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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
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 66th Annual General Meeting, June 13, 2016
4. Matters arising from 66th Annual General Meeting report
5. President's Report
6. 1st 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
 - i. *CSM Murray Award for Career Achievement*
 - ii. *Fisher Scientific Award*
 - iii. *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*



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66th Annual General Meeting

Date: Monday, June 13, 2016

**Location: University of Toronto,
Medical Science Building (MSB) Room: MacLeod Auditorium
Toronto, ON**

Time: 6:00 – 7:15 PM

Meeting Agenda

1. Introductions
2. Approval of Agenda
3. Approval of minutes from Regina 65th Annual General Meeting, June 18, 2015
4. President's Report
 - a) FOME: Motion to include FOME within CSM Council
 - b) Motions: To modify the Bylaws to add a Postdoctoral Position on the Executive Committee.
5. 1st Vice President Report
6. Past President Report
7. Secretary Treasurer's report
 - a) 2016 Budget
 - b) 2015 Audited Financial Statement
 - c) Membership Report
 - d) CSM Website Report
8. Meetings' Secretary's Report
9. Meetings Conferences and Workshops
 - a) Report on 2015 conference
 - b) Report on 2016 conference
 - c) Report on 2017 conference
 - d) Future Conferences & Workshops
10. Student representative's report

11. New Members of the Executive & Council
12. Reports from the sections
 - a) *Applied Environmental Microbiology*
 - b) *Infections and Immunity*
 - c) *Molecular Genetics and Cellular Microbiology*
13. Reports from committees
 - a) Education and Careers Committee
 - b) Awards Report
 - i. *CSM Murray Award for Career Achievement*
 - ii. *Fisher Scientific Award*
 - iii. *Armand Frappier Award*
14. 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

Attendees: Chris Yost, President; Christine Szymanski, 1st VP; Andrew Lang, 2nd VP; Mohan Babu, Secretary /Treasurer; Charles Dozois, Past President; Wafaa Antonious, Secretariat; Alex Ensminger, Jason Bryon Perez, David Simpson, Denice Bay, Josie Libertucci, Tanya Noel, Brian Lanoil, Janet Hill, Michael Hynes, Ivan Oresnik, Lyle Whytes, Sebastien Faucher, Martin Chenier, Adina Bujold, Tomas Gverzdys, Trevor Moraes, Alex Hynes, Joseph Lam, Cezar Khursigara, Salim Islam, Louis Charles Fortier, Josee Harel, David Guttman, Marwan Al Maqtuofi, Joseph Saoud, Nilimini Mendis, Adejinka Ajayi, Harold Bull, Subba Rao Chaganti, Kesen Ma, Ebthal Alshabib, Brady O'Connor, Josh Neufeld, Steven Short, Teri deKievit, Dawn Bignell, Kapil Tahlan, Marie Elliot, Christian Baron, Gabriel Ouellet, Sabhjeet Kaur, Rhiannon Wallace, George diCenzo, Maya D'Alessio, Justin Hawkins, Jennifer Geddes-McAlister, Joe Rubin, Laura Hug, Brent Seuridge, Anne Karen Brassinga, Silvia Cardona, Carole Creuzenet, Rafael Garduno, Genevieve Robinson, Susan Koval, Louise Nelson, Maria Davis, Christopher Kesthely, F X Campbell-Valois, Janice Strap, Andrew Varley, Andrew Quaile, Malene Urbanus, Stefanie Vogt, Cody Thomas, Tak Tanaka, Malaka De Silva, Rakesh Patidar, Derek Smith, Danae Suchan, Claire Freeman, Simon Labrie, Peter Krell, Katherine Kasper (80 Attendees).

1. Introductions

Chris Yost, CSM President introduced members of the CSM Executive and welcomed the members attending the annual general meeting.

2. Approval of Agenda

Motion: Josie Libertucci made a motion to approve the agenda, motion seconded by Janet Hill, all in favour, agenda approved.

3. Approval of minutes from Regina 65th Annual General Meeting, June 18, 2015

Motion: Alex Ensminger made a motion to approve the 65th AGM Minutes, seconded by Josie Libertucci, all in favour, minutes approved.

