SUMMARY

On Sunday 19 August, around 2,000 scientists arrived at the Palais des Congrès de Montréal, located in between Montreal’s Old Town and the modern part of the city. The Canadian flavor was very much present at the Sunday opening; LOC Chair Richard Villemur presented the history of microbial ecology in Canada on behalf of Ed Topp. This was followed by Charles Greer’s plenary lecture, which also involved an ice hockey stick. A traditional Quebecois dance group showed the audience their skills and the jazzy tunes of McGill University’s band could be heard during the opening reception.

A busy week of science followed, helmed by excellent plenary presentations of Roman Stocker, Richard Lenski, Emma Allen-Vercoe, and Siv Andersson. Penny Chisholm gave an inspiring lecture after receiving her Tiedje Award and Tom Curtis’ Bird’s Eye View lectures provided a lot of food for thought. Gerry Wright closed the meeting on Friday 26 August with his retrospective remarks in regard to the field. And on Tuesday 23 August nearly all delegates were able to attend the ISME Social Gathering at the classy decorated New City Gas venue, as it was included in the registration fees this year. We partied, danced, ate, swung, or played foosball until the last bus left for the city center again.

The results of the delegate survey show that almost everyone had a very positive experience. We realize that there is always room for improvement but nonetheless we are thrilled that ISME16 was perceived in such a positive way.

ISME is grateful for a successful meeting, and would like to thank all delegates, speakers, sponsors, exhibitors and volunteers for their contribution. We hope to see you all in Leipzig.

FACTS AND FIGURES

- Abstracts/papers received: 2066
- Keynote Presentations: 7
- Bird’s Eye View Presenters: 1
- Invited Presentations: 117
- Round Table Sessions: 9
- Contributed Papers selected for Oral presentation: 231
- Contributed Papers selected for Poster presentation: 1724
- Number of Attendees: 2126
SCIENTIFIC AWARDS

The Jim Tiedje Award: This is presented to an exalted microbial ecologist who is recognized for his or her Outstanding Lifetime contribution to the field of microbial ecology. Past winners of this award include Nancy Moran (2014), Stephen Giovannoni (2012), Bo Barker Jørgensen (2010), Norman Pace (2008), Gijs Kuenen (2006) and Farooq Azam (2004). The 2016 awardee is Sallie W. (Penny) Chisholm, who presented her award lecture on the evening of Thursday, 25 August, 2016.

The ISME Young Investigator Award: This award recognizes early career microbial ecologists who have made significant contributions to this field. Past winners of this award include Ruth Ley (2014), Victoria Orphan (2012), Marc Strous (2010), Forest Rohwer (2008), Phil Hugenholtz (2006) and Ian Head (2004). The recipient of the 2016 award is Gene Tyson, University of Queensland, Australia.

ISME Student Poster Award: This is reserved for students, or graduates within two years of graduation as long as they are the first author on a submitted poster presentation. The ISME16 recipients are:

- Mallory Choudoir (Cornell University, United States), “Gene content and diversification of secondary metabolite biosynthetic gene clusters coincides with divergence of terrestrial Streptomyces populations”
- Christopher E. Lawson (University of Wisconsin-Madison, United States), “Distributed metabolic networks reveal microbial community interactions in anammox granules”
- Laura-Carliota Paz (Aarhus University, Denmark), “Differential effects of three nephridial earthworm symbionts on fitness, metabolome, and amino acid acquisition of their host”
- Nika Pende (University of Vienna, Austria), “Dividing to expand: coccus-like growth mode in rod-shaped nematode symbionts”
- Thomas S.B. Schmidt (University of Zurich, Switzerland), “A family of interaction-adjusted indices of community similarity”
- Wenke S Mets (University of Antwerp, Belgium), “The effect of land use and air pollution on the bacterial phyllosphere of Ivy and London plane tree”
- Brodie Sutcliffe (Macquarie University, Australia), “Effect of uranium on sediment microbial communities”
- François-Étienne Sylvain (Université Laval, Canada), “You are what you eat: get mature faster by foraging on your parents; the discus fish example”
- Yuto Ueda (Hiroshima University, Japan), “An innovative cultivation method that enable isolating pure culture automatically”

The D.C. White Award: David C. White’s vision was to honour and respect the power of quantitative analytical chemistry to microbial ecology. Thus, this award is presented to the most innovative poster at the ISME Symposia. The inaugural 2016 award was presented to Yuto Ueda, Hiroshima University, Japan.

