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C/O Mrs. Wafaa H. Antonious  
Rofail Conference and Management Services  
17 Dossetter Way  
Ottawa, ON K1G 4S3

Tel: 613 421 7229 Fax: 613 421 9811  
E-mail: [info@csm-scm.org](mailto:info@csm-scm.org)  
[www.csm-scm.org](http://www.csm-scm.org)

## **68th CSM – SCM Annual General Meeting**

**Date: Wednesday, June 20th, 2018**  
**Location: University of Manitoba,**  
**Killarney Room 210 University Centre**  
**Winnipeg, MB**

**Time: 5:00 – 6:00 PM**

### **Meeting Agenda**

1. Introductions
2. Approval of Agenda
3. Approval of minutes from Waterloo 67<sup>th</sup> Annual General Meeting, June 20, 2017
4. Matters arising from 67<sup>th</sup> Annual General Meeting report
5. President's Report – Andrew Lang
6. 1<sup>st</sup> Vice President's Report – Marie Elliot
7. Past President's Report – Christine Szymanski
8. Secretary Treasurer's report – Mohan Babu
  - a) 2018 Budget
  - b) 2017 Audited Financial Statement
  - c) Membership Report
  - d) CSM Website Report
9. Meetings' Secretary's Report – Chris Yost
10. Meetings Conferences and Workshops
  - a) Report on 2017 conference – Josh Neufeld & Laura Hug
  - b) Report on 2018 conference – Ann Karen Brassinga, Ayush Kumar & Ivan Oresnik
  - c) Report on 2019 conference – Vincent Burrus and Louis-Charles Fortier
  - d) Future Conferences & Workshops Takuji Tanaka
11. Post Doctoral representative's report – Stefanie Vogt

12. Student representative's report – Rhiannon Wallace
13. New Members of the Executive & Council – Andrew Lang
14. Reports from the sections
  - a) *Applied Environmental Microbiology* – Steven Short & Laura Hug
  - b) *Infections and Immunity* – Sebastien Faucher and Georgina Cox
  - c) *Molecular Genetics and Cellular Microbiology* – Shawn MacLellan & Tracy Raivio
15. Reports from committees
  - a) Education and Careers Committee – Josh Neufeld, Teresa de Kievit & Denice Bay
  - b) FOME – Tanya Noel & Josie Libertucci
  - c) Awards Report
    - i. *CSM Murray Award for Career Achievement* – Janet Wood
    - ii. *Fisher Scientific Award* – Chris Yost
    - iii. *Armand Frappier Award* – Lori Burrows
16. Reports from representatives to outside organizations
  - a) *Canadian Journal of Microbiology* – Chris Yost & Kari Dunfield
  - b) *International Union of Microbiological Societies Virology* – Rodney Russell
  - c) *International Union of Microbiological Societies – Mycology* – Jennifer Geddes-McAlister
  - d) *International Union of Microbiological Societies – Bacteriology* – Charles Dozois
  - e) *International Committee on Taxonomy of Viruses* – Andrew Lang-
  - f) *Biological & Chemical Defence Review* – Jon van Hamme
  - g) *ASM International Membership Comm. & Ambassador to Canada* – Christine Szymanski
  - h) *ASM Young Ambassador to Canada* – Agatha Jassem
  - i) *Partnership Group in Science and Engineering – PAGSE* – Thienny Mah



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Tel: 613 421 7229  
E-mail: [info@csm-scm.org](mailto:info@csm-scm.org)  
[www.csm-scm.org](http://www.csm-scm.org)

## **67th CSM – SCM Annual General Meeting**

**Date: Thursday, June 22nd, 2017**  
**Location: University of Waterloo,**  
**Science Teaching Complex Room: STC 0010**  
**Waterloo, ON**

**Time: 6:00 – 7:30 PM**

### **Meeting Agenda**

1. Introductions
2. Approval of Agenda
3. Approval of minutes from Toronto 66<sup>th</sup> Annual General Meeting, June 13, 2016
4. Matters arising from 66<sup>th</sup> Annual General Meeting report
5. President's Report
6. 1<sup>st</sup> Vice President's Report
7. Past President's Report
8. Secretary Treasurer's report
  - a) 2017 Budget
  - b) 2016 Audited Financial Statement
  - c) Signing Officers
  - d) Membership Report
  - e) CSM Website Report
9. Meetings' Secretary's Report
10. Meetings Conferences and Workshops
  - a) Report on 2016 conference
  - b) Report on 2017 conference
  - c) Report on 2018 conference
  - d) Future Conferences & Workshops
11. Student representative's report

12. New Members of the Executive & Council
13. Reports from the sections
  - a) *Applied Environmental Microbiology*
  - b) *Infections and Immunity*
  - c) *Molecular Genetics and Cellular Microbiology*
14. Reports from committees
  - a) Education and Careers Committee
  - b) FOME – Tanya Noel & Josie Libertucci
  - c) Awards Report
    - iv. *CSM Murray Award for Career Achievement*
    - v. *Fisher Scientific Award*
    - vi. *Armand Frappier Award*
15. Reports from representatives to outside organizations
  - a) *Canadian Journal of Microbiology*
  - b) *International Union of Microbiological Societies*
  - c) *International Committee on Taxonomy of Viruses*
  - d) *Biological & Chemical Defence Review*
  - e) *ASM International Membership Comm. & Ambassador to Canada*
  - f) *ASM Young Ambassador to Canada*
  - g) *Partnership Group in Science and Engineering - PAGSE*

## Minutes

### **Participants:**

Richard Sparling, Tobin Verbeke, France Daigle, Charles Dozois, Marylise Duperthuy, Stephanie Jones, George diCenzo, Anli Gao, Emma Mulholland, David Crisante, Christine Pham, Savannah Colameco, Xiafei Zhang, Emilie Spasov, Alex Diamandas, Steven Kuzyk, Justin Hawkins, Derek Kim, Sabhjeet Kaur, Patricia Ordonez, Silvia T. Cardona, Steven Short, Rahat Zaheer, Janet Hill, Deeksha Shetty, Carole Creuzenet, Susan Koval, Charles Greer, Katherine Kasper, Jackson M. Tsuji, Stephanie Vogt, Rhiannon Wallace, Andrew Lang, Chris Yost, Josie Libertucci, Tanya Noel, Jianping Xu, William Navarre, Teri de Kievit, Marie Elliot, Joseph Lam, Walaa Mousa, Alan Davidson, Karen Maxwell, Sylvain Moineau, Vera Tai, Denice Bay, Claire Freeman, Keith MacKenzie, Felix Campbell-Valois, Monica Patterson, Aline Freitas, Ivan Oresnik, Trevor Charles, Jon Van Hamme, Louis-Charles Fortier, Alexander Hynes, Michael Hynes, Marc Habash, Mériilie Gagnon, Sathursha Gunaratnam, Haley Sanderson, Sara Piché-Choquette, Marie-Laurence Lemay, Marc Gruell, Vincent Burrus, Andrew Kirkwood, Martin Brummell, Chih-Ying Lay, Rolan Whilhelm, Elena Rose Mastin Wooo, Lana El Osta, Tak Tanaka, Kesen Ma, Hongbing Yu, Andrew Cameron, Joe Harrison, Kimberley Gilbride, Martina Hausner, Christine Szymanski, Mohan Babu, Wafaa Antonious, Josh Neufeld

### **1. Introductions**

Christine Szymanski, CSM President, introduced members of the Executive.

### **2. Approval of Agenda**

**Motion:** Chris Yost made a motion to the approve the agenda Josie Libertucci seconded the motion

### **3. Approval of minutes from Toronto 66<sup>th</sup> Annual General Meeting, June 13, 2016**

**Motion:** Andrew Lang made a motion to approve the minutes, Susan Koval seconded the motion.

### **4. Matters arising from 66<sup>th</sup> Annual General Meeting report**

Matters arising from the 66<sup>th</sup> Annual General Meeting (AGM) are part of the 67<sup>th</sup> Agenda and will be discussed at the AGM.

### **5. President's Report**

Christine thanked Josh Neufeld and Laura Hug, 2017 Conference Chairs and Wafaa Antonious, CSM Secretariat and Conference Organizer for their efforts in organizing the CSM 2017 Waterloo conference.

She then listed the open council positions which were IUMS Virology & Mycology, Armand Frappier Award Committee and encouraged the attendees to engage and apply for the positions and be involved in the society's activities. She stated that she would like to discuss the survey that was handed at the start of the meeting and would like to discuss some of these ideas, Chris Yost will create a committee to discuss the profit sharing options with the LOC and what future initiatives CSM should take on. Various written reports are included in the package and only items that need to be discussed or brought to the membership attention will be presented.

### **6. 1<sup>st</sup> Vice President's Report**

Andrew Lang stated that he had nothing to add to the written report other than he was looking forward to working with the Executive and the CSM 2018 Winnipeg Conference Chairs.

### **7. Past President's Report**

Chris Yost stated that Christine had already mentioned that he would be creating either one or two committees to discuss the LOC profit sharing and new initiatives CSM should take based on the feed back from the survey.

### **8. Secretary Treasurer's report**

#### **a) 2017 Budget**

Mohan Babu presented the budget, highlighted some of the important figures in the budget. The current revenue for operation is \$41,031.70 but CSM is investing in new initiatives in addition to spending \$4,5000 in support of the Ambassador and the undergraduate Awards and Student events. We are estimating \$20,169.13 in net profit for 2017 conference.

**Motion:** Alex Hynes made a motion to approve the 2017 Budget, Ivan Oresnik seconded the motion, all in favour, budget approved.

#### **b) 2016 Audited Financial Statement**

Mohan Babu then presented the 2016 Audited Financial statement prepared by Ms. Andrea Poole and went through the highlighted numbers.

**Motion:** Charles Dozois made a motion to accept the 2016 audited financial statement, seconded by Richard Sparling, all in favour, motion approved.

#### **c) Signing Officers**

Mohan then listed CSM signing officers who are currently or will be added: Wafaa Antonious, Andrew Lang, Marie Elliott and Mohan Babu.

**Motion:** Alex Hynes made a motion to approve the current and the new signing officers, Trevor Charles seconded the motion, all in favour, motion approved.

#### **d) Membership Report**

Mohan Babu then presented the membership report.

#### **e) CSM Website Report**

Mohan Babu presented the Website report and went over some highlighted numbers.

#### **9. Meetings' Secretary's Report**

Russell Hynes sent his regrets as he could not attend due to family emergency. Written report is included and nothing to add to it.

#### **10. Meetings Conferences and Workshops**

##### **a) Report on 2016 conference**

##### **b) Report on 2017 conference**

Josh Neufeld presented 2017 Conference report. It looks like we are going to make \$20,000 which will cover CSM operating budget. We use the gym for the poster presentations, exhibits and lunch. We got positive feedback. We added a couple of \$10.00 fees to workshop attendance and the banquet to make sure that they attend. We lowered the student mixer fee from \$25 to \$10.

Josh added that the Post Doc symposium will be held the following day. The Roger Knowles Lab alumni donated \$4,320 to secure a \$500 prize for 8 years. He recommended to have the PD symposium on long term. He recommended adding the PD symposium as part of the guidelines document for future LOC members. Richard Sparling thinks it is a great idea, but he would like terms of reference before approving it and believes we should be organizing symposia and activities for PD. He would not mind voting for the principal and have a committee to setup terms of reference. Christine stated that we would like to encourage the future LOC to have a PD symposium but not impose on the LOC. Josh stated that it will be part of the education committee's role in 2018 to discuss and determine the terms of reference. Chris recommended stating in the minutes that the membership has discussed it and made a motion to approve having a PD symposium. Ivan, recommended to have a mechanism to have people support this initiative, so that CSM would not be forced to stop providing the PD Symposium after 8 years when the raised funds run out. Susan Koval asked where the terms of references were posted. The operation manual is not posted on the CSM website and recommended posting it.

**Motion:** Josh made a motion that the membership support developing a Knowles Post Doctoral Research symposium as part of CSM future conferences, Chris seconded the motion, all in favour, motion approved.

Josh thanked Laura Hug who is his Co-Chair, the student coordinators, LoC including Trevor Charles. The scientific effort has been great because of their contributions to the program. He thanked Wafaa for her contributions, dedications that were reflected in these 2 am emails which showed her caring about CSM.

##### **c) Report on 2018 conference**

Ivan Oresnik will make a presentation. He had nothing to add to the written report except they are looking forward to hosting the CSM 2018 in Winnipeg and encouraged the attendees to participate in the conference.

##### **d) Future Conferences & Workshops**

## **11. Student representative's report**

Rhiannon Wallace presented the Student Representative report. She added that she would be using the social media to advertise CSM awards and encourage participation. We would like to push our social media page, Stefanie Vogt will help with the Facebook postings and create a Snap chat page. She will continue to encourage the students to send in a short bio to post on "Meet the Microbiologists" page. We would like to increase our content on Face Book and activities on Twitter.

## **12. New Members of the Executive & Council**

Christine Szymanski listed the new members of the Executive Janet Hill who will serve as 2<sup>nd</sup> Vice President and Stefanie Vogt as the first Post Doctoral Representative.

## **13. Reports from the sections**

- a) *Applied Environmental Microbiology*
- b) *Infections and Immunity*
- c) *Molecular Genetics and Cellular Microbiology*

## **14. Reports from committees**

### **a) Education and Careers Committee**

### **b) FOME – Tanya Noel & Josie Libertucci**

Josie Libertucci stated that this was the third year that FOME workshop had been organized. We are trying to help people with teaching related matters. With the nominal charge, they actually partially covered the cost of the expenses. Tanya Noel asked if anyone was interested in helping them in coordinating the 2018 FOME.

### **c) Awards Report**

#### *CSM Murray Award for Career Achievement*

Christine said that she had already warned Sylvain Moineau, CSM 2017 Murray Award that after winning the award he would then join the Murray Committee. We also introduced that any nominations that were received but not chosen, CSM will keep their nominations for 3 years for consideration upon the nominee's approval, they will just need to provide an updated CV.

#### *Fisher Scientific Award*

#### *Armand Frappier Award*

## **15. Reports from representatives to outside organizations**

### **a) Canadian Journal of Microbiology**

Chris Yost encouraged the membership to support the CJM if they want Canadian Science Publishing (CSP) to support the society. CSP supports the Murray Award and the conference.

Christine Szymanski said we have some open slots for positions on the council.

### **b) International Union of Microbiological Societies**

### **c) International Committee on Taxonomy of Viruses**

### **d) Biological & Chemical Defence Review**

Jon Van Hamme explained what was involved in his role. He stated that BCDR organized three visits a year. He had already participated in two trips. BCDR are interested in genomics, synthetic biology and viruses.



They will start rolling out more programs to make academics involved. In 2016 they hired 50 new scientists and they are planning to hire more scientists. You can get 120,000 over 3 years for your discovery grants if your research is related to defence.

**e) *ASM International Membership Comm. & Ambassador to Canada***

Trevor Charles reported that ASM was reaching out to outside countries and is trying to show case itself as an international society. He then asked for show of hands of who were already members of the ASM and then asked how many would like to have a joint ASM / CSM membership. There is an opportunity for CSM to take on international activities. ASM is also supporting Students microbiology Clubs.