4. President's Report - Chris Yost

a) FOME – Tanya Noel & Josie Libertucci

Motion to include FOME within CSM Council

Chris Yost presented the FOME report prepared by Tanya Noel and Josie Libertucci. He then commented that FOME is an important initiative as it invests in the microbiologists who chose teaching as their line of work. CSM Executive decided that it was beneficial for the membership to invest in FOME and continue holding Education workshops in future CSM Conferences.

Motion: Chris Yost made a motion to include the FOME Committee within the CSM Council, Catherine Casper, seconded the motion, all in favour, motion approved. Tomas Gverzdys asked if CSM was planning to evaluate it in 3 years to determine its usefulness. Then a question was asked if there would be a vice president for the FOME Committee.

b) Motion: Chris Yost made a motion to modify the Bylaws to add a Postdoctoral Position on the Executive Committee, Alex Hynes seconded the motion, all in favour, motion approved. Michael asked if we need to amend the bylaws. WA stated that she would contact Corporation Canada to confirm if the bylaws need to be amended and resubmitted.

5. 1st Vice President Report - Christine Szymanski

Christine Szymanski said she was looking forward to working with the rest of the Executive and she did not have anything to add to the written report.

6. Past President Report - Charles Dozois

Charles Dozois said he would miss his involvement with the Executive committee. He will continue attending CSM conferences and will be ready to serve when called upon.

7. Secretary Treasurer's report - - Mohan Babu

a) 2016 Budget

Mohan Babu presented the budget. He went through the various columns and explained when there was difference in the numbers for the same line between the 2 columns.

Motion: Janet Hill made a motion to approve the budget, Tak seconded the motion, all in favour. Budget approved.

b) 2015 Audited Financial Statement - Attached

Mohan Babu presented the Financial Statement as prepared by Mrs. Andrea Poole after auditing the CSM financial books.

Motion: Peter Krell made a motion to accept the audited financial statement, Lyle Whyte seconded the motion, all in favour, audited statement accepted.

c) Membership Report - Attached

Mohan Babu presented the attached membership report. He noted that 2016 has the highest membership numbers compared to previous years as per the historical table, followed by 2010 when the CSM conference was hosted at McMaster University. The membership numbers are affected by the attendance at the annual conference. Mohan stated that in 2016, CSM added the 2 years subscription as an option on the CSM Membership form. Ivan Oresnik asked about the number of members who renewed for 2 years. Wafaa Antonious reported there was about 150 – 170 and interestingly there are a good number of students who renewed for 2 years.

Motion: Mohan Babu listed the names of the signing officers and requested a motion to reapprove them. The signing officers are: Andrew Lang, Christine Szymanski, Wafaa Antonious and Mohan Babu. Lyle Whyte made a motion to approve the signing officers as listed, Peter Krell seconded the motion, all in favour, motion approved.

d) CSM Website Report - Attached

Mohan Babu presented the website report.

Someone raised concerns that the poster session was very crowded. Chris Yost said that we would be creating a survey and forward it to the membership to get their feedback regarding the conference and membership. He then encouraged participation in the CSM activities when call of nominations for awards or positions are out.

Susan Koval voiced her concerns that the minutes were circulated just a few hours before the start of the meeting. She stated that if we wanted informed feedback, it was important that the AGM package be ready a week before the meeting and circulated to the membership.

Then the various reports were called and asked if they needed to add anything to the written report.

8. Meetings' Secretary's Report – Russell Hynes

Chris Yost presented the issues raised by Russell Hynes.

9. Meetings Conferences and Workshops

a) Report on 2015 conference – Chris Yost

b) Report on 2016 conference - Alex Ensminger, Trevor Moraes & Wafaa Antonious

c) Report on 2017 conference - Josh Neufeld & Laura Hug

d) Future Conferences & Workshops – Tanaka Takuji

10. Student representative's report - Ryan Buensuceso

11. New Members of the Executive & Council - Chris Yost

Chris Yost listed the new members who will serve on the 2016 -2017 Executive committee after the summer break. Marie Elliott, McMaster University, will join the Executive as 2nd VP, Martin Chenier, McGill University will serve as the Meetings Secretary, Rhiannon Wallace, UBC Okanagan will serve as the graduate student representative

12. Reports from the sections

- a) *Applied Environmental Microbiology* - Josh Neufeld & Andrea Kirkwood
- b) *Infections and Immunity* - Mario Jacques & Herve LeMoual
- c) *Molecular Genetics and Cellular Microbiology* - Marie Elliott & Shawn McLellan

