

4th Annual Metagenomics and Metadesign of Subways and Urban Biomes (MetaSUB) Conference

Tivoli Ecoresort Praia do Forte, Bahia, Brazil

August 13-16, 2018

Monday, August 13th

Check-in at hotel, settle in, and enjoy the beach!
Remember: Dinner is included!

Tuesday, August 14th

8:00 AM – 9:30 AM Breakfast and Registration at the Conference Center

9:30 AM – 9:35 AM Opening Remarks

*Emmanuel Dias-Neto, Head, Medical Genomics Group,
A.C.Camargo Cancer Center, São Paulo, Brazil*

*Christopher E. Mason, Associate Professor, Weill Cornell Medicine,
Director of the WorldQuant Initiative for Quantitative Prediction*

Plenary Session I

Moderator: Daniela Bezdán

**9:40 AM – 10:10 AM “Clinical Metagenomic Sequencing for Infectious Disease
Diagnosis and Public Health Surveillance”**

*[Charles Chiu](#), Associate Professor of
Laboratory Medicine and Medicine, Division of Infectious Diseases at
University of California, San Francisco (UCSF)*

**10:15 AM – 10:30 AM “Automated Purification of Nucleic Acid from Environmental
and Clinical Samples for Metagenomic Analysis”**

Poonam Jassal, Promega Platinum-Sponsor Talk

10:30 AM – 11:00 AM Coffee Break – Visit with Vendors

11:00 AM – 13:00 PM Special Topic Lightning Talks (10 min each)

Presenter	Talk Title
Bárbara Gimenes de Castro	The microbial diversity among internal and external hospital environments: What’s our role?
Pablo Fresia	City-wide metagenomics uncover antibiotic resistance reservoirs in urban beaches and sewage of Montevideo, Uruguay
Ugur Sezerman	Dissemination Talk for COST Action CA15110 CHARME: Harmonizing standardization strategies in the era of ‘Omics’ data
Paulo Thiago de Souza Santos	The Olympiome project: Preliminary results

Timothy Read	Fine scale differentiation between <i>B. anthracis</i> and <i>B. cereus</i> in shotgun metagenome data
Soojin Jang	A pilot study of microbiota in Seoul Metro
Salah Mahmoud	From MetaSUB Doha, Qatar to Monumentome Athens, Greece
David C. Danko	Initial analysis and accessibility of MetaSUB data
María Mercedes Zambrano	Lichen-associated microbial communities in high mountain ecosystems
Lynn Scyriml	MetaSUB of Baltimore and the Monumentome

13:00 PM – 14:30 PM Lunch and Networking

Plenary Session II

Moderator: Emmanuel Dias-Neto

14:30 PM – 15:00 PM “Phylogeny and Strain Variation Inferences from Metagenome-Assembled Genomes”

[Joao Setubal](#), Associate Professor, University of Sao Paulo

15:00 PM – 15:20 PM “New Technologies to Uncover a World of Possibility in Microbiology”

Nelson Alves, Illumina Diamond-Sponsor Talk

15:20 PM – 16:40 PM Working Groups (75 min total) Rotation format (25 min each)

- Permits for Sampling & Policies (*Moderator: Scott Tighe*)
- Methods: Sampling, Library Preparations Techniques and Sequencing (*Moderator: Daniela Bezdán*)
- Data Analysis, Bioinformatics, Storage (*Moderator: David Danko*)

16:40 PM – 17:10 PM Working Group Summaries

17:15 -17:30 Open Discussion and Wrap-Up

20:00 PM Dinner and Reception

Wednesday, August 15th

8:00 AM – 9:30 AM Breakfast

Plenary Session III

Moderator: Dr. Christopher Mason

9:30 AM – 10:00 AM “Microbes in Space: Incidence, Virulence, and Pathogenicity”

[Kasthuri J Venkateswaran](#), Jet Propulsion Laboratory (JPL), NASA Ames Research Center, Pasadena, CA

- 10:05 AM – 10:20 AM** **“Novel Solutions for Unbiased Results in Metagenomic Analysis of Human Microbiome Samples”**
Iara Rodrigues, QIAGEN Platinum-Sponsor Talk
- 10:25 AM - 10:40 AM** **Metagenomics in the Twilight Zone. Novel Sequencing Approaches for Extreme Environments.**
*Scott W. Tighe, Scientific Lead Extreme Microbiome Project
University of Vermont USA*
- 10:40 AM – 11:00 AM** **Coffee Break – Visit with Vendors**
- 11:00 AM – 12:00 PM** **Main Consortium Manuscript Discussion**
*Christopher E. Mason, Associate Professor, Weill Cornell Medicine,
Director of the WorldQuant Initiative for Quantitative Prediction*
- 12:00 PM – 14:30 PM** **Lunch and Networking**
- 14:30 PM - 16:00 PM** **Companion Papers & Grants Discussion**
- 16:00 PM – 16:30 PM** **Special Topic Talks (10 min each)**

Presenter	Talk Title
Jonathan Foox	Comparison of NGS Technologies on Metagenomic Microbial Standards to Establish a Reference Resource
Marius Dybwad	MetaSUB Norway Air Sampling Initiative and Monumentome
Daniela Bezdán	Tribal Experiences in the Ecuadorian Jungle

- 16:30 PM – 17:00 PM** **“Communicating Science in a Digital World”**
[Sarah Mojarad](#), Lecturer of Engineering Writing and Medical Education, University of Southern California
- 17:00 PM – 17:30 PM** **Open Technical Discussions**
- 17:30 PM - 17:50 PM** **Future Plans of MetaSUB**
*Daniela Bezdán, Executive Director of MetaSUB
Research Director, Mason Lab, Weill Cornell Medicine*
- 17:50 PM-18:00 PM** **Closing Remarks**
- 20:00 PM** **Dinner**

Thursday, August 16th
Brunch and Discussion

MetaSUB would like to recognize the sponsors that make this meeting possible

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