**f) *ASM Young Ambassador to Canada***

**g) *Partnership Group in Science and Engineering – PAGSE***

**Meeting adjourned.**

Christine Szymanski welcomed any of the participants who would like to stay and discuss the results of the survey. She then explained the idea behind the survey. When the executive met and looked at the operation of CSM the revenue is short of ~ \$10,000 to cover its expenses, so it needs the conference to cover this deficit. The latest conferences have been securing around \$20,000 in profits. So, what should CSM take on as initiatives to use these funds. The travel awards can also be competitive, not just providing funds. Christine said the other society that she serves on its board would budget for travel awards. There was a suggestion that we can offer to the LOC a number of travel awards that they can advertise to attract more attendance to the conference. Josh Neufeld suggested one option could be that the LOC get a percentage or dollar amount of \$10 / registration. Then they discussed how travel awards would help conference participation and it was recommended that PD be eligible to receive the travel awards as they do not have much access to grants as students do. Janet Hill stated that the institutions that would benefit the most from travel awards were the ones that will never host the CSM because they are farther and not the most popular. The committee should consider some of the travel awards go to the LOC and the rest to CSM members.

Training workshops: Christine did not realize that ASM was dropping their support for smaller meetings.

How important is it to have a mid career award? Will receiving such an award have an impact and provide them with better chances to receive grants.

Some of the suggestions were:

- involving first nations people to promote naturalist. Even invite first nations students to bring them into the conference.
- Consider out reach to the local students.
- Have some kind of initiative for international members.

Christine ended the discussion by saying that she would like to hear more about the initiatives that ASM had from Trevor Charles. She thanked those who stayed to discuss the survey and the initiatives.

Meeting adjourned.

## 1. **President's Report – Andrew Lang**

As I trust you will see from contents of this annual general meeting report package, our Society is as strong, or stronger, than ever before. It was my honour to serve as our Society's President this year.

One of the reasons our Society is currently so strong and vibrant is because of our conferences, which are fantastic events. I would like to thank the University of Manitoba Local Organizing Committee, led by Ann Karen Brassinga, Ayush Kumar and Ivan Oresnik, for all their work putting together this year's meeting. In addition to the LOC, I also thank our Section Chairs and Co-Chairs, Meetings Secretary, the Careers and Education Committee Members, and the Committee on Microbiology Undergraduate Education Co-Chairs for all of their vital contributions to the organization of this year's Conference. One new addition is the dedication of additional funds to support trainee travel to the Conference and I hope the Society finds this to be a beneficial new opportunity.

Once this year's Conference is finished, we will immediately turn our attention to next year's event at Université de Sherbrooke. The Sherbrooke LOC, led by Vincent Burrus and Louis-Charles Fortier, have already been working very hard on planning and preparing for our time there in June 2019. One of the indications of our Society's current health is the willingness around the country to host and organize the annual Conference, and we therefore can look forward to subsequent years' meetings at the University of Guelph (2020), Dalhousie University (2021) and Western University (2022).

Our Society functions because of the many people across the country that volunteer to serve in different ways, from the Executive through to our Institutional Representatives. I would particularly like to thank the other Executive Members from this year for all their help and support. I wish the best to Christine Szymanski, our outgoing Past President, for all of her efforts over the previous years, but I am glad to be able to point out that she will continue to be active in the Society as she is now CSM's Ambassador to ASM. We will have new Graduate Student and Post-doctoral Fellow Representatives in the coming year and I would like to thank Rhiannon Wallace and Stefanie Vogt for their service in these positions. I look forward to presenting our incoming President, Marie Elliot, with her President's hat and wish her the best for her coming term.

Lastly (and certainly not least!) I want to acknowledge all the amazing contributions to our Society made by our Secretariat, Wafaa Antonious. We all interact with Wafaa as part of the Society, but it truly becomes obvious how important she is when you are part of the Executive. She always has the Society's best interests in her heart and I don't know what we would do without her!

## 2. **1<sup>st</sup> Vice President Report – Marie Elliot**

I have very much enjoyed working and learning from the current Executive members, and am very much looking forward to working with them – and with incoming members – over the next year.

Over the last year, we have worked to establish terms of reference for the Armand Frappier Outstanding Student Award, which are outlined below:

### **Armand Frappier Outstanding Student Award – Terms of Reference**

**Award:** One award presented at the annual conference of the Canadian Society of Microbiologists. The award includes a cheque of \$500, a framed certificate, travel, accommodation and complementary registration for the annual conference.

**Purpose:** To provide national recognition for outstanding graduate student microbiologists.

**Eligibility:** Any student currently enrolled in a recognized Canadian graduate program, or who completed their graduate program requirements in a recognized Canadian graduate program no later than July 1<sup>st</sup> of the preceding year, is eligible for the award\*. Both the nominated student and their nominating University representative, must be paid (current) members of the Canadian Society of Microbiologists.

\* There were some mixed views on where the eligibility line should be drawn. While the majority of executive members liked the idea of keeping it 'Canadian', opening it up to students from outside Canada, if they – and their supervisors – were CSM members, was viewed as one way of encouraging international scientists to become CSM members. Thoughts from members of the education committee would be very much appreciated here.

**Process:** One nomination is accepted per institution. The nomination process involves completing the online application form, and submitting it by the nomination deadline. The selection of the award winner is made by an Award Committee consisting of three international members\* appointed by the CSM president. If the committee believes that no nominee merits the award in any given year, then no award shall be given.

\*The award committee usually comprises CSM members, and aims to achieve:

- gender balance
- regional representation
- diverse career stage
- research interests that cover the three main CSM sections

## **7. Past President Report – Christine Szymanski**

It has been my pleasure to serve on the CSM Executive for the past 5 years. The CSM is a vibrant and thriving society with great potential to make significant impacts in our field and particularly have a substantial influence on our youth. I am leaving you in the hands of an energetic new Executive that I am confident will continue to build the CSM and expand its contributions. As I step down from the role of Past-President, I move into another role as the ASM Ambassador to Canada and will provide a report on my activities in this capacity further in this document.

I am a proud member of the Canadian Society of Microbiologists and I look forward to serving you in other capacities in the future.

**8. Secretary – Treasurer’s Report – Mohan Babu**  
**a) 2018 Budget**

	<b>2018</b>	<b>2017</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
	<b>June</b>	<b>Audited</b>	<b>June</b>	<b>Audited</b>	<b>Audited</b>
	<b>Estimated</b>	<b>Budget</b>	<b>Estimated</b>	<b>Budget</b>	<b>Budget</b>
	<b>End to Year</b>		<b>End to</b>		
			<b>Year</b>		

**REVENUE SOURCES FOR OPERATIONS**

Investment & Misc Income	2,104.00	2,162.08	1,411.7	1,568.35	1,520.30
<b>Membership Fees</b>	<b>38,374.00</b>	40,843.30	37,000.0	38,674.25	31,851.00
Subscriptions to the CJM	730.00	728.00	370.0	1,093.00	610
Advertising & Sponsorship Income	500.00	650.00	2,250.0	1,230.64	750
<b>Awards Support 2018 *</b>	<b>5,550.00</b>				
<b>Beveridge Poster Support 2018 *</b>	<b>1,500.00</b>				
ISEME 8 Support 2018 *	2,800.00				
<b>Knowles PD Award 2018 *</b>	<b>500.00</b>				
<b>Subtotal</b>	<b>52,058.00</b>	<b>44,383.38</b>	<b>41,031.7</b>	<b>\$42,566.24</b>	<b>\$34,731.30</b>

**REVENUE SOURCES FOR ANNUAL CONFERENCE**

Awards Income		11,457.01	10,950.00	10,241.00	9,000.00
Annual Conference Exhibits and Grants & Mtg Folder	60,800.00	59,207.42	56,400.00	62,863.46	53,240.00
Annual Conference Registration including Tickets	147,915.00	154,601.79	154,295.00	170,768.00	47,436.00

<b>Subtotal</b>	<b>\$ 208,715.00</b>	<b>225,266.22</b>	<b>221,645.00</b>	<b>243,872.46</b>	<b>109,676.00</b>
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<b>TOTAL OF ALL REVENUE SOURCES</b>	<b>260,773.00</b>	<b>269,649.60</b>	<b>262,676.70</b>	<b>286,438.70</b>	<b>144,407.30</b>
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**EXPENDITURES FOR OPERATIONS**

<b>Website Development</b>	<b>7,500.00</b>	7,275.00	7,425.00	1,950.00	600
<b>Website Maintenance</b>	<b>2,029.50</b>	517.00	750.00	1,941.50	714.4
Logo / graphic design banner	-				0
Secretariat	26,551.00	26,247.00	25,800.00	25,807.88	21,373.50
Audit	3,850.00	3,800.00	3,800.00	3,750.00	3,700.00
Bank & Credit Card Charges	8,142.94	7,633.79	4,200.00	6,661.99	3,513.00
Balloting & Bylaws / CNW - media advisory & Constant Contact fees	722.32	758.10	900.00	767.49	246
CJM Subscriptions	1,200.00	1,109.00	350.00	1,438.00	850
Membership in the IUMS & Other Organizations	2,291.71	2,191.34	2,200.00	1,011.00	1,841.00
Liaising & Meetings (board Travel)	500.00	-	-		0
Telephone, Conference Calls	477.68	426.47	550.00	330.58	360.17

Translation	-	225.00	325.00	70.00	
Office Supplies	-	277.86	-		0
Office Couriers	-		50.00	34.35	
Office Copies	-		-		
Storage & Shredding	250.00	198.00	162.00	162.00	162
Office Postage	-		-		0
Taxes & Miscellaneous	25.00	23.70	250.00	338.69	230.68
Under Graduate, Ambassador & Travel Awards **	10,900.00	3,795.91	4,500.00	5,452.74	5,790.50
Armand Frappier, Thermo Fisher and Murray Awards	5,000.00	-			
Student symposium Award	4,000.00	-			
Poster Awards	1,500.00	-			
Knowles PD Prize	500.00				
Awards Suppliss	600.00				
Education & Careers Committee	500.00	329.70	2,500.00	306.34	0
FOME	1,000.00	1,323.92	1,500.00		
Student Day Support & Other Meetings	3,250.00	6,050.00	3,550.00	4,500.00	1,800.00
<b>Subtotal</b>	<b>80,790.15</b>	<b>62,181.79</b>	<b>58,812.00</b>	<b>54,522.56</b>	<b>41,181.25</b>

#### EXPENDITURES FOR ANNUAL CONFERENCE

Annual Conference Expenses Facility, AV, Food & Bev, signage, equipment rental	109,409.00	105,481.59	127,989.87	134,141.00	44,388.00
Executive & Council meeting food & Beverage	285.00		320.00	382.05	519.5
Program Book & Poster Printing & Mail out	3,750.00	4,723.00	2,750.00	5,957.29	0
Meeting Planner Services	27,537.00	28,673.00	25,420.00	28,973.59	7,785.00
Speakers Expenses	17,600.00	9,187.80	18,900.00	16,928.11	19,998.30
Meeting Supplies (Bags) & Frames & Labour	13,000.00	12,791.22	6,846.00	13,250.07	555
Undergrad Travel Awards (U Regina Mtg)					1,854.00
Awards - Armand Frappier	-	1,895.60	1,500.00	2,049.52	0
Awards - Fisher	-	1,500.00	1,500.00	1,500.00	1,500.00
Awards - CSM Murray	-	1,500.00	1,500.00	1,500.00	1,500.00
Rogers Knowles PD Prize	-	500.00	500.00		
Awards - Beveridge Student Awards (Posters)	-	1,500.00	1,500.00	1,500.00	1,500.00
Awards - CSM Travel Awards (st symposia & travel)	-	3,416.72	3,500.00	3,592.04	5,772.00
Credit Card discount fees	4,000.00	4,625.22	5,000.00	5,233.70	1,226.00
Website & Alerts	3,500.00	3,921.50	2,500.00	3,616.25	495
Board Travel & Other	1,000.00	259.00	1,750.00	199.14	0
<b>Subtotal</b>	<b>180,081.00</b>	<b>179,974.65</b>	<b>201,475.87</b>	<b>218,822.76</b>	<b>87,092.80</b>

<b>TOTAL OF ALL EXPENDITURES</b>	<b>258,271.15</b>	<b>242,156.44</b>	<b>260,287.87</b>	<b>273,345.32</b>	<b>128,274.05</b>
<b>SURPLUS (DEFICIT)</b>	<b>1,701.85</b>	<b>27,493.16</b>	<b>2,388.83</b>	<b>13,093.38</b>	<b>16,133.25</b>
<b>Net conference Profit ***</b>	<b>28,634.00</b>	<b>45,291.57</b>	<b>20,169.13</b>	<b>25,049.70</b>	<b>22,583.20</b>
<b>Disbursement to LOC</b>		<b>9,146.00</b>			

**Notes to Budget:**

\* Since CSM has increased the number of awards it provides, which could have its toll on the Conference budget, the 2018 Conference Chairs requested that the awards budget becomes part of CSM operating budget and not the conference.

\*\* CSM added in 2018 twenty travel awards \$250 ea.

\*\*\* The awards revenue and expenses are no longer part of the Conference budget. There is \$1,550 extra cost from the awards that are normally covered under the conference that are not covered by the available sponsorship funds. The ambassador and undergraduate awards have been part of the CSM operating budget since 2013.

As of June 14, 2018, CSM Investment account balance is \$367,128.84 and Chequing account balance is: \$92,028.92. Please note minimal expenses related to the conference has been paid. Most of the conference related expenses will be paid during the conference and after.