13. Reports from committees

- a) **Education and Careers Committee** - Josh Neufeld & Teresa de Kievit
- b) **Awards Report**
 - iv. *CSM Murray Award for Career Achievement* - George Chaconas
 - v. *Fisher Scientific Award* – Charles Dozois
 - vi. *Armand Frappier Award* – Ivan Oresnik

14. Reports from representatives to outside organizations

- a) *Canadian Journal of Microbiology* - Jim Germida & Anthony Clark
- b) *International Union of Microbiological Societies* - Vacant
- c) *International Committee on Taxonomy of Viruses* - Andrew Lang
- d) *Biological & Chemical Defence Review* - Julia Foght
- e) *ASM International Membership Comm. & Ambassador to Canada* - Trevor Charles
- f) *ASM Young Ambassador to Canada* - Subba Rao Chaganti
- g) *Partnership Group for Science & Engineering (PAGSE)* - Thien-Fah Mah

Motion: Josie Libertucci made a motion to adjourn the annual general meeting. Meeting adjourned.

5. President's Report – Christine Szymanski

Dear CSM Members,

It was my pleasure to serve as your President this year. As I step down from this role, I would like to reflect on the accomplishments we have made together and on the bright future that lies ahead for Canadian microbiologists.

First, I wanted to whole-heartedly congratulate Josh Neufeld and Laura Hug, together with their local organizing committee (LOC) and the meetings secretary, Russell Hynes and secretariat, Wafaa Antonious, for their tremendous effort in putting together the CSM Annual Conference at the University of Waterloo this year. Each month, they eagerly updated us on the strides they made to ensure that this was going to be a memorable conference, in addition to providing valuable feedback to include in the LOC guidelines handbook. I hope they can now relax and enjoy the exciting days that lie ahead!

Second, I wanted to thank all the Executive and Council members that participated in the 1.5-hour teleconference calls each month in addition to the many emails in between. These members were genuinely interested in devoting their time to improve the Society. This group included: Andrew Lang, Marie Elliott, Chris Yost, Mohan Babu, Russell Hynes, Rhiannon Wallace, Teresa de Kievit, Denice Bay, and Wafaa Antonious.

I also wanted to thank our Student and Faculty Representatives who participated in a lengthy conference call in January to discuss CSM initiatives. The CSM made efforts this year to involve microbiologists from every corner in Canada through the Student and Faculty Representative Program and we thank the large number of representatives that participated in our first call. I hope that this program continues to help disseminate information to all microbiologists and increases involvement of all scientists in the Society.

When I stepped into the role of CSM President this year, I wanted to build on initiatives started before me by past Presidents to engage the Society members, emphasize benefits in membership, and entice new members to join. I think we have accomplished these goals together when I note that we have a record high number of members this year. In addition, we have more than doubled our student membership (both at the Graduate and Postdoctoral levels) and had an unanticipated number of nominations for CSM open positions (including outstanding candidates for 2nd Vice-President) and awards. In fact, due to the large number of stellar nominations for the Murray Award for Career Achievement, we have decided to implement a new protocol that will retain award nominations for 3-years, with the option of updating any of the materials, together with accepting new nominations each year.

In addition to selecting candidates for the CSM open positions and awards, the CSM membership also voted to amend the CSM by-laws to add a Postdoctoral Representative and to add a Committee on Microbiology Undergraduate Education. In the upcoming year, we welcome Stefanie Vogt as the first CSM PDF representative on the Executive who will serve a one-year term. We also welcome Janet Hill, joining the CSM Executive as the 2nd Vice-President, and Chris Yost, returning in the role of the CSM Meetings Secretary.

The Executive were appreciative to receive so many responses in the short membership survey that we sent this year for feedback on improving the Society and future Annual Conferences. One change that we would like to implement next year is to offer several travel awards to students attending the CSM Annual Conference. We think this will benefit a greater number of our young membership and help to build long-lasting connections.

