

INSTITUTE FOR DISEASE MODELING

INTELLECTUAL VENTURES™

IDM Symposium: Day 1

Hyatt Regency, Tuesday 4/18/2017 IDM Symposium—Seven Deadly Diseases

7:30am-8:45am

Registration and Breakfast

Please join us for a fully staffed breakfast buffet located outside the main entrance of the Auditorium.

8:45am-9:00am

Auditorium

Welcome

Robert Hart, *IDM*

9:00am-11:45am

Madrona

Breakout

Pneumonia 1

Chair: Ben Althouse

Ben Althouse, *IDM*

Stefan Flasche, *London School of Hygiene and Tropical Medicine*

Marc Lipsitch, *Center of Communicable Disease Dynamics, Harvard School of Public Health*

Dan Weinberger, *Yale School of Public Health*

9:00am-11:45am

Auditorium

**Workshop/
Breakout**

Risk Mapper Tool Workshop & Value of Information

Chair: Guillaume Chabot-Couture, *IDM*

9:00AM-10:00AM Risk Mapper Tool Workshop

The Polio Workshop will demonstrate IDM's new online disease case mapping and risk modeling tool prototype. Participants will have an opportunity to work with the tool by using their own disease data or with some sample data provided. Additional information will be provided to attendees upon registration of this workshop.

10:00AM-11:45AM Value of Information

M Elizabeth Halloran, *Fred Hutchinson Cancer Research/University of Washington*

Natalia Molodecky, *Imperial College London*

Roland Sutter, *World Health Organization*

Jon Wakefield, *Departments of Statistics and Biostatistics, University of Washington*

9:00am-11:45am

Larch

Breakout

Calibration of Individual-Based Models

Chair: Daniel Klein

Dan Klein, *IDM*

Graham Medley, *London School of Hygiene and Tropical Medicine*

Zelda Zabinsky, *University of Washington*

Ian Vernon, *Durham University*

Michael Goldstein, *Durham University*

11:45am-1:00pm

Lunch at Eques

With its casual Northwest décor and creative menu, Eques serves a fresh and contemporary

buffet seven days a week using high quality, locally sourced seasonal ingredients.

1:00pm-2:30pm	Auditorium	General Session	General Session 1 Chair: Anna Bershteyn Robert Reiner, <i>Institute for Health Metrics and Evaluation</i> Maya Petersen, <i>UC Berkeley School of Public Health</i> Mark Hatherill, <i>SATVI, University of Cape Town</i>
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2:30pm-3:15pm *Coffee and Break*

3:15pm-4:45pm	Auditorium	General Session	General Session 2 Chair: Hao Hu Keith Klugman, <i>Bill & Melinda Gates Foundation</i> Myron Levine, <i>University of Maryland School of Medicine</i> Flaminia Catterucia, <i>Harvard TH Chan School of Public Health</i>
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5:00pm-6:00pm	Laurel	General Session	Software Open Forum Discussion Gene Oates, <i>IDM</i>
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5:00pm-6:00pm	Auditorium	Keynote	Emerging Researchers Chair: Philip Welkhoff
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IDM Symposium: Day 2

Hyatt Regency, Wednesday 4/19/2017 IDM Symposium—Seven Deadly Diseases

7:30am-8:45am **Registration and Breakfast**
Please join us for a fully staffed breakfast buffet located outside the main entrance of the Auditorium.

9:00am-10:30am	Cottonwood	Breakout	Pneumonia 2 Chair: Hao Hu Gail Rodgers, <i>Bill & Melinda Gates Foundation</i> Ron Dagan, <i>Ben-Gurion University of the Negev</i> Imran Nisar, <i>Department of Pediatrics, Aga Khan University</i> Stephen Pelton, <i>Boston University School of Medicine and Public Health</i> Kimberly Shea, <i>Boston University</i>
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9:00am-10:30am	Juniper	Breakout	Enteric Disease Chair: Dennis Chao Duncan Steele, <i>Bill & Melinda Gates Foundation</i> Ben Lopman, <i>Emory University Rollins School of Public Health</i>
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Joe Eisenberg, *University of Michigan Department of Epidemiology*
Andrew Brouwer, *University of Michigan Department of Epidemiology*