**8. Secretary's Treasurer's Report cont'd**  
**b) 2017 Financial Statements Audited by Andrea Poole, CA**

## Independent Auditor's Report

To the Members of  
Canadian Society of Microbiologists

I have audited the accompanying financial statements of Canadian Society of Microbiologists, which comprise the statement of financial position as at December 31, 2017, and the statements of operations and changes in net assets and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

My responsibility is to express an opinion on these financial statements based on my audit. I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the organization's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the organization's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

### Opinion

In my opinion, the financial statements present fairly, in all material respects, the financial position of Canadian Society of Microbiologists as at December 31, 2017, and the results of its operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

*Numeris CPA*

**Numeris CPA**

Chartered Professional Accountant  
Licensed Public Accountant

Ottawa, ON  
June 18, 2018

**Canadian Society of Microbiologists**  
**Statement of Financial Position**  
**As at December 31, 2017**

	2017	2016
<b>Assets</b>		
<b>Current</b>		
Cash	\$ 15,686	\$ 20,522
Short term investment	266,141	258,983
Accounts receivable	10,304	2,967
Prepaid expenses	5,177	3,777
Government remittances receivable	2,845	-
	<b>\$ 300,153</b>	<b>\$ 286,249</b>
<b>Liabilities</b>		
<b>Current</b>		
Accounts payable and accrued liabilities	\$ 17,761	\$ 11,157
Deferred revenue (note 3)	71,010	75,778
Government remittances payable	-	6,279
	88,771	93,214
<b>Balance</b>	<b>211,382</b>	<b>193,035</b>
	<b>\$ 300,153</b>	<b>\$ 286,249</b>

On behalf of the Board

\_\_\_\_\_ Member

\_\_\_\_\_ Member



**Canadian Society of Microbiologists**  
**Statement of Operations**  
**and Changes in Net Assets**  
**Year ended December 31, 2017**

	2017	2016
<b>Revenues</b>		
Annual conference, Schedule 1	\$ 45,292	\$ 25,051
Memberships - individual	40,843	38,674
Interest income	2,162	1,568
Subscription fees for CJM	728	1,093
Advertising and job postings	650	525
Ambassador awards support	-	706
	89,675	67,617
<b>Expenditures</b>		
Secretariat	26,247	25,808
Website	7,792	3,892
Interest and bank charges	7,634	6,662
Student day, undergrad and ambassador awards	9,846	9,953
Professional fees	3,800	3,750
Memberships in other organizations	2,191	1,011
Education, career and FOME committee	1,654	306
Liaising and advocacy	1,185	331
CJM subscriptions	1,109	1,438
Office	700	1,032
Miscellaneous	24	339
	62,182	54,522
<b>Excess of revenues over expenditures before disbursement to conference organizing committee</b>	27,493	13,095
<b>Disbursement to conference organizing committee</b>	9,146	-
<b>Excess of revenues over expenditures</b>	18,347	13,095
<b>Balance, beginning of year</b>	193,035	179,940
<b>Balance, end of year</b>	\$ 211,382	\$ 193,035

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**Canadian Society of Microbiologists**  
**Statement of Cash Flows**  
**Year ended December 31, 2017**

	<u>2017</u>	<u>2016</u>
<b>Operating activities</b>		
Excess of revenues over expenditures	\$ 18,347	\$ 13,095
Change in non-cash working capital items		
Short term investment	(7,158)	(51,568)
Accounts receivable	(7,337)	862
Prepaid expenses	(1,400)	26,056
Government remittances receivable	(2,845)	2,272
Accounts payable and accrued liabilities	6,604	3,344
Deferred revenue	(4,768)	11,287
Government remittances payable	<u>(6,279)</u>	<u>6,279</u>
<b>Net (decrease) increase in cash</b>	(4,836)	11,627
<b>Cash, beginning of year</b>	<u>20,522</u>	<u>8,895</u>
<b>Cash, end of year</b>	<u>\$ 15,686</u>	<u>\$ 20,522</u>

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**Canadian Society of Microbiologists**  
**Notes to the Financial Statements**  
**December 31, 2017**

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**1. Nature of operations**

The Canadian Society of Microbiologists was incorporated without share capital in 1958 under Part II of the Canada Corporations Act and is recognized as a not-for-profit organization for income tax purposes. The Society seeks to advance microbiology in all its aspects and to facilitate the interchange of ideas between microbiologists. The membership includes honorary, emeritus, ordinary, student, and post doc members.

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**2. Significant accounting policies**

The organization applies the Canadian accounting standards for not-for-profit organizations.

(a) **Revenue recognition**

The organization follows the deferral method of accounting for contributions. Restricted contributions are recognized as revenue in the year in which the related expenditures are incurred. Unrestricted contributions are recognized as revenue when received or receivable when the amount to be received can be reasonably estimated and collection is reasonably assured.

(b) **Capital assets**

Capital assets purchased at a cost of less than \$2,000 are expensed in the year of purchase. The Society does not own capital assets at this time.

(c) **Financial instruments**

The organization's financial instruments consist of cash, accounts receivable, accounts payable and accrued liabilities. Unless otherwise noted it is management's opinion that the organization is not exposed to significant interest, currency or credit risks.

(d) **Use of estimates**

The preparation of financial statements in conformity with Canadian accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the balance sheet date and the reported amounts of revenues and expenses during the year. Actual results could differ from those estimates.

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**Canadian Society of Microbiologists**  
**Notes to the Financial Statements**  
**December 31, 2017**

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**3. Deferred revenue**

Beveridge Funds

In 2013 \$21,325 was transferred to the CSM from the Beveridge Memorial Scholarship Fund in order to support the Beveridge Poster Competition. Three prizes of \$500 will be awarded annually until the funds are depleted.

ISME-8 Funds

In 2013 \$50,000 was transferred to the CSM from the ACSME as part of the winding up of the ISME-8 conference surplus funds. The use of these funds is restricted by Terms of Reference agreed to by the CSM with a maximum annual disbursement of \$4,000.

Roger Knowles Funds

In 2017 funds were transferred from alumni of Roger Knowles' laboratory and the CSM in order to establish a memorial award. The use of these funds is restricted and will support a prize of \$500 to be given to the best oral presentation at the Post Doctoral Research Symposium at the CSM Annual Conference. The prize will be awarded annually until the funds are depleted.

	2017	2016
ISME-8	\$ 40,830	\$ 42,747
Beveridge Scholarship	13,824	15,324
Roger Knowles Award	8,864	-
Deferred Membership	7,230	12,445
CJM Subscription Fees for Next Year	262	262
2017 conference sponsorship	-	5,000
	\$ 71,010	\$ 75,778

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**4. Comparative amounts**

The financial statements have been reclassified, where applicable, to conform to the presentation used in the current year. The changes do not affect prior year earnings.

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**Schedule 1**  
**Canadian Society of Microbiologists**  
**Schedule of Annual Conference**  
**Year ended December 31, 2017**

	<u>2017</u>	<u>2016</u>
<b>Revenue</b>		
Registration fees	\$ 154,602	\$ 170,769
Grants	38,757	46,013
Exhibits and other commercial support	20,450	16,850
Awards support	8,041	7,593
ISME-8 support	1,916	1,148
Beveridge support	<u>1,500</u>	<u>1,500</u>
	<u>225,266</u>	<u>243,873</u>
<b>Expenditures</b>		
Facility	105,479	134,522
Planner	28,673	28,974
Conference supplies and other	13,421	13,474
Student symposia awards (Cedarlane, CCM, & ISME-8)	2,500	3,240
Gold, Fisher & CSM awards	4,896	5,050
ISME-8 travel award	1,417	352
Student poster award	1,500	1,500
Speakers	9,188	16,928
Credit card discount	4,625	5,234
Program book	4,094	5,733
Website and alerts	3,922	3,616
Board travel	<u>259</u>	<u>199</u>
	<u>179,974</u>	<u>218,822</u>
<b>Excess of revenues over expenditures</b>	<u>\$ 45,292</u>	<u>\$ 25,051</u>

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## Secretary's Treasurer's Report – Mohan Babu

### 8. d) Membership Report

As of 29 May, 2018

	2018 Total	2018 Renewed	2018 New	2017 Total	2017 Renewed	2017 New	2016 Total	2016 Renewed	2016 New
Ordinary	276	231	45	312	252	65	317	255	62
Student	250	101	149	290	131	162	265	71	194
Post-Doc	60	46	14	77	50	28	78	43	35
Emeritus	19	18	1	17	14	3	15	15	0
Honorary	3	3	0	3	3	0	3	2	1
<b>Total</b>	<b>608</b>	<b>399</b>	<b>209</b>	<b>708</b>	<b>450</b>	<b>258</b>	<b>678</b>	<b>386</b>	<b>292</b>

A short historical timeline of year-end membership totals follows: Wafaa to provide with 2017 info

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
New Members	209	258	292	106	79	207	109	107	239	268	131	135
Renewed Members	399	450	386	306	391	332	371	364	345	213	274	301
<b>Total Members</b>	608	708	678	412	470	539	480	471	584	481	405	436

Province/Country	2016	2017	2018	Section	2016	2017	2018
Alberta	46	37	45	Applied & Environmental Microbiology	228	270	246
British Columbia	36	43	42	Infection and Immunity	222	184	176
Manitoba	32	45	103	Mol. Genetics & Cellular Microbiology	228	254	186
New Brunswick	6	6	5	Unspecified	0	0	0
Newfoundland	13	9	14	<b>Total</b>	<b>678</b>	<b>708</b>	<b>608</b>
Nova Scotia	11	17	14				
Ontario	344	357	197				
PEI	1	2	2				
Quebec	91	86	74				
Saskatchewan	49	46	57				
USA	24	25	26				
Overseas	25	32	31				
<b>Total Members</b>	<b>678</b>	<b>708</b>	<b>608</b>				

**8. Secretary's Treasurer's Report**  
**e) CSM Website Report**

*Not available due to server changes.*

**9. Meetings Secretary's Report – Chris Yost**  
**Will be presented orally at the meeting**

**10. Meetings Conferences and Workshops**  
**a) Report on 2017 Conference –Josh Neufeld & Laura Hug**

**Annual Conference Revenue**

Annual Conference Grants	38,757.42	
Exhibits & Other Commercial Support	20,450.00	
Registration Fees	154,601.79	
Awards Support	7,541.01	
Beveridge Support	1,500.00	
ISME-8 Support	1,916.00	
Roger Knowles PD	500.00	
Other Conference Revenue	0.00	
Miscellaneous Revenue	0.00	
Net Proceeds from the Conference	0.00	
<b>Total Conference Revenue</b>	<b><u>225,266.22</u></b>	

**Annual Conference Expenses**

Awards	4,895.60	
Awards-Student Symposium	2,500.00	
ISME-8 Travel Award	1,416.72	
Awards-Student Poster	1,500.00	
Student Undergrad & Ambassador Award	0.00	
<b>Total Award Expenses</b>		<b>10,312.32</b>
Conference Planner Expenses		28,673.00
Conference Speaker Expenses		9,187.80
Facility, Food, Beverage, Banquet, AV		105,481.59
Conference Postage & Mail Out		629.37
Program Book Production & Printing		4,093.63
Conference Supplies & Other		12,791.22
Conference Website & Alerts Expenses		3,921.50
Conference Credit Card Discount Fees		4,625.22
Board Travel to Conference		259.00
<b>Total Annual Conference Expenses</b>		<b><u>189,120.65</u></b>

**Net profit: \$45,291.57**

Funds Owing to LOC - Profit Sharing 9,146.00

**Lunches, poster sessions, and exhibits** were held in the Physical Activities Complex (PAC) over three days. A total of 18 exhibitors participated with booths, including two artists who shared a booth. Four workshops, running for 30 minutes each, were scheduled both Wednesday and Thursday. No workshops were scheduled on Friday because it was the start of St. Jean Baptiste long weekend in Quebec and we anticipated lower attendance that day. The workshops started an hour into lunch to allow our delegates enough time to have lunch first. Workshops were held in the small gym, which was adjacent and connected to the large gym where the other activities were taking place.

An exhibitor passport was provided to the registrants to encourage visiting the exhibits. Exhibits were held over 3 days and a draw for prizes was held on the last day. Some exhibitors recommended only two days of exhibits in the future.

Poster presentations were staggered, with odd- and even-numbered poster presenters allotted different times to be by their posters to reduce crowding and allow presenters to view other posters on that day. Poster competitions were scheduled for Wednesday only.

### Registrants

A total of 12 countries plus Canada were represented at this conference, with a total of 470 registrants. In addition to the 441 Canadian registrants, we welcomed international microbiologists as follows:

Barbados: 1	Botswana: 1	Brazil: 4	France: 2	Germany: 1	India: 2
Iran: 1	Korea: 1	Pakistan: 2	Saudi Arabia: 1	South Africa: 1	USA: 12

**Abstracts and presentations:** A total of 403 abstracts were presented (302 posters, 19 poster competition), compared to 386 presented at the 2016 CSM University of Toronto Conference. A total of 101 oral presentations were scheduled as follows: 12 student symposia competition, 18 section symposia, 6 in the postdoctoral research symposium, 3 award, and 2 keynote lectures. The twelve concurrent scientific sessions included 12 invited speakers and 48 talks selected from submitted abstracts on Wednesday and Thursday mornings. Several of the selected abstract presenters chose to present a poster as well as their talk. New to the 2017 CSM conference were the unified theme symposia, which made up three of the twelve concurrent sessions.

**Workshops:** Two workshops were held on Tuesday along with an NSERC information session. The workshops were the Undergraduate Education and Professional Development workshops.

**Keynotes, events, and receptions:** We ended our first day with an opening keynote lecture, which was given by Ed Yong, science writer for the Atlantic. His first book "I Contain Multitudes", which looked at the amazing partnerships between animals and microbes, was on the 2016 New York Times bestseller list. We had two bars open from 5:30 pm on Tuesday, to allow the registrants to have a drink and mingle before going into the keynote lecture, then offered food & drinks after the keynote till 9:30 pm. The lecture was very well attended!

A welcome reception was held in Fed Hall on Wednesday June 21st after the first day of regular sessions. A balloon artist was hired to decorate the room with balloon microbes and a giant bacteriophage, and then entertain the participants with balloon "animals" for the evening.



The student mixer was held on Thursday June 22<sup>nd</sup> on campus. Student were encouraged to provide feedback on CSM and the conference on large posters. Games were organized and it was lots of fun!

The Presidential Banquet was held at the Concordia Club (Kitchener; 15 min drive). The banquet celebrated the German heritage of the Waterloo Region (e.g., keg tapping, traditional band, schnitzel). Buses were provided to drive the participants to and from the banquet. Our attendees danced the night away with the DJ music and would not leave to get on the buses. We literally had to turn off the lights and the music to get them out of the hall and onto the buses 😊!

A nominal \$10 reservation fee to attend the banquet, and a \$10 fee for each of the workshops were added to the registration fees in order to minimize absenteeism. The student mixer ticket was lowered from \$25 to \$10 to make it more affordable for students to participate and was subsidized by the \$10 collected as reservation fees for the banquet.

**Inaugural Knowles Postdoctoral Research Prize:** An initiative was started in 2017 by Josh Neufeld, approaching his fellow alumni from the Roger Knowles' lab to provide funds in honour of the late Roger Knowles. Over \$4,300 was collected to secure the Knowles Postdoctoral Research Prize for 8 years. An agenda item was added to the AGM to discuss having a Postdoctoral Symposium as a regular feature in the CSM Annual Conferences similar to the Student Symposium Competition. A motion was taken to that effect. After all the expenses were paid and the CSM 2017 Financial books were audited, it turned out that the conference made over \$45,000 in profit. CSM has a profit sharing policy that splits profit above \$27,000, 50/50 with the Local Organizing Committee. This turned out to be \$9,146. The LOC approached the CSM Executive in the interest of securing the Knowles Prize for additional 10 years. The LOC offered to donate \$2,500 from its share of the profit toward the Knowles Prize deferred revenue if CSM Executive were willing to match the contribution. The CSM Executive were happy to invest \$2,500 in future support to the Postdoc symposium and the associated Knowles Prize. As a result, the Knowles Postdoctoral Research prize is now secured for a total of 17 years! The remaining funds from the Waterloo profit will be used to support Waterloo students attending future CSM conferences.

**Housing:** A combination of residence rooms and very reasonably priced hotels were available to our delegates. We also negotiated discounted shuttle services from Toronto Pearson Airport to various hotels in Waterloo.