The MOBIO Award: Bronze Sponsor MOBIO Laboratories, Inc. presented the MO BIO Award for the best poster at the symposium. The award was granted to Wenke Smets, University of Antwerp, Belgium.

The Bill Costerton Award: In honour of Bill Costerton, the award is granted to the author of the poster that best involves new theories in microbial ecology and wider inter-disciplinary significance. The award was presented to François-Étienne Sylvain, Université Laval, Canada.

The Tom Brock Awards acknowledge the accomplishments and promise of outstanding postdoctoral research associates on the basis of the presentations that they make at the ISME Symposium. The awards were granted to Sebastian Lückner, Radboud University Nijmegen, the Netherlands, and Kenneth Locey, Indiana University, United States.

The ISME-IWA Biocluster Award recognizes the importance of interdisciplinary research at the interface of microbial ecology and water/wastewater treatment. The Grand Prize was awarded to both Holger Daims, University of Vienna, Austria, and to Lutgarde Raskin, University of Michigan, USA. Mads Albertsen, Aalborg University, Denmark, received the The Rising Star Prize.
Travel Awards

ISME made funds available for travel awards for approximately 80 young scientists. The grants were:

- North America € 300 (around CAD 400)
- Rest of the World € 750 (around CAD 1000)

We received a total of 381 submissions and were able to grant 82 ISME Travel Awards, 3 Exxon Mobil Travel Awards and 3 CSM Travel Awards, resulting in a total of 88 Travel Awards.

ISME Travel Grants:

- Abigail Armstrong, University of Colorado, United States
- Lucas Auer, LISBP (INSA - INRA), France
- Disa Bäckström, Uppsala University, Sweden
- Tom Berben, University of Amsterdam, Netherlands
- Bregje W. Brinkmann, University of Amsterdam, Netherlands
- Timothy Bush, University of Amsterdam, Netherlands
- Eric Capo, CARTEL, INRA, University Savoie Mont Blanc, France
- Yi-Lung Chen, National Taiwan Normal University/Academia Sinica, Taiwan
- Gerald Cobian, University of Hawaii at Manoa, United States
- Yi-Lung Chen, National Taiwan Normal University/Academia Sinica, Taiwan
- Gerald Cobian, University of Hawaii at Manoa, United States
- Jans C. de Scally, University of Pretoria, South Africa
- Vincent Delafont, University of Vienna, Austria
- Kimberly Dill-McFarland, University of Wisconsin-Madison, United States
- Grisel Fierros Romero, Instituto Politécnico Nacional, Mexico
- Marco Giardina, University of Technology Sydney, Australia
- Lars Grossmann, University of Duisburg-Essen, Germany
- Ankit Gupta, Indian Institute of Science Education and Research, Bhopal, India
- Lenka Harantová, Academy of Sciences of the Czech Republic, Czech Republic
- Rachel Harris, Princeton University, United States
- Zhanfei He, Zhejiang University, China
- Olivia Healy, University of Nebraska-Lincoln, United States
- Syrie Hermans, The University of Auckland, New Zealand
- Sur Herrera Paredes, The University of North Carolina at Chapel Hill, United States
- Stefanie Hetz, Leibniz Universität Hannover, Germany
- Johannes Holert, University of British Columbia, Canada
- John Hottenstein, University of Arizona, United States
- Yue Hu, Royal Institute of Technology (KTH), Sweden
- Shi Huang, Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, China
- Nicola Imperiali, University of Lausanne, Switzerland
- Evelyn Joyce, Waterford Institute of Technology, Ireland
- Katharina Kitzinger, University of Vienna, Austria
- Sarah Kopac, University of Connecticut, United States
- Simone S. Li, EMBL Heidelberg, Germany
- Po-Yu Liu, National Taiwan University and Academia Sinica, Taiwan
- Wen-Sui Lo, Academia Sinica, Taiwan
- Gabriel L. Lozano, Yale University, United States
- Jorjan Martijn, Uppsala University, Sweden
- Aliz Mas, UMR 6553 Ecobio, France
- Sean McAllister, University of Delaware, United States
- Jaime Leonardo Moreno-Gallego, Universidad de los Andes, Colombia
- Jiro F. Mori, Friedrich Schiller University Jena, Germany
- Francisco Moya, University of Wisconsin-Madison, United States
- Bhavya Nalagampalli Papudeshi, San Diego State University, United States
- Adrienne Narrowe, University of Colorado Denver, United States
- Daniel Nasko, University of Delaware, United States
- Jose Antonio Navas Molina, University of
California San Diego, United States
David Needham, University of Southern California, United States
Filomena Ng, AgResearch, Grasslands Research Centre, New Zealand
Brent Nowinski, University of Georgia, United States
Nastassia Patin, University of California, San Diego, United States
Niokia Pende, University of Vienna, Austria
Jean F. Power, GNS Science/University of Waikato, New Zealand
Jacob Price, Drexel University, United States
Kristin Rath, Lund University, Sweden
Henriette Lyng Røder, University of Copenhagen, Denmark
Luis M Rodriguez-R, Georgia Institute of Technology, United States
Robin Rohwer, University of Wisconsin-Madison, United States
Albert Remus Romero Rosana, University of Alberta, Canada
Ezequiel Santillan, Nanyang Technological University, Singapore
Ruth Schmidt, Netherlands Institute of Ecology, Netherlands
Michael Shaffer, University of Colorado Denver, United States
Cynthia Silveira, San Diego State University, United States
Yihua Sun, Ghent University, Belgium
Shan Sun, Virginia Tech, United States
Sotaro Takano, Osaka University, Japan
Sofie Thijs, Hasselt University, Belgium
Deepa Ruth Varkey, Macquarie University, Australia
Joost Verhoeven, Memorial University of Newfoundland, Canada
Marta Volpi, Aarhus University, Denmark
Sanne Westhoff, Leiden University, Netherlands
Nathan I. Wisnoski, Indiana University, United States
Hon Lun Wong, University of New South Wales, Australia
Jen Wood, La Trobe University, Australia
Ke-Qing Xiao, Aarhus University, Denmark
Lily Xu, MIT and the Broad Institute, United States
Han Yan, Tongji University, China
Wenkai Yan, Shanghai Jiao Tong University, China
Keren Yanuka-Golub, Tel Aviv University, Israel
Yasuko Yoneda, National Institute of Advanced Industrial Science and Technology (AIST), Japan

Sponsored by ExxonMobil:
Francisco Dini Andreote, University of Groningen, Netherlands
Colleen Friel, Michigan State University, United States
Michael Hoggard, University of Auckland, New Zealand

Sponsored by the Canadian Society of Microbiologists:
Preshita Gadkari, Rutgers University, United States
Ben Oyserman, University of Wisconsin, United States
Christine Sharp, University of Calgary, Canada

**Applicants Travel Awards**

<table>
<thead>
<tr>
<th>Region</th>
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<tr>
<td>North America</td>
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**Distribution Travel Awards**

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<tr>
<td>Oceania</td>
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FACTS ON REGISTRATION AND ATTENDANCE

Total Number of Attendees: 2126, from 51 Countries
Total Number of Attendees including Exhibitors and Accompanying Persons: 2219