The CSM also joined President Kristin Baetz and the Canadian Society for Molecular Biosciences in their campaign to do the Double Double to request a doubling of CIHR and NSERC operating grants by 2019. On April 15, 2017, the CSM posted Canada's Fundamental Science Review – Investing in Canada's Future – Strengthening the Foundations of Canadian Research. This review can still be accessed by going to the CSM website posts and clicking the “more” tab. We encourage all of you to support the Naylor report to provide the Canadian government with one cohesive document to focus on, rather than individual messages that do not provide a collective voice. The CSM also thanks Thien-Fah Mah who is our PAGSE representative. This summer, there will be a call for submissions to the House of Commons Finance Committee as part of pre-budget consultations. PAGSE will cite the Naylor report and the 2016 Budget when stating that more money needs to be put into research, and will use the recommended amounts in the Naylor report.

Finally, another indication of a vibrant Society is when the membership voluntarily agrees to host future CSM Annual Conferences. With the help of Tanaka Takuji, we already have designated Chairs and LOCs committed up to the year 2021, with the University of Manitoba (2018), Université de Sherbrooke (2019), University of Guelph (2020) and Dalhousie University (2021) waiting to put their own personal influences on the annual event.

I thank-you all for such an excellent year and I am proud to be a member of the Canadian Society of Microbiologists!

Sincerely,
Christine

6. 1st Vice President Report – Andrew Lang

It has been a great second year on the Executive, with Christine leading us through many new endeavours. I nervously await Christine's hat selection but look forward to the upcoming year as President and working with everyone to follow up on our new initiatives and prepare for next year's meeting in Winnipeg.

7. Past President Report – Chris Yost

Report will be presented orally.

8. Secretary – Treasurer’s Report – Mohan Babu
a) 2017 Budget

	2017 June Estimated End to Year	2016 Audited Budget	2016 June Estimated End to Year	2015 Audited Budget	2014 Audited Budget
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REVENUE SOURCES FOR OPERATIONS

Investment & Misc Income ³	1,411.70	1,568.35	1,520.00	1,520.30	3169.75
Membership Fees	37,000.00	38,674.25	37,360.00	31,851.00	31437.22
Subscriptions to the CJM	370.00	1,093.00	758.00	610	1,296.00
Advertising & Sponsorship Income	2,250.00	1,230.64	400.00	750	1,475.00
Subtotal	41,031.7	\$42,566.24	\$40,038.00	\$34,731.30	\$37,377.97

REVENUE SOURCES FOR ANNUAL CONFERENCE

Awards Income	10,950.00	10,241.00	10,050.00	9,000.00	10,000.00
Annual Conference Exhibits and Grants & Mtg Folder	56,400.00	62,863.46	63,175.00	53,240.00	
Annual Conference Registration including Tickets	154,295.00	170,768.00	167,380.00	47,436.00	
Subtotal	221,645.00	243,872.46	240,605.00	109,676.00	10,000.00

TOTAL OF ALL REVENUE SOURCES	262,676.70	286,438.70	280,643.00	144,407.30	47,377.97
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	2017 June Estimated End to Year	2016 Audited Budget	2016 June Estimated End to Year	2015 Audited Budget	2014 Audited Budget
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EXPENDITURES FOR OPERATIONS

Website Development	7,425.00	1,950.00	1,950.00	600.00	1,435.00
Website Maintenance	750.00	1,941.50	1,500.00	714.4	1,762.00
Logo / graphic design banner	0	0	0	0	0
Secretariat	25,800.00	25,807.88	25,000.00	21,373.50	23,009.25
Audit	3,800.00	3,750.00	3,700.00	3,700.00	3,700.00
Bank & Credit Card Charges	4,200.00	6,661.99	4,200.00	3,513.00	2,807.67
Balloting & Bylaws / CNW - media advisory & Constant Contact fees	900.00	767.49	246.00	246.00	684.09
CJM Subscriptions	350.00	1,438.00	1,338.00	850.00	1,104.00
Membership in the IUMS & Other Organizations	2,200.00	1,011.00	1,841.00	1,841.00	2,295.70
Liaising & Meetings (board Travel)	0	0	0	0	0
Telephone, Conference Calls	550.00	330.58	380.00	360.17	500.41
Translation	325.00	70.00	0	0	0
Office Supplies	0	0	0	0	47.66
Office Couriers	50.00	34.35	0	0	0
Office Copies					296.42
Storage & Shredding	162.00	162.00	162.00	162.00	162.00
Office Postage	0	0	0	0	0
Taxes & Miscellaneous	250.00	338.69	20.00	230.68	205.00
Under Graduate & Ambassador Awards	4,500.00	5,452.74	5,800.00	5,790.50	500.00
Education & Careers Committee	2,500.00	306.34	1,200.00	0	0
FOME	1,500.00	0	0	0	0
Student Day Support & Other Meetings	3,550.00	4,500.00	1,800.00	1,800.00	0
Subtotal	58,812.00	54,522.56	49,137.00	41,181.25	38,509.20