**LOC:** The local organizing committee consisted of Josh Neufeld (Co-Chair), Laura Hug (Co-Chair), Barbara Butler, Kesen Ma, Trevor Charles, Kirsten Muller, Andrew Doxey, Lingling Wu, Matt Scott, and Marc Aucoin from University of Waterloo. The LOC also included Gabriel Moreno-Hagelsieb and Robin Slawson from Wilfrid Laurier University. Wafaa Antonious, CSM Secretariat was our Conference Organizer. We would like to thank everyone who was involved in the organization of this conference and volunteered their time to make it a success scientifically, logistically, and financially. A huge thank you to our volunteer coordinators Ashley Ross, Mark Lubberts, and Briallen Lobb for organizing the student mixer and coordinating an army of student volunteers.

## 10. Meetings, Conferences and Workshops

### b) Report on 2018 Conference –Ann Karen Brassinga, Ayush Kumar & Ivan Oresnik

Registration Fees	Fees	Actual	Actual Revenue	
Registration: Regular Member Early	450	97	43,650.00	
Registration: Regular Member Late	550	18	9,900.00	
Registration: Non-member Early	600	15	9,000.00	
Registration: Non-members Late	700	15	10,500.00	
Registration: Student / PD/ Emert/ Members - Early	250	179	44,750.00	
Registration: Student / PD/ Emert/ Members Late	350	9	3,150.00	
Registration: Studen/ PD/ Emert/ non-member - Early	350	15	5,250.00	
Registration: Student / PD/ Emert/ non-members Late	450	2	900.00	
Undergraduate - Early	250	20	5,000.00	
Undergraduate - Late	350	4	1,400.00	
One day registration - Non member	250	2	500.00	
Speakers & complementary registration	0	18	0.00	
Professional Dev. Workshop - Early Fees	10	91	910.00	
Professional Dev. Workshop - Late Fees	20	4	80.00	
FOME - Early fees	10	53	530.00	
FOME - Late fees As of April 15	20	10	200.00	
FOME or Prof Dev. only regist Early Fees	50	0	0.00	
FOME or Prof Dev. only regist Late Fees	60	0	0.00	<b>Total Actual Reg Fees</b> <b>\$135,170.00</b>
Social Event Tickets - Guest - Opening reception	40	4	160.00	
Banquet Tickets - Guest	85	11	935.00	
Banquet Tickets - Reservation fees	10	286	2,860.00	
Student Mixer	15	150	2,250.00	
NML Tour	20	72	1,440.00	
Student Mixer Extra Event		91	4,550.00	<b>Total Actual Social Events</b> <b>\$12,195.00</b>
Exhibitors (booth )	1500	16	24,000.00	
2nd booth / workshop	1000	1	1,000.00	
Total of all registrants		393		<b>Total # of actual paid registrants</b> <b>376</b>

<b>Revenue</b>	
Registration	\$135,720.00
Social Events Tickets	\$12,195.00
Exhibitors (booth & workshops rentals)	\$25,000.00
Sponsorship	\$35,800.00
Miscellaneous Income	
<b>Total Revenues</b>	<b>\$208,715.00</b>

<b>Expenses</b>	
Opening Reception including 1 drink ticket	\$14,000.00
Room Rental	\$5,630.00
Banquet MET: cost per person \$76/person, estimated 300 attending = \$22,800 (15% Grat, 8% PST included) DJ for Banquet \$756 (PST included)	\$24,000.00
Graduate Student Mixer	\$2,500.00
Professional Development (\$800) & FOME Food & Bev (\$900)	\$1,700.00
Meeting Planner Fees based on 400 registrants	\$25,487.00
Conference Support - Stephanie Carter, U MB	\$6,000.00
Round tables and chairs for opening reception cocktail tables, linens	\$1,000.00
Lunch X 3	\$28,000.00
Coffee Breaks X 3 (AM)	\$6,000.00
Coffee Breaks & cash bar X 3 (3 PM breaks) & NSERC / Registration	\$8,700.00
Poster Boards (4 posters per board) 25 @ \$30 80 posters a day and 240 for 3 days. 8' X4' double sided	\$3,000.00
Program book printing & direction signage	\$3,750.00
Exhibitor expenses: tables, chairs, skirted table cloth, skirted, curtained booth for 17 booth and electric	\$4,000.00
Miscellaneous	\$3,000.00
Speaker Travel & Accommodation	\$17,600.00
<b>CSM Business Expenses:</b>	
CSM Executive & Council Meeting room Rental	\$0
CSM Executive Meeting: coffee and muffins, etc.	\$85.00
Council Meeting lunch	\$200.00
Volunteer Appreciation Expense (at the discretion of the LOC to thank their volunteers for assisting) Depending on final financial outcome	\$1,000.00

Transportation to the Forks, extra student event, NML tour	\$3,000.00
Credit Card discount fees	\$4,500.00
Website & Alerts	\$3,500.00
Other Expenses(swags) (425) bags, tumblers, t-shirts for volunteers	\$5,000.00
Conference organizer and assistant travel expenses & CSM Executive dinner	\$3,000.00
Audio Visual rental	\$4,929.00
<b>TOTAL EXPENSES</b>	<b>\$179,581.00</b>
<b>Net Profit based on Actual Revenue &amp; Estimated Expenses</b>	<b>\$29,134.00</b>

**Lunches, poster sessions, exhibits, plenary and awards’ lectures, student and post doctoral symposia** will be held at University Center, Multi Purpose Room (MPR). The exhibits will be held over two days in response to the 2017 exhibitors’ feedback. Poster sessions are scheduled over three days. A total of 16 exhibitors will be participating with 17 booths, Thermo Fisher purchased two booths. FOME, Professional Development workshops and NSERC Presentation sessions are scheduled for Monday, June 18 at the University Center. The program format this year is different as lunch is scheduled for one hour to be followed by the Student or PD Symposia and then two hours for poster sessions, exhibits, coffee break & a cash bar.

An exhibitor passport will be available again this year after its success previous years as it bring more flow to the exhibits. Each exhibitor will be provided with a stamp and attendees will be encouraged to visit the booth and get their passport stamped. Some exhibitors are bringing door prizes and a draw will be made on Wednesday.

Poster presentations: odd and even numbered poster presenters are allotted different times to be by their posters – this will reduce crowding and allow presenters to view other posters from that day. The poster competition is scheduled for Tuesday only.

**International Registrants**

Barbados: 2	Egypt: 1	Germany: 2	Ghana: 1	Ireland: 1	Mexico: 3	Nigeria: 1
Pakistan: 1	Singapore: 1	Saudi Arabia: 2	South Africa: 2	UK: 1	USA: 24	

43 international and 350 from Canada.

**Abstracts and presentations:** A total of 13 countries plus Canada will be represented at this conference. A total of 328 abstracts will be presented (216 posters, 24 poster competition), compared to 403 presented at the 2017 CSM University of Waterloo Conference. A total of 86 oral presentations are scheduled as follows: 12 student symposia competition, 18 section symposia, 6 in the post doctoral research symposium, 3 award and 1 Plenary lectures. The twelve concurrent scientific sessions include 12 Keynote speakers and 34 talks selected from submitted abstracts which will be presented on Tuesday & Wednesday. Few of the selected abstract presenters have chosen to present a poster as well as their talk. New to this year’s conference is a symposium dedicated to: “Indigenous Health and Water Security”.

**Workshops:** Two workshops will be held on Monday along with an NSERC information session. The workshops are the FOME, organized by Tanya Noel and Josie Libertucci and the Professional Development

workshop organized by the CSM Education Committee - Teresa de Kievit, Denice Bay, and Josh Neufeld. A workshop organized by the CSM – CJM Co-Editors Chris Yost and Kari Dunfield “Discussing the future of microbiology research publishing” will be held on Tuesday during lunch, food will be served at the room.

**Keynotes, events, and receptions:** We will end our first day with a Plenary lecture which will be given by Nancy Freitag, University of Chicago. This will be followed with the opening reception, will offer food & drinks till 8:30 pm.

Our departmental graduate students headed by Alex Diamandas have organized a special Student Mixer event on Tuesday evening for which the entire 3rd floor of University Centre will be dedicated ensuring ample space for everyone to mingle and have fun! There will be access to billiards tables, a large lounge, comfy booth seating and a dance floor. The ASM Student Networking organized by CSM PD Representative Stephanie Vogt will be held within the student mixer. A student extra event which involves visits to 4 different locations downtown Winnipeg will follow the student mixer. Transportation will be provided.

Two outings have been organized. 2 tours to the National Microbial and Antimicrobial Resistant Nosocomial Infections Laboratories are scheduled for Monday, June 18. Each tour is limited to 36 participants as security checks had to be done prior to the tour. Transportation will also be provided. These tours were filled within 2 weeks from announcing it. The second outing is scheduled for Wednesday evening to the Forks which is a historical and gathering location. Transportation will be provided.

The Presidential Banquet will be held at the MET 30 min drive from Fort Garry Campus. 300 of our participants will be attending.

A nominal \$10 reservation fee to attend the banquet, and a \$10 fee for each of the FOME and Professional Development workshops were added to the registration fees, in order to minimize absenteeism. The student mixer ticket is \$15 to make it affordable for students to participate and is being subsidized by \$1,000 sponsorships from the University of Manitoba. \$10 is collected as reservation fees for the banquet to minimize absenteeism as well.

**Housing:** A combination of residence rooms and very reasonably-priced hotels were available to our delegates. One of the hotels provide shuttle services to and from Winnipeg Airport.

**LOC:** The local organizing committee consists of Ann Karen Brassinga (Co-Chair), Ayush Kumar (Co-Chair), and Ivan Oresnik (Co-Chair) Alex Diamandas (Student) and Stephanie Carter (Administrative Assistant). Wafaa Antonious, CSM Secretariat is our Conference Organizer. We would like to thank everyone who was involved in the organization of this conference and volunteered their time to make it a success scientifically, logistically, and financially. A huge thank you to our local organizing committee Alex Diamandas and Stephanie Carter. We would like to acknowledge University of Manitoba support and sponsorship of over \$21,000.

Now it is time to enjoy the science and meeting you all!

## 10. Meetings, Conferences and Workshops

### c) Report on 2019 Conference – Vincent Burrus and Louis – Charles Fortier

Planning of the 69<sup>th</sup> Annual Conference of the Canadian Society of Microbiologists (CSM 2019) is underway. The conference will be hosted on the main campus of Université de Sherbrooke from Monday June 10<sup>th</sup> to Thursday June 13<sup>th</sup> 2019. These dates take into account the limited availability of the facilities chosen to host CSM 2019 in Sherbrooke, statutory regional and national holidays, and the proximity of the American Society for Microbiology (ASM) Microbe 2019 conference held in San Francisco (June 20-24, 2019).

The local organizing committee is composed of Louis-Charles Fortier (Département de microbiologie-infectiologie, Faculté de médecine et des sciences de la santé), Pascale B. Beauregard and Vincent Burrus (Département de biologie, Faculté des sciences). Several members of the Département de biologie and of the Département de microbiologie-infectiologie were enthusiastic in helping us to plan the upcoming conference. In addition, we are benefiting from the help of Tony Savard (Agriculture and Agrifood Canada, food microbiology) and Jean-Philippe Bellenger (Département de chimie, chemosphere microbiology) to enrich and diversify the scientific program. We are planning to use the platform and tools provided by Fourwaves for bilingual website design and construction, attendant registration, abstract submission, online billing, data collection, as well as abstract book and nametag creation (<https://www.fourwav.es/>). Mina Zitouni, who has experience organizing annual conferences for a science strategic cluster, will be our local coordinator assisting in the organization of the conference.

CSM 2019 plenary and poster sessions will be held in the University's Cultural Centre facilities, located at the center of the main campus at a short walking distance (5 min walk) from the University's public transportation hub and student housing buildings. Two large rooms (Balcons Bellevue and Orford) will be available for two concurrent symposia, while two additional large rooms (Parterres du Foyer) will be used for poster sessions. Commercial exhibits can be held in the Main Hall of the Cultural Centre (<http://www.centrecultureludes.ca/billet-spectacle/salles/espaces-locatifs.aspx>). Keynote and award lectures, student oral competition and other presentations involving all conference attendees will be held in the Maurice O'Bready Theatre of the Cultural Centre. Café Caus will be contracted to cater coffee breaks, lunch and receptions. We are considering several possibilities for the banquet, including the Atrium of the Faculté des sciences, the OMG burger (a local restaurant located in a re-purposed church) or the Théâtre Granada (<https://theatregranada.com/services/>). An optional social event is being planned on the evening of June 12<sup>th</sup> at Foresta Lumina in the Parc de la Gorge de Coaticook (<http://forestalumina.com/>). Bus transportation will be provided to and from the event upon registration of the attendees. The graduate student mixer will be planned by the departmental graduate student association (RECSUS).

Three main themes were identified within the scientific program: One Health, Applied and Environmental Microbiology, and Systems and Synthetic Biology. The topics include (but are not limited to) antibiotics and resistance in animal production and public health, alternatives to antibiotics, impact of climate change on vector-borne diseases and emerging pathogens, animal and environmental microbiomes, microbial interactions and molecular pathogenesis, industrial microbes and biotechnology, plants and microbes, food microbiology and microbial chemosphere. We have already confirmed Dr Rodolphe Barangou (North Carolina State University, CRISPR-Cas technology) as the keynote speaker.

Rooms have already been secured at nearby hotels including the OTL Gouverneur (50 rooms), Le President (50 rooms) and Grand Times (65 rooms, including for our invited speakers). Complimentary bus service throughout the city will be provided to all registered attendees by the Société de transport de Sherbrooke (STS) as part of our partnership with *Destination Sherbrooke*. This free service will be available upon presentation of attendee nametags and for the duration of the conference. Student residence rooms will be available on the main campus at a walking distance from the Cultural Centre (7-10 min walk, 100 rooms blocked). We are planning to organize optional shuttle services from and to Montreal Trudeau Airport (YUL) to early-bird registrants (120\$ to 150\$ round-trip per person) and invited speakers through Aéronavette.

CSM 2019 will be sponsored by *Destination Sherbrooke* (<http://www.destinationsherbrooke.com/en/visitors>). Additional sponsorships will be pursued from various companies and organizations including but not limited to Fisher Scientific, Life Technologies, VWR, New England Biolabs, Aldrich, Cedarlane, PremierTech, CIHR, ISME, Université de Sherbrooke, Faculties and Departments.

A detailed projected budget will be provided to the executive by Fall 2018.

## 10. Meetings, Conferences and Workshops

### d) Future Conferences – Takuji Tanaka

I work on to find the future hosts of annual meetings. To accommodate the gathering of many microbiologists from all over Canada and to secure the financial situation of the society, I look at potential hosts at a convenient city for travel with rich microbiological industrial background. Since the numbers of microbiologists and microbiology institutes are higher in Ontario-Québec than other areas, the meetings will be held in these areas more often than other areas.

From this year to 2021, the meetings will be held in Winnipeg, Sherbrooke, Guelph, then Halifax. This sequence have my attention to Ontario and Quebec again for 2022. Western University hosted the meeting in 2006 and now it seemed good timing to ask them again. Dr. Martin McGavin ([mmcgavin@uwo.ca](mailto:mmcgavin@uwo.ca)) agreed to take the lead hosting the 2022 meeting at Western University in London.