9:00am-10:30am

Larch

Breakout

Measles 1

Chair: Kevin McCarthy

Sheng Li, *City University of New York, School of Public Health*

Amy Winter, *Princeton University*

Nita Bharti, *Penn State University*

Matthew Ferrari, *The Pennsylvania State University*

9:00am-10:30am

Auditorium

Breakout

Malaria 1

Chair: Caitlin Bever

Edward Wenger, *IDM*

Amy Wesolowski, *Princeton University*

Dave Smith, *IHME*

John Huber, *University of Notre Dame*

Bryan Greenhouse, *University of California, San Francisco*

9:00am-10:30am

Madrona

Breakout

HIV

Chair: Anna Bershteyn

Diego Cuadros, *University of Cincinnati*

Susan Cassels, *University of California, Santa Barbara*

Ying Huang, *Fred Hutchinson Cancer Research Center*

Zindoga Mukandavire, *London School of Hygiene and Tropical Medicine*

9:00am-10:30am

Laurel

Breakout

Software Tutorial

Benoit Raybaud, *IDM*

Dan Bridenbecker, *IDM*

Milen Nikolov, *IDM*

10:30am-10:45am Coffee and Break

10:45am-11:45am

Auditorium

General Session

General Session 3

Chair: Mike Famulare

Jen Gardy, *BC Centre for Disease Control*

Dan Neafsey, *Broad Institute*

11:45am-4:00pm Lunch and Excursion

Please join us for the first annual symposium excursion to the Woodinville wine country. Lunch will be hosted by IDM. IDM will also provide transportation to and from Woodinville. After lunch explore the bounty of Washington's premier wineries: Chateau Ste Michelle, Columbia, and Novelty Hill/Januik. You may also take advantage of the Red Hook Brewery or Woodinville Distillery. Nearby, discover the scenic Sammamish River Trail where you may be fortunate enough to glimpse the blue herons. You must be registered to attend.

5:45pm-9:00pm Dinner at Daniel's Broiler

Please join us for hors d'oeuvres and wine starting at 5:45pm, dinner service will begin promptly at 6:15pm. Registration is required to attend.

IDM Symposium: Day 3

Hyatt Regency, Thursday 4/20/2017 IDM Symposium—Seven Deadly Diseases

7:30am-8:45am Registration and Breakfast

Please join us for fully staffed breakfast buffet located outside the main entrance of the Auditorium.

9:00am-10:30am

Auditorium

General Session

General Session 4

Chair: Laina Mercer

Jillian Gauld, *IDM*

Samson Kiware, *Ifakara Health Institute*

10:30am-11:15am

Coffee and Break

11:15am-12:15pm

Auditorium

General Session

Panel Discussion

Chair: Mandy Izzo

From data to decisions: the role of modeling in optimizing resource allocation in the fight against disease.

12:15pm-1:30pm Lunch at Eques

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1:30pm-3:00pm

Madrona

Breakout

Tuberculosis

Chair: Brad Wagner

Nimalan Arinaminpathy, *Imperial College London*

Zoe McLaren, *University of Michigan*

Walter Beyeler *on behalf of Patrick Finley, Sandia National Laboratories*

Damion Dooley, *Department of Pathology, University of British Columbia/BCCDC*

1:30pm-3:00pm

Auditorium

Breakout

Malaria 2

Chair: Jaline Gerardin

Caitlin Bever, *IDM*

Ruben Conner, *PATH*

Katherine Battle, *Malaria Atlas Project- Oxford University*

Emilie Pothin, *Swiss Tropical and Public Health Institute in Basel*

Andre Lin Ouedraogo, *IDM*

1:30pm-3:00pm	Cottonwood	Breakout	COMPS Software Service for Research John Sheppard, <i>IDM</i>
1:30pm-3:00pm	Larch	Breakout	Dengue Chair: Ben Althouse Isabel Rodriguez-Barraquer, <i>Johns Hopkins Bloomberg School of Public Health</i> Katia Koelle, <i>Duke University</i> Alex Perkins, <i>University of Notre Dame</i>
1:30pm-3:00pm	Juniper	Breakout	Advances in Applied Math for Infectious Diseases Chair: Joshua Proctor Kyle Gustafson, <i>IDM</i> Ewan Cameron, <i>Oxford University</i> Mauricio Santillana, <i>Harvard University</i> Niall Mangan, <i>University of Washington</i>
1:30pm-3:00pm	Laurel	Breakout	Measles 2 Chair: Kevin McCarthy Kurt Frey, <i>IDM</i> Saki Takahashi, <i>Princeton University</i> Mark Jit, <i>London School of Hygiene & Tropical Medicine</i>
3:00pm-3:45pm Coffee and Break			
3:45pm-5:45pm	Auditorium	General Session	General Session 5 Chair: Edward Wenger Ruanne Barnabas, <i>University of Washington</i> Todd Noel on behalf of Carrie McNeil, <i>Sandia National Laboratories</i> Claudia Emerson, <i>McMaster University</i>