a.m. to noon Corporate Workshop*

Noon to 1 p.m. Lunch (in Exhibit Hall)

1-1:45 p.m. Corporate Workshop*

1:50-2 p.m. **Resident/Fellow Presentation Award**

2-2:45 p.m. **AMP Sponsored Session: Doing More with Less - Improving Care of Solid Tumor Cancer Patients with Targeted NGS and Pre-Analytic Optimization**
Noah A. Brown, M.D.
Department of Pathology, Michigan Medicine/University of Michigan, Ann Arbor, Mich.

2:45-3 p.m. Break (in Exhibit Hall)

3-3:45 p.m. **Targeted Therapy for Lung Cancer**
Bryan J. Schneider, M.D.
Department of Hematology/Oncology, Michigan Medicine/University of Michigan, Ann Arbor, Mich.

3:45-4:30 p.m. **Human Papillomavirus (HPV) Testing and Primary Screening**
Barbara S. Ducatman, M.D.
Department of Pathology, Oakland University William Beaumont School of Medicine, Rochester, Mich.

4:30 p.m. Closing remarks

CLINICAL APPLICATIONS OF GENOMIC MEDICINE

We are pleased to present Beaumont Health's 27th Annual Symposium on Molecular Pathology: Clinical Applications of Genomic Medicine. This year's symposium will again be held at the beautiful Somerset Inn in Troy, Michigan.

Highlights of this year's meeting include topics on next generation sequencing (NGS), in cancer and inherited disorders in children, and mitochondrial disorders, co-sponsored and presented by speakers of the Association for Molecular Pathology (AMP). Keynote addresses on Wednesday will be a *General Overview of Metabolomics and its Relationship to Other Omics*, and Thursday's will be on *Early Clinical Experience with Bacteriophage Therapy*. Additional topics on Molecular Hematology and Oncology, Hot Topics and Molecular Microbiology will be presented.

The symposium provides significant opportunities for professional education, networking and resource building. You should strongly consider attending if you are involved in molecular diagnostics or are interested in learning about this fast-paced specialty of clinical laboratory medicine. We are pleased to bring you these excellent educational opportunities at modest registration fees, thanks to our commercial exhibitors.

Lunch is provided with each day's registration fee. In addition, there will be a wine and cheese reception at the close of Wednesday's session. An exhibit area will be open where you can learn about new molecular products to enhance laboratory operations.

We hope you will join us.

TARGET AUDIENCE

All interested physicians and health care professionals are invited. This year's program integrates many clinical disciplines particularly molecular diagnostics, hematology, oncology, pediatrics, infectious disease, internal medicine and pathology.

GOING "GREEN"

To be more environmentally responsible, no printed presentation materials will be provided. Handouts approved by speakers may be available for download one week prior to symposium.

SPONSORING INSTITUTION

This symposium is co-sponsored by the department of Pathology and Laboratory Medicine, Beaumont Hospital, Royal Oak, Michigan, and the Association for Molecular Pathology.

OBJECTIVES

Upon completion of this conference, attendees can expect to achieve the following overall objectives:

- assess advanced methods employed for clinical molecular testing
- employ new technologies being implemented in molecular diagnostics
- discuss pertinent and innovative aspects of molecular technology related to clinical applications
- identify important aspects of molecular medicine including emerging technologies, molecular-based oncology, hematology and microbiology testing
- appraise future considerations and issues based on research activities and clinical needs

ACCREDITATION AND CREDIT

Accreditation: Beaumont Health is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit*: Beaumont Health designates this live activity for a maximum of 9.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity

CME Credit breakdown:

Wednesday 4.75

Thursday 5.0

**Number of credits subject to change; final credits will be determined based on the final agenda and will be listed on the final CME handout provided at the symposium.*

DISCLOSURE INFORMATION

All speakers have been asked to disclose any relevant relationships they may have with commercial companies. The presence or absence of relationships (as well as off-label discussion of products) will be disclosed at the time of the meeting.

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REGISTRATION

Name/degree/credentials _____

Department _____

Institution _____

Street address _____

City _____

State/Province _____ ZIP _____ Country _____

Phone _____ Fax _____

Email _____

FEES The registration fee includes a continental breakfast, lunch buffet and break refreshments. Wednesday's registration also includes wine and cheese reception.	Physicians, bioscientists, Ph.D.s, other scientific/ research staff	Fellows, residents, technologists, students, other
	Check appropriate boxes	
Full symposium, 9/12 & 9/13 (Wednesday and Thursday)	<input type="checkbox"/> \$150	<input type="checkbox"/> \$75
Wednesday 9/12/18 only	<input type="checkbox"/> \$80	<input type="checkbox"/> \$40
Thursday 9/13/18 only	<input type="checkbox"/> \$80	<input type="checkbox"/> \$40

REGISTER ONLINE
beaumontlaboratory.com/dnasymposium

Registrations must be received by Sept. 6, 2018. After Sept. 6, registrations will only be accepted onsite, at the meeting's registration desk, on a space-available basis. For help with registration, contact Rebecca Kirk at 248-551-6269, or email at cme@beaumont.edu.

Cancellations or refund requests must be received by **Sept. 6, 2018**; a **\$25 cancellation processing fee** will be assessed to all cancelled registrations. Cancellation or refund requests after Sept. 6, 2018 will not be honored.

To cancel a registration, please send an email to cme@beaumont.edu with the name of the activity and "Cancellation" in the subject line.

TO REGISTER:

- Online credit card payment at beaumontlaboratory.com/dnasymposium. Click on Registration; you will be directed to the CME website.
- Mail check payment to: Beaumont Hospital, Royal Oak

Rebecca Kirk
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 Royal Oak, MI 48073-6769