Accordingly the sites for the Annual General Meeting for the Canadian Society of Microbiologists have been set through to 2022. Towards the next year, I will start to search the host for 2023. Ideally it will be somewhere in the Ontario-Québec corridor.

**2019** – Université de Sherbrooke, Sherbrooke, Québec, contact parson, Dr. Vincent Burrus ([vincent.burrus@usherbrooke.ca](mailto:vincent.burrus@usherbrooke.ca))

**2020** – University of Guelph, Guelph, Ontario, contact parson, Dr. Cezar Khursigara ([ckhursig@uoguelph.ca](mailto:ckhursig@uoguelph.ca))

**2021** – Dalhousie University, Halifax, Nova Scotia, contact parson, Dr. Nikhil Thomas ([n.thomas@dal.ca](mailto:n.thomas@dal.ca))

**2022** – Western University, London, Ontario, contact parson, Dr. Martin McGavin ([mmcgavin@uwo.ca](mailto:mmcgavin@uwo.ca))

## **11. Post Doctoral Representative Report – Stefanie Vogt**

It has been an honour to be the first Postdoctoral Representative on the CSM Executive. I am very pleased to see a high level of interest in CSM from postdocs – with 57 active postdoc members (as of April 2018), many abstracts submitted by postdocs for the annual conference, and strong candidates to serve as next year's Postdoctoral Representative. This level of engagement among early career scientists bodes well for the future of CSM! One of the key developments concerning postdocs this year was the formalization of terms of reference for the Knowles Postdoctoral Research Prize. This prize was established in 2017 and funded by alumni of Professor Roger Knowles' lab. The terms of reference ensure that the Postdoctoral Research Symposium will be an ongoing feature of the CSM annual conference, with a \$500 prize awarded for the best oral presentation. Full terms of reference are available on the CSM website. Other activities that I've been involved with this year as the Postdoctoral Representative include:

- working with the Graduate Student Representative (Rhiannon Wallace) to keep the CSM Facebook and Twitter pages updated with news related to the annual conference, job postings, and funding opportunities
- helping to organize the ASM/CSM student networking event at the 2018 annual conference in Winnipeg

It has been a pleasure working with the CSM Executive over the past year, and I look forward to meeting many of my fellow postdocs at the annual conference in June!

## **12. Graduate Student Representative – Rhiannon Wallace**

The main focus of my role as Graduate Student Representative over the past year has been to promote the society through social media. The Facebook page has served primarily as an avenue to promote the society to new members, advertise jobs, and the annual conference. By posting content on a regular basis to the Facebook page we have gone from 270 likes in June 2017 to 570 likes in May 2018. A selection of photos from last year's annual conference in Waterloo, ON have been posted on the CSM Facebook page. In order to enhance the presence of the CSM on social media, Stephanie Jones, McMaster CSM Student Representative managed the CSM Twitter account. Stephanie will also be managing both the Facebook and Twitter accounts during the annual conference this year as I am unable to attend. Thank you Stephanie!

If you have not already please follow us on twitter: @CSM\_SCM  
And like our Facebook page: Canadian Society of Microbiologists

Do you have a new publication? Let us know we would love to share it on our social media pages! Or do you have a suggestion on content to post on our page? Contact use directly on social media. We are always looking for ways to enhance our presence on Social media. Lastly, in order to keep the representative list updated it will be helpful for current CSM Student Representatives to notify the current Graduate Student Representative when they are near completion of their studies, so a replacement can be found. Additionally, there are still many vacancies for CSM Student Representatives at various universities. CSM Faculty Representatives- Please consider nominating a student(s) for the representative position at their institution if there is a vacancy. After two years of serving as the Graduate Student Representative for the society, I will be stepping down. I wish the new graduate Student Representative the best of luck! I hope to continue to be involved in CSM initiatives



and I am happy to help the new Student Representative transition into their new role and assist with the social media pages if needed.

### 13. New Members of the Executive & Council



Ayush Kumar is an Associate Professor in the Department of Microbiology, University of Manitoba. Ayush received his Masters degree in Microbiology from Awadh University in India and his PhD in Microbiology from the University of Manitoba. He did his post-doctoral work at Colorado State University. Ayush's laboratory studies the mechanisms of multidrug resistance and virulence in *Acinetobacter baumannii* and *Pseudomonas aeruginosa*. His group is also studying the microbiological quality of drinking water from First Nation communities in Manitoba. Ayush has served the CSM as Secretary-Treasurer and also as the member of the Local Organizing Committee for the 68<sup>th</sup> Annual Conference.



Stephanie Jones completed her B.Sc. in Biology at Syracuse University in 2012, and is currently finishing her Ph.D. in the lab of Dr. Marie Elliot at McMaster University. Her research focuses on understanding the growth and development of *Streptomyces* bacteria, known for their antibiotic production capabilities and their complex life cycle. She discovered a novel form of *Streptomyces* development termed exploration, and has been working to characterize the genetic and biochemical factors underlying this form of development. Steph has found exploration involves the cooperation of two cellular growth mechanisms, and alters microbial community dynamics through various competition and communication strategies. Her work in the Elliot Lab has been supported by an NSERC Vanier scholarship. Steph will be starting a postdoc at the Massachusetts Institute for Technology in the lab of Dr. Mike Laub in September 2018, where she will be studying the evolution of chromosome dynamics and toxin-antitoxin systems in bacteria.



Olivia Ihedioha is a PhD student at Western College of Veterinary Medicine (WCVM), Vaccine and Infectious Disease Organization-International Vaccine Centre (VIDO-InterVac), University of Saskatchewan. She is working with tuberculosis (TB) research team at VIDO-InterVac led by Drs. Andrew Potter and Jeffrey Chen. Research interest focused on understanding the pathogenesis of bovine tuberculosis and vaccine development. Bovine tuberculosis caused *M. bovis* results in major financial losses to the cattle industry and also poses a serious health risk to people in many countries. Vaccines are invaluable medicines that help prevent infections. Despite the urgent need, there is no licensed vaccine available to prevent bovine tuberculosis. To develop an effective vaccine, an understanding of the pathogenesis of bovine tuberculosis is important and specifically, how certain biomolecular products released by *M. bovis* interact with the host immune system. Ongoing research by our team focused on assessing the immunogenicity of three different classes of *M. bovis* biomolecular signatures - proteins, cell wall lipids and cell surface sugars on bovine dendritic cells, which are immune cells key to controlling TB.

In the long-term, these studies will contribute to our understanding of bovine TB pathogenesis and may benefit efforts to develop effective vaccine for this devastating disease.

Website: <http://www.vido.org>.

#### **14. Reports from the Section**

##### **a) Applied and Environmental Microbiology (AEM) - Steven Short, Chair & Laura Hug, Vice-C**

The Applied and Environmental Microbiology section received 80 abstracts for the 68<sup>th</sup> Annual CSM Conference in Winnipeg; all 80 abstracts were reviewed and accepted. Six of the submitted abstracts, with 2 alternates, were selected for inclusion in the AEM Section Symposium. The Education and Career Development Committee chose 12 extended abstracts submitted for the Student Symposium. The remaining 12 AEM extended abstracts were reviewed and 8 were selected for the poster competition. Finally, 2 AEM abstracts from a pool of 9 were selected to participate in the Postdoctoral Research Symposia.

#### **14. Reports from the Section**

##### **b) Infections and Immunity (II) – Sebastien Faucher, Chair & Georgina Cox, Vice Chair**

This year was particularly challenging for the Infection and Immunity section. The Chair, Hervé Le Moual passed away on March 3, 2018. Hervé was a passionate scientist, a great teacher and an excellent mentor. Sebastien Faucher became chair and Georgina Cox was recruited to serve as vice-chair. The Infection and Immunity section received close to 100 abstract for the CSM 2018 Winnipeg Conference. After review, all abstracts were accepted. Of those, 6 were selected for the section symposium. This selection was challenging due to the high quality of the abstract. For the Postdoctoral Symposium, two abstracts were selected out of ten received. Eleven extended abstracts were submitted for the Student Poster Competition. All were accepted and 8 were recommended for the competition.

#### **14. Reports from the Section**

##### **c) Molecular Genetics and Cellular Microbiology (MGCM) – Shawn MacLellan Chair & Tracy Rivio, Vice-Chair**

Fifty-six general poster abstracts were received in the MGCM section. 55 were approved and 1 was rejected on the grounds that the content was outside the scope of CSM. Including the extended abstract posters, a total of 69 posters will be presented by this section at the 68<sup>th</sup> CSM Annual Conference. From 13 Extended Abstracts, we selected 8 for inclusion in the poster competition and 5 were changed to poster. Two MGCM abstracts were presented to us for the postdoctoral oral symposium and we approved both for inclusion in that forum. Six speakers were chosen for the MGCM section symposium representing a mixture of PIs, PDFs, and graduate students.

## 15. Reports from Committees

### a) Education and Career Committee –Co-Chairs: Drs. Josh Neufeld, Teresa (Teri) de Kievit & Denice Bay

**Members:** Naowarat (Ann) Cheeptham, Dawn Bignell, Joseph Lemire

#### ORAL SYMPOSIUM

For the **2018 oral symposium competition**, there were 28 entries received (compared to 31 for 2017 in Waterloo, 48 for 2016 in Toronto, 16 for 2015 in Regina, 34 for 2014 in Montreal, and 22 for CSM 2013 in Ottawa). These extended abstracts included 5 for AEM, 15 for II, and 8 for MGCM. The 4 best abstracts from each category were selected by Ann Cheeptham (AEM), Josh Neufeld (AEM), Dawn Bignell (MGCM), Denice Bay (II), Joseph Lemire (II), and Teri de Kievit (MGCM). Josh Neufeld declared a conflict of interest, with his student submitting an AEM extended abstract, thus Ann's grading alone was used for this student abstract. The Education Committee transferred all extended abstracts that were not selected for the oral symposium to the poster competition abstract pool.

The **judges** for the symposium will be CSM members (faculty) selected from the conference registrant list. We are grateful for the willingness of these individuals to contribute to the process. Four awards sponsored by Canadian Science Publishing (CSP), Canadian College of Microbiology (CCM), Cedarlane, and ISME-8 will be handed out to the top four oral presentations.

#### POSTER COMPETITION

For the **2018 poster competition**, there were 35 entries received, which includes the extended abstracts that were not selected for the oral symposium. This number is similar to several previous years (27 entries for 2017 Waterloo, 96 entries for 2016 Toronto, 35 entries for 2015 Regina, 19 entries for CSM/IUMS 2014 Montreal, 72 entries for CSM 2013 Ottawa, and 44 entries for CSM 2012 Vancouver). In terms of distribution, 11 abstracts were submitted to A&E, 11 to I&I, and 13 to MGCM.

We would like to thank the chairs and vice-chairs of each of the sections that carried out all the judging in a timely and efficient manner. In addition to the six section judges, three judges will be assigned to judge the poster competition during the Annual Conference. The judges for the poster competition will be CSM members (faculty) selected from the registrant list. In the memory of Terry Beveridge, three poster prizes in the amount of \$500 will be handed out for each section: II, MGCM, and AEM. An ASM award comprising an ASM student membership and a book or journal will be handed out for best poster layout.

#### CSM UNDERGRADUATE AWARD COMPETITION

For the **CSM Undergraduate Award competition**, 7 nominations were received this year and 6 were selected/awarded to:

1. Haley Reynolds (University of Alberta)
2. Sarah Al-Ajeel (University of Waterloo)
3. Christine Pham (McMaster University)
4. Kaleigh Ducas-Mowchun (University of Manitoba)
5. Julie Chen (University of Toronto)
6. Rachel Morin Pelchat (Université Laval)

For the **CSM Graduate Ambassador award**, 3 applications were received. The two individuals selected were:

1. Jackson Tsuji (PhD student; University of Waterloo)
2. Marie Laurence Lemay (PhD student; Université Laval)

### **ISME-8 TRAVEL AWARDS**

For the **ISME-8 travel awards**, we adhered to the terms of reference (TOR) that required students submit a 1-page description of their research goals and future plans, along with their abstract submission. From the 12 applicants, the committee co-chairs ranked all and, because the two CSM Graduate Ambassador award recipients were suitable to receive 2 awards this year, the top 3 ranked ISME-8 applicants were selected as per the TOR (total of 5).

Next year, we propose to add a sentence to the website that clarifies the research project/future goals submission, which for some applicants just looked like a second abstract. Because the intent is that this 1-page description be a personal reflection, we will add a short description to clarify that we would like for the student to describe the experiences they are gaining as a graduate student thus far and how these experiences will equip them for their future careers.

### **CSM KNOWLES POSTDOCTORAL SYMPOSIUM**

After ad hoc organization by the LOC last year, a new role in 2018 for the Education and Careers committee was to coordinate the postdoctoral symposium. Each year, 6 postdoc abstracts are selected for oral presentations in this symposium. For symposium consideration, AEM received 9 abstracts, II received 10 abstracts, and MGCM received 2 abstracts. Each committee selected their top 2 abstracts for inclusion in the symposium; MGCM approved both of their abstracts.

We are grateful for the willingness of Georgina Cox (II Vice-Chair), Laura Hug (AEM Vice Chair), and Shawn MacLellan (MGCM Chair) to serve as judges for the symposium in order to select this year's recipient of the CSM Knowles Postdoctoral Research Prize.

### **THIRD ANNUAL CAREER DEVELOPMENT WORKSHOP**

A career development workshop will be held the morning of June 18<sup>th</sup>, divided into 2 sessions (90 minutes each):

1. Redefining Networking: Networking for People Who Don't Want to Network (or How to Get Out of the Lab and Talk to People)

Christine Kampen-Robinson (PhD): Professional Career Development Specialist, University of Manitoba.

2. Panel discussion featuring the following participants:

- i) Lori Reimer (MSc): Business Manager, The Climate Corporation
- ii) Brett Dalman (BSc): Territory Manager, Thermo Fisher Scientific
- iii) Nancy Freitag (PhD): Professor of Microbiology and Immunology, Associate Director of the Medical Scientist Training Program, and Assistant Dean of M.D./Ph.D. Education at the University of Illinois at Chicago College of Medicine.
- iv) Patrick Chong (PhD): Biologist, National Microbiology Laboratory, Winnipeg MB
- v) Chand Mangat (PhD): Postdoctoral Fellow, National Microbiology Laboratory, Winnipeg MB

## **COMMITTEE MEMBERSHIP**

Josh Neufeld, Denice Bay & Teri de Kievit will remain as Co-Chairs. Education committee members Ann and Dawn will be contacted to confirm that they are willing to remain on the committee. With thanks to Joseph Lemire for his committee contributions, we are now in need of a replacement postdoctoral fellow to serve as committee member. We will coordinate with the CSM postdoc rep to recruit an additional member.