Breakdown of Attendees per Region:

### Attendees ISME16

- North America: 43%
- Latin America: 17%
- Africa: 5%
- Europe: 30%
- Asia: 1%
- Oceania: 4%

Breakdown of Registration per Category:

### Registration Category

- Members: 28%
- Non-Members: 23%
- Student Members: 14%
- Student Non-Members: 7%
- Low Income Countries: 0%
- VIP (Speakers and Staff): 0%
- Sponsor Complimentary: 1%
- Press: 1%
- Exhibitors: 0%
# POSTERS

Total number of Posters: 1724

<table>
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<tr>
<th>Session No.</th>
<th>Title</th>
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<tr>
<td>PS01</td>
<td>Evolution</td>
<td>64</td>
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<tr>
<td>PS02</td>
<td>Extreme environments</td>
<td>87</td>
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<tr>
<td>PS03</td>
<td>Nitrogen assimilation</td>
<td>14</td>
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<tr>
<td>PS04</td>
<td>Freshwater microbial ecology: crossing the border from sediment to the pelagic zone</td>
<td>54</td>
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<tr>
<td>PS05</td>
<td>Pathogen ecology and evolution</td>
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<td>PS06</td>
<td>Genomics and ecophysiology of single microbial cells</td>
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<td>PS07</td>
<td>Communication and networks in biofilm communities</td>
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<td>PS08</td>
<td>Cutting-edge methods in microbial ecology</td>
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<tr>
<td>PS09</td>
<td>Mechanistic understanding of the human and mammalian microbiome</td>
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<td>PS10</td>
<td>Microbial eukaryotes</td>
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<td>PS11</td>
<td>Microbial cycling of one carbon compounds</td>
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<tr>
<td>PS12</td>
<td>Cultivating elusive microbes</td>
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<td>PS13</td>
<td>Archaea: ecophysiology and evolution</td>
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<td>PS14</td>
<td>Symbiotic associations: evolutionary mergers and acquisitions</td>
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<td>PS15</td>
<td>Soil microbial ecology</td>
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<td>PS16</td>
<td>Ecological theory</td>
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<td>PS18</td>
<td>Petroleum microbiology</td>
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<td>PS19</td>
<td>Bioremediation: working with natural microbial communities to improve water and soil quality</td>
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<td>PS20</td>
<td>Dissimilation of nitrogen compounds</td>
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<td>PS21</td>
<td>Human microbiome: exploration and manipulation</td>
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<td>PS22</td>
<td>Microbial ecology meets environmental biotechnology</td>
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<td>PS23</td>
<td>Applying -omics approaches to understand microbial functioning</td>
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<td>PS24</td>
<td>Oceans of discovery, seas of change</td>
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<td>PS25</td>
<td>Metal cycling</td>
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<td>PS26</td>
<td>Polar microbial ecology</td>
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<td>PS27</td>
<td>M&quot;ISME&quot;rizing viruses: diversity and interactions</td>
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<td>PS28</td>
<td>Sulfur links in Earth's microbiomes</td>
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<tr>
<td>PS29</td>
<td>Plant-microbe interactions</td>
<td>130</td>
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VENUE
ISME16 took place at the Palais des Congrès de Montréal, in downtown Montreal, Canada.

SOCIAL EVENTS
ISME Party – New City Gas
For ISME16, we could include the party ticket in the registration fee, allowing all delegates to attend
Number of Attendees: 1745
The Tours were outsourced to a third party and are not part of the ISME16 organization. Numbers for the
tours are therefore unknown.

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Cameca

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National Research Council Canada

Oxford University Press

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Sabine van Wegen, the Netherlands (Events Coordinator)
Nina Koele, the Netherlands (Events Assistant)

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Sang-Jin Kim, Korea Institute of Ocean Science & Technology (KIOST), South-Korea (Chair ISME15)