	2017 June Est. to Year End	2016 Audited Budget	2016 June Est to Year End	2015 Audited Budget	2014 Audited Budget
EXPENDITURES FOR ANNUAL CONFERENCE					
Annual Conference Expenses Facility, AV, Food & Bev, signage, equipment rental ²	127,989.87	134,141.00	134,967.00	44,388.00	41,796.64
Exec& Council mtgs food & Bev	320.00	382.05	112.55	519.50	
Program Book & Poster Printing & Mail out	2,750.00	5,957.29	10,688.00	0	607.50
Meeting Planner Services	25,420.00	28,973.59	27,700.00	7,785.00	
Speakers Expenses	18,900.00	16,928.11	23,000.00	19,998.30	
Meeting Supplies (Bags) & Frames & Labour	6,846.00	13,250.07	7,602.00	555.00	307.24
Undergrad Travel Awards (U Regina Mtg)	0	0	0	1,854.00	0
Awards - Gold (Cangene) Armand Frappier	1,500.00	2,049.52	1,200.00	0	2,273.14
Awards - Fisher	1,500.00	1,500.00	1,500.00	1,500.00	2,300.00
Awards - CSM Murray	1,500.00	1,500.00	1,500.00	1,500.00	1,900.00
Rogers Knowles PD Prize	500.00				
Awards - Beveridge Student Awards (Posters)	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
Awards - CSM Travel Awards (st symposia & travel)	3,500.00	3,592.04	5,800.00	5,772.00	5,033.79
Credit Card discount fees	5,000.00	5,233.70	5,500.00	1,226.00	
Website & Alerts	2,500.00	3,616.25	2,500.00	495.00	592.0000
Board Travel & Other	1,750.00	199.14	1,100.00	0	1,452.51
Disbursement to LOC	0	0	0	0	0
Subtotal	201,475.87	218,822.76	224,669.55	87,092.80	57,763.08
Total of All Expenditures	260,287.87	273,345.32	273,806.55	128,274.05	96,272.28
SURPLUS (DEFICIT) **	2,388.83	13,093.38	6,836.45	16,133.25	-48,89431
Net conference Profit	20,169.13	25,049.70	15,935.45	22,583.20	-47,763.08

Notes to Budget:

As of June 18, 2017, CSM Investment account balance is \$334632.83 and Chequing account balance is: \$141,485.90. In Feb 2015, Tangerine lowered the interest fees from 1% to .75%, then lowered it further to .5%. In December 2016 they lowered the interest rate to .35% for the savings account. In May, 2017, A GIC account was opened and \$100,000 was transferred from the savings to the GIC account that earns 1% interest and will mature on May, 2018 with 1,000 in earned interest. \$583 of this interest will be allocated to 2017 investment Interest account. 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) 2016 Financial Statements Audited by Andrea Poole, CA

CANADIAN SOCIETY OF MICROBIOLOGISTS

FINANCIAL STATEMENTS

December 31, 2016



Andrea Poole, C.A.
Licensed Public Accountant

48 Dunvegan Road Ottawa ON K1K 3G3
613-218-5931 accounting@pooleca.com

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 statements of financial position as at December 31, 2016 and the statements of operations, 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 of 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 entity'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 entity'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 in my audits is sufficient and appropriate to provide a basis for my audit opinion.