## **15. Reports from Committees**

### **b) FOME Report – Tanya Noel & Josie Libertucci**

This is the fourth consecutive year that CSM FOME has been offered as a preconference workshop prior to the annual CSM meeting. Once again, we thank Wafaa for all her hard work and help. We also appreciate the continued support from the CSM executive (past and present). A sincere thank you goes to the CSM 2018 conference organizers, Ivan Oresnik, Karen Brassinga, and Ayush Kumar. We would like to particularly thank Karen for helping us with all the logistical planning for CSM FOME this year. Based on participant feedback from last year, we have restructured the workshop slightly. The first half of the workshop will be a hands-on session, providing practical information and an opportunity for attendees to work on their own course (or prepare for a course that they might teach in the future). The second half of the workshop will include short (10-15 minutes) “MicroFOME” sessions selected from submitted abstracts. These sessions will allow presenters to share strategies for engaging students in book discussions, engaging students in exploring microbial diversity, and best practices in online courses. We will be requesting feedback from this year’s workshop participants regarding the updated workshop format.

As of April 12, 2018, we had 54 identified participants for this year’s CSM FOME workshop. We, along with the professional development workshop, have continued with charging participants a small fee. As of April 12, 2018, the workshop has generated \$567.00 (54 x \$10.50). The breakdown of the participants as of that date are as follows: 3 undergraduates, 5 non member graduates/PDFs, 24 member graduates/PDFs, 3 non members, 1 invited speaker, and 18 full members. This year the workshop has reduced its costs dramatically by not having an invited speaker (savings of ~\$1500.00). In the coming months, we will work with a group of interested CSM members to identify a sustainability plan for CSM FOME.

## **15. Reports from Committees**

### **c) Awards Report**

#### **CSM Murray Award for Career Achievement – Janet Wood**

##### **CSM Murray Award Committee Report**

The Murray Award for Career Achievement recognizes an outstanding Canadian microbiologist. According to the criteria: “Any Canadian citizen or resident of Canada who has done outstanding scientific work in microbiology and who has an active CSM/SCM membership or had a membership prior to retirement shall be eligible for the Award. The award may be based upon an accumulation of accomplishments or a single outstanding contribution”.

The 2018 Murray award committee comprising Drs. Sylvain Moineau, Bill Mohn and Janet Wood (Chair) met via teleconference on May 14, 2018 to select this year’s recipient. There were 5 excellent nominees and Dr. Gregor Reid was selected, unanimously, as this year’s Murray Award recipient. Dr. Reid is a Professor in the Departments of Surgery (Urology) and of Microbiology and Immunology at the University of Western Ontario where he holds the Chair in Human Microbiome

and Probiotics, and is Assistant Director, International, of the Lawson Health Research Institute. Dr. Reid is recognized as a Canadian pioneer in the area of probiotics, beneficial microbes, and the microbiome. Importantly, his research has led directly to significant clinical translational and commercial applications.

#### **Fisher Scientific Award – Chris Yost**

The Award Review Committee for the Thermo Fisher Award is comprised of three members of the CSM Council (Past-President, Meetings Secretary, Education Committee Chairperson) and two Editors of the Canadian Journal of Microbiology. This year, we had a limited number of nominations for this award, and we would like to see the nominations in this category increase in the following years because it is important to promote the Junior Faculty members within the society. However, having said that, the nominees were all highly deserving candidates and it was difficult for the committee to make a selection. In the end, the committee voted to give the 2018 Thermo Fisher Award to Dr. Andrew Doxey at the University of Waterloo. The selection committee would like to congratulate Andrew for his remarkable achievements so early in his academic career!

#### **Armand-Frappier Outstanding Student Award – Lori Burrows**

The Armand Frappier Award committee (consisting of Dr. Lori Burrows as Chair, Dr. Joe Harrison, and Dr. Kapil Tahlan) received only a single nomination this year, for Stephanie Jones from the Elliot lab in the Dept. of Biology, McMaster University. The committee's choices were to accept this nominee as highly meritorious, or to not make an award in 2018. Dr. Burrows recused herself from voting due to conflict (same institution) but both of the other reviewers considered Steph's application package to be very strong and recommended that she receive the award. We look forward to her presentation at the AGM. Please note that Dr. Harrison will take over as Chair of this award committee for 2019, and Dr. Tahlan as Chair in 2020.

## **16. Reports from Representatives to outside organizations**

### **a) Canadian Journal of Microbiology, 2017-2018 - Chris Yost and Kari Dunfield, Co-Editors in Chief**

#### **Canadian Journal of Microbiology**

2018 Editorial Board Report

Prepared by

Tamer A. Elbokl, PhD, Managing Editor

June 01, 2018

Editorial Office

#### **Editors-In-Chief:**

**Dr. Kari E. Dunfield — University of Guelph, Guelph, Ontario, Canada**

**Dr. Christopher K. Yost — University of Regina, Regina, Saskatchewan, Canada**

For a current listing of all Associate Editors, see Appendix A.

Canadian Science Publishing Staff

#### **Judy Busnarda, Director, Publishing Operations**

613-656-9846 ext. 264 | [judy.busnarda@cdnsiencepub.com](mailto:judy.busnarda@cdnsiencepub.com)

**Tamer A. Elbokl, PhD, Managing Editor**  
613-656-9846 ext. 263 | [tamer.elbokl@cdnsiencepub.com](mailto:tamer.elbokl@cdnsiencepub.com)

**Jacqueline Costigan, Scientific Publishing Editor**  
[Jacqueline.Costigan@cdnsiencepub.com](mailto:Jacqueline.Costigan@cdnsiencepub.com)

**Brenda Tryhuba, Editorial Assistant**  
[cjm@cdnsiencepub.com](mailto:cjm@cdnsiencepub.com)

Canadian Science Publishing News

Here are some of the initiatives that Canadian Science Publishing (CSP) is working on.

### **Strategic Plan**

CSP has just launched its new Strategic Plan, Empowered by Science, 2018-2022. The Plan includes updated information about our organization; the competitive and strategic landscape of scholarly publishing, including both challenges and opportunities; and organizational goals and objectives designed to lead us into the future as Canada's independent, not-for-profit leader in mobilizing science-based knowledge.

### **Highlights from the Plan**

Our Vision: A world where everyone is empowered with scientific knowledge

Our Mission: We are champions of scientific knowledge exchange, committed to strengthening the integrity, relevance, and reach of science. We ensure that scientific knowledge is easy to discover, use, and share.

Our Goals

- Protect and instill trust in scholarly research
- Support research through widely distributed, high-quality, influential, and technologically advanced publications and related services
- Strengthen CSP's agility, resiliency, and resources to face an evolving landscape
- Be an employer of choice for high-calibre people who share the values of CSP, its stakeholders, and partners
- Enhance CSP's reputation as a recognized leader in scholarly communication

### **Branding Shift**

Since privatizing from the National Research Council in 2010, CSP has been supporting two brands: NRC Research Press and Canadian Science Publishing. We are now moving forward with just the CSP brand.

While the NRC Research Press will always be a very important part of our history, this shift will allow CSP to place a stronger emphasis on journal brands, correct confusion about who we are as a company, and better communicate our company values. Over the next year or so, you'll note much of our content, visuals, and materials are being rebranded to reflect this shift. This brand shift in no way impacts the quality, editorial vision and approach, or content of the journals.

## **New Cover Design**

As part of the branding shift, a new cover design for the CSP journals was launched with the first issues of 2018. The new design incorporates a crisp, clean look with an eye-catching image and highlights the new CSP branding.

## **Website Redevelopment Project**

The current journal website is 7 years old. Thus, we are starting work on a complete overhaul of the website. In addition to creating a completely new design for the website, we will be looking at how to best present the content and features to make them easier to find and use. We will also be placing a bigger focus on the individual journals, with each journal having an enhanced home page that will act like a mini journal site. We expect to launch the new journals' website in 2019.

## **Geomatica**

Canadian Science Publishing acquired *Geomatica* from the Canadian Institute for Geomatics in February 2018. *Geomatica* is a quarterly international journal dedicated to the dissemination of information on technical advances in the geomatics sciences. The Editor is Mir Abolfazl Mostafavi, who is a Professor in the Département des sciences géomatiques at Laval University. The first issue of 2018 will be published in the spring. More information on the journal can be found at the journal's temporary website at [pubs.cig-acsg.ca/journal/cig](http://pubs.cig-acsg.ca/journal/cig).

## **Transactions of the Canadian Society for Mechanical Engineering**

Canadian Science Publishing acquired *Transactions of the Canadian Society for Mechanical Engineering* in July 2017. As the official technical journal of the Canadian Society for Mechanical Engineering, this quarterly journal publishes research articles and notes on the broad field of mechanical engineering. CSP began accepting submissions to the journal in July 2017 and published its first issue on April 5, 2018. The journal is led by Editor-In-Chief, Dr. Marius Paraschivoiu, who is Professor in the Department of Mechanical, Industrial and Aerospace Engineering at Concordia University and serves as the Aerospace Program Director at the Concordia Institute of Aerospace Design & Innovation. More information on the journal can be found at [www.nrcresearchpress.com/journal/tcsme](http://www.nrcresearchpress.com/journal/tcsme).

## **Anthropocene Coasts**

Canadian Science Publishing and East China Normal University have partnered to develop a new international open access peer-reviewed journal entitled *Anthropocene Coasts*. The journal explores multidisciplinary research on the rapidly changing nature of human influence on coastal areas and climate change, topics of great importance for Canada, China and other coastal regions. It opened for submissions in March 2017 and published its first article in January 2018. The journal is led by founding Co-Editor, Dr. Shu Gao, Director of the State Key Laboratory for Estuarine and Coastal Research at East China Normal University, and Ian Townend, Visiting Professor, Ocean and Earth Science, and Engineering and the Environment, at the University of Southampton. More information on the journal can be found at [www.nrcresearchpress.com/journal/anc](http://www.nrcresearchpress.com/journal/anc).



## **FACETS**

*FACETS*, Canada's first open access multidisciplinary and interdisciplinary science journal, has published over 90 papers since 2016. Jules Blais (University of Ottawa) continues as the Editor-in-Chief and he has a growing editorial board of more than 80 Subject Editors. *FACETS* currently focuses on six research areas: Biological and Life Sciences; Biomedical and Health Sciences; Earth and Environmental Sciences; Engineering, Technology, and Mathematics; Integrative Sciences; and Physical Sciences. *FACETS* will be launching a new Data Science section this year with Paul McNicholas (McMaster University) as the Section Editor. *FACETS* has been endorsed as the official journal of the Royal Society of Canada's Academy of Science. See [www.facetsjournal.com](http://www.facetsjournal.com) for more information.

## **Altmetrics**

CSP has partnered with Altmetrics ([www.altmetric.com](http://www.altmetric.com)) to display information on where articles published in our journals are being mentioned. Altmetrics gathers information from across the Web including newspapers, blogs, and social media and uses this information to calculate a score that measures the digital impact and reach of an article. Altmetric data and scores are now appearing on our article pages. In 2017 (January 1, 2017 to December 31, 2017), 153 CJM articles had Altmetric scores. Over the past year, CJM articles have been tweeted 128 times and posted on Facebook 9 times.

## **Toolkit for Editors and their Boards**

CSP has many tools available to help you with your journal work. A summary of these follow:

**Reviewer Locator:** Reviewer Locator, a service within ScholarOne, uses Web of Science data to provide up to 30 potential reviewers who have been active in the last 5 years. It provides the researcher's name, email, institute, ORCID link, and up to 3 relevant publications.

**iThenticate:** iThenticate, a well-known plagiarism detection and prevention technology, compares manuscripts against its database, which includes more than 20 billion web pages and more than 116 million content items. You are encouraged to use this tool. If you have any questions, contact your Editorial Assistant or Melanie Slavitch at [melanie.slavitch@cdnsiencepub.com](mailto:melanie.slavitch@cdnsiencepub.com).

**Editors' Choice:** Editors are encouraged to highlight a paper from a recent issue as an Editor's Choice selection, which appear at the top of the journal home page. These papers will be freely available while the paper is highlighted on the home page.

These articles are promoted on social media: Facebook, Twitter, as well the CSP Monthly Digest and the news section of the *CJM* website.

Two Editor's Choice papers were selected for CJM in 2017.

## **Press Releases/Announcements**

There was one press release issued for CJM in 2017 for the article *cjm-2016-0448 "Aerobic anoxygenic phototrophs in gold mine tailings in Nopiming Provincial Park, Manitoba, Canada."* Unfortunately the article was not picked up by news outlets.

**Please note that CSP will no longer issue press releases. In lieu of press releases, the Communications Team will consider papers identified for special promotion during the peer-review process for distribution to the Science Media Centre of Canada.**

**Promoting Noteworthy Papers:** For papers that have been identified as being of interest to the general public, CSP's Communications Team will evaluate the paper and recommend an appropriate type of promotion (i.e., distribute the article to the media via the Science Media Centre of Canada, contract a science writer to write blog post ([www.cdnsiencepub.com/blog/](http://www.cdnsiencepub.com/blog/)) about the article, social media promotion on CSP and/or journal accounts, promotion of the article in CSP and/or journal-specific newsletters). These papers are made freely available on the Web so that everyone is able to access and read the full article. If you notice any articles that are deserving of additional promotional content, please highlight the article using the flags or prompts in Scholar One or communicate with your Editorial Assistant.

**Free Article Quota:** Each journal has an annual quota (approximately one per issue) of papers that can be made freely available, at the Editor's discretion, with no charge to the author. Note that if the Editor requests a press release for a paper, the paper is made freely available and counts towards annual free article quota.

To assist the Editor in selecting papers for Editor's Choice, free article quota, or promotional activities, board members should highlight appropriate papers using the flags or prompts set up in ScholarOne

**Color Quota:** Each journal has an annual quota (5 for this journal) of figures that can be printed in colour, at the Editor's discretion, at no charge to the author. There is no charge to publish figures in colour on the Web.

### New cover image for 2018 volume



Mixed species colony comprised of fluorescently tagged *Pseudomonas aeruginosa* PA01 (eYFP, yellow), *P. protegens* Pf-5 (eCFP, blue), and *Klebsiella pneumoniae* KP-1 (dsRed, red). After 48h of growth at room temperature, the image was captured on an Axio Z1 observer, made up of 25 fields of view stitched together. Background was manually removed and contrast of each channel tuned for esthetics. Colony is approximately 3mm in diameter. Strains described in Lee et al. (2014) *The ISME Journal*. (Image credit: Sean Booth).

Journal Statistics

Impact factor and other metrics

				Rank in category	
Metric	Description	Year	Value	Biotechnology Applied Microbiology	Microbiology
2-year impact factor	Average no. of times articles from the journal published in the past 2 years have been cited in the JCR year	2016	1.462	112/158	98/124
		2015	1.335	122/161	102/123
		2014	1.221	121/162	100/119
		2013	1.182	125/165	96/119
		2012	1.199	118/160	94/116
5-year impact factor <sup>1</sup>	Average no. of times articles from the journal published in the past 5 years have been cited in the JCR year	2016	1.400	120/158	102/122
Total cites <sup>1</sup>	Total number of citations to the journal in a year (citations to papers published in any year)	2016	5965	21/158	44/124
Immediacy index <sup>1</sup>	Average no. of times an article is cited in the year it's published (indicates how quickly articles in a journal are cited)	2016	0.174	135/157	106/123
Cited half-life <sup>1</sup>	Median age of journal items cited in 2016 (i.e., half of the citations are to items published within the cited half-life)	2016	>10	N/A	N/A
Eigenfactor <sup>1</sup>	Estimate of % of time library users spend with the journal (algorithm based on no. of times articles published in the journal in the past 5 years were cited in 2016, but also which journals contributed these citations – highly cited journals influence network more than less cited journals)	2016	0.00334	91/158	75/124
Article Influence Score <sup>1</sup>	Measure of avg influence of each article in the journal over the first 5 years after publication (roughly analogous to 5-year IF). Mean score is 1.00; >1.00 indicates that each article has above-average influence, <1.00 indicates that each article has below-average influence	2016	0.379	111/158	101/122
SJR Indicator <sup>2</sup>	Measure of journal's impact, influence, or prestige; expresses average no. of weighted citations in 2016 to articles published in journal in previous 3 years (citations from more prestigious journals are given more weight)	2016	0.54	Microbiology: 89/136 Molecular Biology: 291/374 Genetics: 227/313 Appl. Microb. & Biotechnology: 46/105 Immunology: 137/200	

h-index <sup>3</sup>	A journal with an h-index of 48 has published 48 papers that have each been cited at least 48 times	<b>2016</b>	21	This ranking puts CJM outside the top 20 ranking in the Microbiology category
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<sup>1</sup> Web of Science Journal Citation Reports (based on 2016 data). <sup>2</sup> SciMAGO journal rankings. <sup>3</sup> Google Scholar metrics.  
Average Time to First Editorial Decision

Year	No. of papers for which a decision has been made	Average time to first decision (days)
2012	744	22.2
2013	861	17.6
2014	812	18.9
2015	752	19.5
2016	802	18.4
2017	794	14.6

#### Rejection Rates 2014-2016

NUMBER OF MANUSCRIPTS ACCEPTED AND SENT TO CSP			NUMBER OF REJECTED/WITHDRAWN MANUSCRIPTS (RWR: REJECTED WITHOUT REVIEW)									RWR RATE %			REJECTION RATES (INCLUDING RWR) %			TOTAL REJECTION/WITHDRAWN RATES %					
2014	2015	2016	2014			2015			2016			2014	2015	2016	2014	2015	2016	2014	2015	2016			
			RW	RE	W	RW	RE	W	RW	RE	W												
			R	J	D	R	J	D	R	J	D												
120	121	118	530	68	7	0	549	68	8	0	562	69	1	0	65.	67.	69.	85.	85.	85.	85.	85.	85.
															7	9	5	1	0	4	1	0	4

#### Published Pages and Page Allotments (2013-2018)

2013			2014		2015		2016		2017		2018
Allotment	Adj. Allotment*	Published	Allotment	Published	Allotment	Published	Allotment	Published	Allotment	Published	Allotment
1400	1092	844	1000	868	1000	996	1000	1068	1000	1024	1000

Note: Published pages = numbered pages in journal; this does not include ads, editorials etc.

\*In 2013, we introduced a new space-saving layout template, which saves on number of pages. The allotments in 2013 were adjusted accordingly.

Manuscripts Accepted by Country (sorted by number of accepted manuscripts)

Information based on all manuscripts with a decision date of Between Jan 1, 2016 and Dec 31, 2016.				
Country	Accept	Reject	Total	Accept Ratio
Canada	33	17	50	66.00%
China	32	208	240	13.33%
Brazil	5	20	25	20.00%
India	5	117	122	4.10%
United States	5	19	24	20.83%
Turkey	4	26	30	13.33%
Italy	3	4	7	42.86%
Australia	2	3	5	40.00%
Czech Republic	2	5	7	28.57%
Mexico	2	20	22	9.09%
South Africa	2	6	8	25.00%
Spain	2	4	6	33.33%
Korea (the Republic of)	2	13	15	13.33%
Argentina	1	6	7	14.29%
Bolivia, Plurinational State of	1	0	1	100.00%
Chile	1	6	7	14.29%
Colombia	1	2	3	33.33%
France	1	3	4	25.00%
Germany	1	1	2	50.00%
Hong Kong	1	0	1	100.00%
Iran	1	38	39	2.56%
Israel	1	1	2	50.00%
Japan	1	4	5	20.00%
Malaysia	1	6	7	14.29%
Nigeria	1	16	17	5.88%
Russian Federation	1	4	5	20.00%
Slovakia	1	2	3	33.33%
Taiwan	1	3	4	25.00%
Thailand	1	3	4	25.00%
Tunisia	1	4	5	20.00%
United Kingdom of Great Britain and Northern Ireland	1	2	3	33.33%
Venezuela	1	0	1	100.00%
Algeria	0	9	9	0.00%
Armenia	0	1	1	0.00%
Bangladesh	0	7	7	0.00%
Christmas Island	0	1	1	0.00%
Côte d'Ivoire	0	2	2	0.00%
Cyprus	0	1	1	0.00%
Egypt	0	38	38	0.00%
Georgia	0	1	1	0.00%
Ghana	0	3	3	0.00%
Guadeloupe	0	1	1	0.00%
Indonesia	0	1	1	0.00%

Iraq	0	4	4	0.00%
Jordan	0	1	1	0.00%
Kenya	0	1	1	0.00%
Kuwait	0	1	1	0.00%
Morocco	0	3	3	0.00%
Netherlands	0	1	1	0.00%
Oman	0	1	1	0.00%
Pakistan	0	25	25	0.00%
Poland	0	7	7	0.00%
Saudi Arabia	0	10	10	0.00%
Serbia	0	1	1	0.00%
Slovenia	0	1	1	0.00%
Sudan	0	2	2	0.00%
Sweden	0	1	1	0.00%
Syrian Arab Republic	0	1	1	0.00%
Ukraine	0	2	2	0.00%
Viet Nam	0	1	1	0.00%
Country not specified	0	1	1	0.00%
<b>Total</b>	<b>118</b>	<b>692</b>	<b>810</b>	<b>14.57%</b>

#### Web Statistics

Top 10 most-downloaded articles for all papers published between January 1 and December 31, 2017

Rank	Access	Article Title	Author	Issue
1	3953	The oral cavity microbiota: between health, oral disease, and cancers of the aerodigestive tract	Pierre Le Bars, Sébastien Matamoros, Emmanuel Montassier, Françoise Le Vacon, Gilles Potel, Assem Soueidan, Fabienne Jordana, Marie-France de La Cochetière	Vol. 63, No. 6, June 2017
2	3885	Bacteriophages: the possible solution to treat infections caused by pathogenic bacteria	Ayman El-Shibiny, Salma El-Sahhar	Vol. 63, No. 11, November 2017
3	3525	The development of probiotics for women's health	Gregor Reid	Vol. 63, No. 4, April 2017
4	2638	The essential activities of the bacterial sigma factor	Maria C. Davis, Christopher A. Kesthely, Emily A. Franklin, Shawn R. MacLellan	Vol. 63, No. 2, February 2017
5	1999	Entry, infection, replication, and egress of human polyomaviruses: an update	Soumen Bhattacharjee, Sutanuka Chattaraj	Vol. 63, No. 3, March 2017
6	1880	Classification of lipolytic enzymes and their biotechnological applications in the pulping industry	L. Ramnath, B. Sithole, R. Govinden	Vol. 63, No. 3, March 2017

7	1539	Seasonal variation in an acid mine drainage microbial community	Ryan R. Auld, Nadia C.S. Mykytczuk, Leo G. Leduc, Thomas J.S. Merritt	Vol. 63, No. 2, February 2017
8	1240	Plant growth promotion properties of bacterial strains isolated from the rhizosphere of the Jerusalem artichoke ( <i>Helianthus tuberosus</i> L.) adapted to saline–alkaline soils and their effect on wheat growth	Xiaolin Liu, Xiangyue Li, Yan Li, Runzhi Li, Zhihong Xie	Vol. 63, No. 3, March 2017
9	1220	Endophytic root bacteria associated with the natural vegetation growing at the hydrocarbon-contaminated Bitumount Provincial Historic site	Natalie P. Blain, Bobbi L. Helgason, James J. Germida	Vol. 63, No. 6, June 2017
10	1202	Effects and possible mechanism of tea tree oil against <i>Botrytis cinerea</i> and <i>Penicillium expansum</i> in vitro and in vivo test	Yonghua Li, Xingfeng Shao, Jiayu Xu, Yingying Wei, Feng Xu, Hongfei Wang	Vol. 63, No. 3, March 2017

Top 10 most-downloaded articles with no specific cover date

Rank	Access	Article Title	Author	Issue
1	32460	The enhancement of plant growth by free-living bacteria	Bernard R. Glick	Vol. 41, No. 2, February 1995
2	24686	Developments in the use of <i>Bacillus</i> species for industrial production	Marcus Schallmeyer, Ajay Singh, Owen P Ward	Vol. 50, No. 1, January 2004
3	22697	Bacterial endophytes in agricultural crops	J. Hallmann, A. Quadt-Hallmann, W. F. Mahaffee, J. W. Kloepper	Vol. 43, No. 10, October 1997
4	21922	Studies of marine planktonic diatoms: i. <i>Cyclotella nana</i> hustedt, and <i>detonula confervacea</i> (cleve) gran.	Robert R. L. Guillard, John H. Ryther	Vol. 8, No. 2, April 1962
5	17828	Plant growth-promoting bacteria that decrease heavy metal toxicity in plants	Genrich I Burd, D George Dixon, Bernard R Glick	Vol. 46, No. 3, March 2000
6	14430	A review of conventional detection and enumeration methods for pathogenic bacteria in food	Kiev S Gracias, John L McKillip	Vol. 50, No. 11, November 2004

7	13957	Foot odor due to microbial metabolism and its control	Katsutoshi Ara, Masakatsu Hama, Syunichi Akiba, Kenzo Koike, Koichi Okisaka, Toyoki Hagura, Tetsuro Kamiya, Fusao Tomita	Vol. 52, No. 4, April 2006
8	13005	Bacterial biosynthesis of indole-3-acetic acid	Cheryl L. Patten, Bernard R. Glick	Vol. 42, No. 3, March 1996
9	12939	Antimicrobial peptides of the genus <i>Bacillus</i> : a new era for antibiotics	Sumi, Chandra Datta Yang, Byung Wook Yeo, In-Cheol Hahm, Young Ta	Vol. 61, No. 2, February 2015
10	12099	Degradation of plant pathogenic fungi by <i>Trichoderma harzianum</i>	Y. Elad, I. Chet, Y. Henis	Vol. 28, No. 7, July 1982

## 2018 Business Report

### Society Affiliation

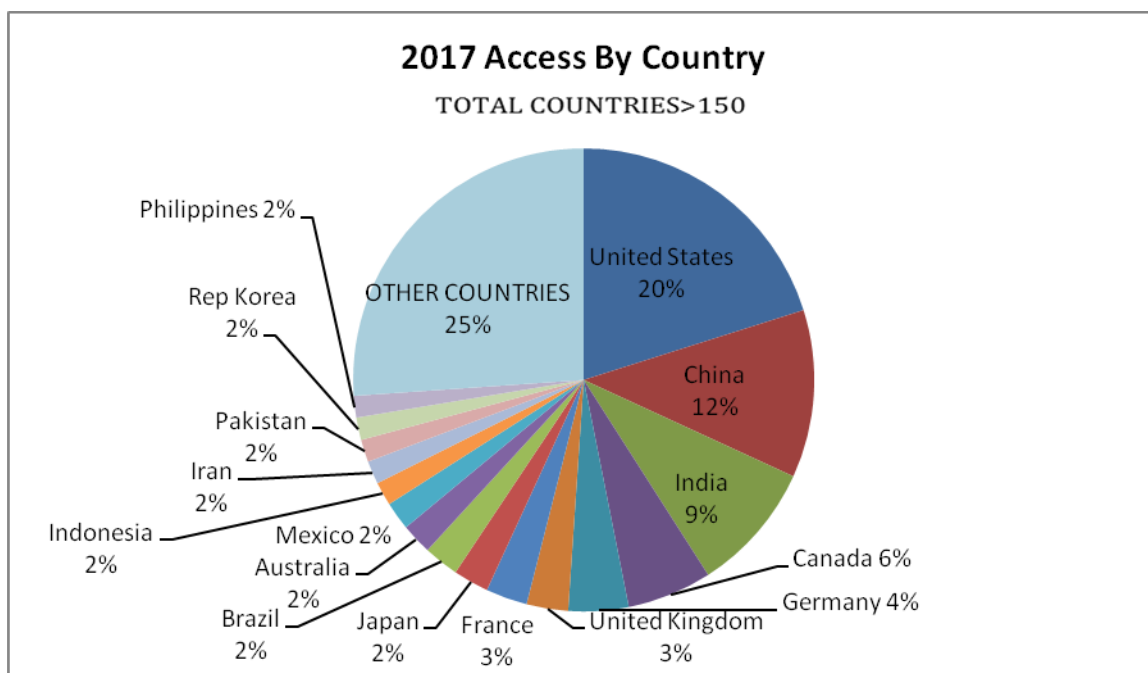
The *Canadian Journal of Microbiology* (CJM) is affiliated with the Canadian Society of Microbiologists (CSM). CSM receives a number of benefits including annual support for the Murray Award, waived colour charges to the print journal, a 66% discount on open access fees (\$1000 vs. \$3000), subscription discounts to CJM, and free cross-promotion. Canadian Science Publishing has been working with the CJM Editors who will be running a free student workshop at the CSM meeting on “the microbiology paper of the future”. Interest has been very high, to the point that it is oversubscribed.

### Online Access

The table below summarizes online access to CJM for the 2014-2017 volume years as well as the distribution by country. Total full-text downloads increased by 9858 or 13% in 2017 over 2016. Total country distribution changed for the following countries compared to 2016: USA increased by 2%, China decreased by 6%, India increased by 2%, and Canada dropped by 8% (likely due to lower table of contents and abstract accesses).

	Table of Contents	Abstracts	Full-text HTML	Full-text PDF	Full-text Total
2014	25,870	394,227	5804	52,718	58,522
2015	41,037	511,226	6,164	74,668	80,832
2016	N/A	591,775	10,135	65,805	75,940
2017	34,433	479,820	14,698	71,100	85,798





CSP has a number of international subscription agreements with individual libraries and library consortia (representing over 3,000 unique customers worldwide) and offers free access to over 100 developing countries around the world. All current library consortia renewed in 2017. Consortia typically cover a country (or a significant portion of a country, sometimes state) institutional libraries. CSP currently participates in the following consortia: Australia (CAUL and CSIRO), Canada (CRKN and FeSL), China (NSTL), Denmark (DEFF), France (INRA), Germany (German Alliance), Korea (KESLI), U.S.A. (USDA and USACE), and the state of California (CDL). From a sales perspective, CSP has developed a network of sales agents who actively promote all CSP journals to generate new subscription sales.

### Subscription Trends

Overall Institutional subscriptions to CJM continue to decline by 9%, slightly higher than the other CSP journals. Generally speaking, institutions continue to be hit with budget cuts, which are forcing librarians to reassess how they approach collections. Budget and usage are still the main deciding factors when a library is considering a cancellation. Total full-text usage increased by 13% in 2017, which is good news. Price increases for CSP journals have consistently been lower than the average price increase. CSP moved away from print-only subscriptions in 2017, offering free electronic with a print subscription (P+E) to encourage online usage. The strategy is to get users accessing the online version which is more robust and will also allow libraries to monitor usage, with the thinking that the print version of the journal will eventually disappear completely.

	Print	Electronic*	P+E	Total
Institution				
2015	61	209	13	283
2016	49	213	10	272
2017	N/A	201	51	252

Society				
2015	0	20	0	20
2016	0	22	1	23
2017	N/A	16	1	17
Individual				
2015	0	0	4	4
2016	0	0	3	3
2017	N/A	0	0	0

\*Includes 44 Canadian universities that purchased through CRKN, but no other consortia.

### Open Access

CJM access in Canada continues to be freely available from 1955 to 2010.

Free access to our content is provided to developing countries through Research4Life, INASP, and TEEAL, ensuring that developing countries get barrier-free access to CJM.

CSP offers all researchers from any Canadian university participating in the CRKN consortium (44 universities) a 50% discount on the usual paid open access fee of \$3000 (OpenArticle). The discounted price of \$1500 would make articles freely available to anyone in the world. The editors also have the ability to make up to 12 articles OA per year.

### Social Media Outlets and Other Marketing Efforts

#### Newsletter Campaigns

Newsletters feature free content, special issues, Editors' Choice selections, upcoming events, and news from affiliated societies.

#### Social Media

Due to changes in corporate social media strategies the CJM Facebook account [www.facebook.com/CanJMicrobiology/](http://www.facebook.com/CanJMicrobiology/) will be closed. However, new issues, special issues, noteworthy articles, and other journal updates will be shared through the Canadian Science Publishing corporate social media accounts on Twitter and Facebook. As well, content identified during the peer-review process as warranting special promotion will be considered for coverage on the Canadian Science Publishing Blog.

#### Sponsorships, Exhibits, Awards (2017)

- Canadian Society of Microbiologists (CSM) 67<sup>th</sup> Annual Conference
- Infection and Immunity Research Forum (IIRF)
- 16<sup>th</sup> International Symposium on Microbial Ecology (ISME)
- CSM Murray Award for Career Achievement

#### Appendix A

## Editorial Board as of May 2018

### Editors

- E. Allen-Vercoe (University of Guelph, Guelph, Ontario)  
Alf Botha (Stellenbosch University, South Africa)  
N. Cimolai (Children's & Women's Health Center of British Columbia, Vancouver)  
A. Clarke (University of Guelph, Guelph, ON)  
R. DeVinney (University of Calgary, Calgary, Alberta)  
S. Faucher (McGill University, Sainte-Anne-de-Bellevue, Quebec)  
M. Filion (University of Moncton, Moncton, New Brunswick)  
R. Garduno (Dalhousie University, Halifax, Nova Scotia)  
C.W. Greer (NRC Biotechnology Research Institute, Montréal)  
C. Hamel (Agriculture and Agri-Food Canada, Swift Current, Saskatchewan)  
D. Hegedus (Agriculture and Agri-Food Canada, Saskatoon, Saskatchewan)  
M.F. Hynes (University of Calgary, Calgary, Alberta)  
Russell Hynes (Agriculture and Agri-Food Canada, Saskatoon, Saskatchewan)  
S. Koval (University of Western Ontario, London, Ontario)  
P. Krell (University of Guelph, Guelph, Ontario)  
A. Lang (Memorial University of Newfoundland, St. John's, Newfoundland and Labrador)  
N. Mykytczuk (Laurentian University, Sudbury, ON)  
P. Normand (Université Lyon 1, Villeurbanne, France)  
G. Owttrim (University of Alberta, Alberta, Canada)  
A.M. Svircev (Agriculture and Agri-Food Canada, Vineland Station, Ontario)  
R. Tsang (Public Health Agency of Canada, Winnipeg, Manitoba)  
V. Vujanovic (University of Saskatchewan, Saskatoon, Saskatchewan)  
K. Warriner (University of Guelph, Guelph, Ontario)  
L.G. Whyte (McGill University, Sainte-Anne-de-Bellevue, Quebec)  
G. Wolfaardt (Ryerson University, Toronto)

### Editorial Board Members

- D. Daines (Old Dominion University, Norfolk, VA, USA)  
J. Harel (Université de Montréal, Saint-Hyacinthe, QC)  
L. Jewell (Agriculture & Agri-Food Canada, St. John's, NL)  
A. Kirkwood (University of Ontario Institute of Technology, Oshawa, ON)  
K. Liljebjelke (University of Calgary, Calgary, AB)  
B. Mark (University of Manitoba, Winnipeg, MB)  
J. McPhee (Ryerson University, Toronto, ON)  
D. Ogunremi (Canadian Food Inspection Agency, Ottawa, ON)  
T.O. Rahube (Botswana International University of Science and Technology, Palapye, Botswana)  
J. Ronholm (McGill University, Ste-Anne-de-Bellevue, QC)  
M. Sheng (A&F University, Shaanxi, China)  
F.J. Veyrier (Université du Québec, Laval, QC)  
A. Walker (Acadia University, Wolfville, NS)  
J. Weadge (Wilfrid Laurier University, Waterloo, ON)

**16. Reports from Representatives to outside organizations**

b) *International Union of Microbiological Societies Virology– Rodney Russell*

**16. Reports from Representatives to outside organizations**

c) *International Union of Microbiological Societies - Mycology– Jennifer Geddes- McAlister*

I am honoured to be the new IUMS Mycology representative for CSM and I look forward to communicating advancements in mycological research with the community in the coming year.

**16. Reports from Representatives to outside organizations**

d) *International Union of Microbiological Societies – Bacteriology – Charles Dozois*

I have not been present at their last meetings and as such I do not have anything to report. There has also not been any correspondence from the IUMS to provide any information about future meetings they may be organizing. The last activities have mainly been organized in the orient. The last meetings they held were in Singapore. The next meeting planned for South Korea in October 2020.

**16. Reports from Representatives to outside organizations**

e) *International Committee on Taxonomy of Viruses – Andrew Lang*

Access to all the latest information about ICTV activities and updates is available at the ICTV website (<http://talk.ictvonline.org/>). At this site you can also subscribe to the ICTV email newsletter. Some recent and ongoing ICTV highlights:

- The 2017 ICTV Plenary session was held during the International Congress of Virology at IUMS in Singapore on July 21, 2017 ([https://talk.ictvonline.org/files/ictv\\_documents/m/plenary\\_minutes/6993](https://talk.ictvonline.org/files/ictv_documents/m/plenary_minutes/6993)).

- The last collection of taxonomy proposals was ratified by vote in February, and the 2017 ICTV taxonomy (released March 12, 2018) is now available online at <http://ictvonline.org/virusTaxonomy.asp>.

- There will be an ICTV-sponsored Satellite Symposium “A World of Viruses: Exploding Diversity and Its Impact on Classification” on July 14, 2018 at this year's American Society for Virology meeting at University of Maryland.

- The ICTV Online (10th) Report on Virus Taxonomy is now available and freely accessible at <http://ictv.global/report>. ICTV Study Groups are currently updating the information in chapters from the 9th Report over a three-year cycle, as well as producing chapters for newly created viral taxa.

- Summaries of the Online Report chapters are published in the *Journal of General Virology* ICTV Virus Taxonomy Profiles section. These summaries are linked to the full Online Report chapters on the ICTV website and are indexed in PubMed.

**16. Reports from Representatives to outside organizations**

f) *Biological & Chemical Defence Review – Jon van Hamme*

## **16. Reports from Representatives to outside organizations**

### **g) *ASM International Membership Comm. & Ambassador to Canada* – Christine Szymanski**

First, I would like to thank Trevor Charles for serving as the Canadian Ambassador to the American Society for Microbiology (ASM) for two 3-year terms. We would also like to thank our former ASM Young Ambassador, Subba Rao Chaganti. This year, Agatha Jassem has taken over the role of the ASM Young Ambassador.

This is also my first year as ASM Ambassador to Canada during a time when ASM is aggressively expanding its International affairs and reaching out to other countries and Microbiological Societies. This year, they have also created positions for ASM US Young Ambassadors to have student representatives in each state. This is reminiscent of our Student and Faculty Representatives Program which I hope the CSM continues to expand and engage more routinely to have an impact in every scientific organization in our country.

Each year, the Ambassadors receive a \$5 discount code that can be used by anyone in their country that is renewing or applying for a new ASM membership in the categories of Student, Postdoc, or Supporting Membership. Agatha and I will send out these codes to the CSM Membership each January in time for your annual renewals.

Also, each year, the Ambassadors submit requests to ASM for support of the CSM Annual Conference. In the past, the country ambassador submits a grant to fund the Career Development Workshop and the Student Poster Prize at the CSM Annual Conference. The young ambassador submits a grant to fund a CSM/ASM student networking event. The workplans and funding requests are due by the end of January (decisions are sent on March 1st) and the ambassadors work together with the local organizing committee on these submissions. There are also opportunities to request funds for special ASM lectures or sessions at the CSM Annual Conference or if anyone is interested in organizing a microbial specialty meeting in Canada. You would need to contact Christine Szymanski before January 30, 2019 if planning to host a meeting that year.

For 2018, ASM has agreed to fund one Student Poster Prize (1 membership and e-book, a combined \$250 value) at the Canadian Society of Microbiologists Annual Conference. ASM is also sponsoring the CSM/ASM student trainee event (\$200) at the CSM Annual Conference. Because our Youth Ambassador, Agatha Jassem, is on maternity leave, our Postdoctoral Representative, Stefanie Vogt has kindly taken over the responsibilities of organizing the event.

## **16. Reports from Representatives to outside organizations**

### **h) *ASM Young Ambassador to Canada* – Agatha Jassem**

## 16. Reports from Representatives to outside organizations

### i) *Partnership Group in Science and Engineering – PAGSE – Thien-Fah Mah*

Please note that this report summarizes the PAGSE Annual Activity Report produced by Donna Boag (Manager of PAGSE).

#### **What is PAGSE?**

The Partnership Group for Science and Engineering (PAGSE; [www.pagse.org](http://www.pagse.org)) is a cooperative association of national organizations in Science and Engineering. It was formed in 1995 at the invitation of the Academy of Science of the Royal Society of Canada. The national organizations that comprise PAGSE represent almost 60,000 individual members from Canadian industry, academia, and government sectors. We work collectively to represent the Canadian science and engineering community to the Government of Canada, and to advance research and innovation for the benefit of Canadians. PAGSE is *not* a lobby group. It does not seek an audience to advance the cause of specific science and engineering initiatives. Rather, its intent is to address the broader issues of science and engineering policy at the national level.

Maria DeRosa (Carleton University) is the Chair of PAGSE. For a full list of member organizations, see <http://pagse.org/en/links.htm>

#### **PAGSE Council Meetings**

Guests that represent science and engineering in the government and industry sectors are invited to PAGSE Council meetings to present their perspectives on science and engineering in Canada. They inform us on the activities of their organizations and also point out the potential issues and challenges that they would like to see PAGSE address. PAGSE members also consider federal activities and reports and how best to promote and sustain Canada's scientific base. The meetings are held at the University of Ottawa. During the last year, PAGSE has welcomed Roseann Runte, President and CEO, Canada Foundation for Innovation (CFI), Mona Nemer, Canada's Chief Science Advisor and Mario Pinto, President, Natural Science and Engineering Research Council.

#### **Bacon and Eggheads**

"Bacon and Eggheads" is a monthly breakfast event that PAGSE (in partnership with NSERC, CANARIE Inc., and other organizations) hosts on Parliament Hill. Speakers inform parliamentarians about recent advances in science and engineering.

2017-18 Presentations:

[Deep Learning and Artificial Intelligence: Is Canada ready for the challenge?](#)

Yoshua Bengio, Université de Montréal, September 28, 2017

[Uncharted Waters: A scientific glimpse into the future of the Arctic Ocean](#)

Jay Cullen, University of Victoria, October 26, 2017

[30 Year Journey: winning the battle against Hepatitis C](#)

Michael Houghton, University of Alberta, November 23, 2017

[Canada Takes a Big Stake in the Driver-less Future](#)

Steven Waslander, University of Waterloo, Thursday February 15, 2018

[Arctic warming: The land and communities on the cusp of rapid change](#)

[Bacon & Big Thinking](#)

Susan Kutz, University of Calgary and Jackie Dawson, University of Ottawa

Tuesday March 20, 2018

## [Cannabis in Canada: Closing in on a new paradigm for drug research and policy](#)

Mark A. Ware, McGill University, Thursday April 26, 2018

## [Food Safety for the 21<sup>st</sup> Century](#)

Lawrence Goodridge, McGill University, Thursday May 24, 2018

### **SciEng Pages**

SciEng Pages is an initiative undertaken by PAGSE to provide brief, evidence-based assessments of topical science and engineering topics to Parliamentarians and the public. Over the past year, we have begun a process to re-launch SciEng Pages after a period of inactivity. Our approach will be to work with our PAGSE member societies to identify topics (in conjunction with the Bacon and Eggheads Committee) and interested experts. The Canadian Association for Neuroscience has agreed to lead a SciEng Pages effort on Cannabis, with Dr. Matt Hill from the University of Calgary (Member of the Royal Society's College of New Scholars, Artists, and Scientists). We have also started a discussion with the Canadian Federation of Earth Scientists on a SciEng Pages for the fall (topic TBD). To view all the SciEng Pages publications please visit the SciEng Pages website: <http://sciengpages.ca/> or <http://sciengpages.ca/fr/>

### **Submissions to Parliamentary Committees and Consultations**

#### Submission to the House of Commons Finance Committee

PAGSE submitted a brief to the House of Commons Standing Committee on Finance in August 2017.

#### **Summary of the August 2017 Submission**

Canadians recognize that our health, prosperity, and security depend on science, technology, and innovation (STI).<sup>1</sup> From the tools we use to communicate, to the energy that powers our homes, businesses, and transportation, to the treatments and diagnostics that keep us healthy, STI touches every aspect of our daily lives.

Basic research is the foundation and fuel for STI. Breakthrough advances occur when we have the opportunity to answer fundamental questions about ourselves and the natural world around us. Sustained fundamental research is required to continually advance STI. While Canada has long been a source of high quality and high impact research, in recent years we have witnessed an erosion of our competitiveness in comparison to our international peers. Canada's Fundamental Science Review<sup>2</sup> affirmed this point and its recommendations on how to reverse the trend have received widespread support from the scientific community<sup>3</sup> and the general public.<sup>4</sup>

Given the increasingly competitive global environment and the complexity of challenges we face, investments in basic research have never been more critical for Canadians. In view of the role of research in spurring innovation and increasing productivity, and the need for research to inform evidence-based policy-making and to inspire and educate the next generation of innovators, investing in basic research is one of the most important and highest-yield investments in Canada's competitiveness that our government can make.

**The Partnership Group for Science and Engineering (PAGSE) recommends that the Government begin to implement the recommendations from Canada's Fundamental Science Review. In particular, we recommend that the Government:**

- **Increase its investment in independent, investigator-led basic research to improve our international competitiveness. (R6.1)**

- **Increase its investment in scholarship and fellowship programs to ensure a stable pipeline of innovators for the future. (R7.1)**

[The complete submission is available on the PAGSE website](#)