Opinion

In my opinion these financial statements present fairly, in all material respects, the financial position of the Canadian Society of Microbiologists as at December 31, 2016 and the results of its financial performance for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

Andrea Poole, CPA, CA
Licensed Public Accountant

Ottawa, Ontario
June 22, 2017

CANADIAN SOCIETY OF MICROBIOLOGISTS

STATEMENT OF FINANCIAL POSITION

AS AT DECEMBER 31, 2016

	<u>2016</u>	<u>2015</u>
ASSETS		
CURRENT		
Cash	\$ 20,522	\$ 8,895
Short-term investments		
Unrestricted	200,913	145,991
Restricted - Beveridge (Note 4)	15,324	16,824
Restricted - ISME-8 (Note 4)	42,746	44,600
Accounts receivable	2,967	6,101
Prepaid expenses	<u>3,777</u>	<u>29,833</u>
	<u>\$ 286,249</u>	<u>\$ 252,244</u>
 LIABILITIES		
CURRENT		
Accounts payable and accrued liabilities	\$ 11,159	\$ 7,812
HST payable	6,279	-
Deferred membership and subscription fees	12,707	1,067
Deferred conference revenue	5,000	2,000
Deferred ISME-8 funds (Note 4)	42,746	44,600
Deferred Beveridge Award funds (Note 4)	<u>15,324</u>	<u>16,824</u>
	<u>93,215</u>	<u>72,303</u>
 UNRESTRICTED NET ASSETS		
Balance, beginning of year	179,941	163,809
Net revenue for the year	<u>13,093</u>	<u>16,132</u>
Balance, end of year	<u>193,034</u>	<u>179,941</u>
	<u>\$ 286,249</u>	<u>\$ 252,244</u>

Approved on behalf of the Board:

Director

Director

CANADIAN SOCIETY OF MICROBIOLOGISTS

STATEMENT OF OPERATIONS

FOR THE YEAR ENDED DECEMBER 31, 2016

	<u>2016</u>	<u>2015</u>
REVENUE		
Annual conference (Annex A)	\$ 243,873	\$ 109,677
Memberships	38,674	31,851
Subscription fees for CJM	1,093	610
Advertising and job postings	525	750
Ambassador awards support	706	-
Investment income	<u>1,568</u>	<u>1,520</u>
	<u>286,439</u>	<u>144,408</u>
 EXPENDITURE		
Annual conference (Annex A)	218,822	87,094
Secretariat	25,808	21,374
Student day, undergrad and ambassador awards	9,953	7,591
Bank and credit card fees	6,662	3,513
Professional fees	3,750	3,700
Website	3,892	1,314
CJM subscription	1,438	850
Office	1,034	408
Membership in other organizations	1,011	1,841
Miscellaneous	<u>339</u>	<u>231</u>
Liaising and advocacy	331	360
Education, career and FOME committee	306	-
	<u>273,346</u>	<u>128,276</u>
 NET SURPLUS (DEFICIT) FOR THE YEAR	 <u>\$ 13,093</u>	 <u>\$ 16,132</u>

CANADIAN SOCIETY OF MICROBIOLOGISTS

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED DECEMBER 31, 2016

	<u>2016</u>	<u>2015</u>
CASH PROVIDED BY (USED FOR)		
OPERATING ACTIVITIES		
Cash from operations		
Net surplus (deficit) for the year - excluding interest	\$ 11,525	\$ 14,612
Interest revenue for the year	<u>1,568</u>	<u>1,520</u>
	<u>13,093</u>	<u>16,132</u>
Net change in non-cash working capital balances		
Accounts receivable	3,136	(3,942)
Prepaid expenses	26,056	(29,833)
Accounts payable and accrued liabilities	9,624	2,803
Deferred membership and subscription fees	11,640	(1,478)
Deferred conference revenues	3,000	2,000
Deferred ISME-8 funds	(1,854)	(2,700)
Deferred Beveridge Award funds	<u>(1,500)</u>	<u>(1,500)</u>
	<u>63,195</u>	<u>(18,518)</u>
INVESTING ACTIVITY		
Short term investments	<u>(51,568)</u>	<u>3,480</u>
INCREASE (DECREASE) IN CASH	11,627	(15,038)
Cash, beginning of year	<u>8,895</u>	<u>23,933</u>
CASH, END OF YEAR	<u>\$ 20,522</u>	<u>\$ 8,895</u>
CASH AND INVESTMENTS POSITION		
Cash	\$ 20,522	\$ 8,895
Short-term investments	<u>216,237</u>	<u>162,815</u>
	<u>\$ 236,759</u>	<u>\$ 171,710</u>

CANADIAN SOCIETY OF MICROBIOLOGISTS

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2016

1. PURPOSE OF THE ORGANIZATION

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 Canadian Society of Microbiologists 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.

2. SIGNIFICANT ACCOUNTING POLICIES

The financial statements have been prepared in accordance with Canadian accounting standards for not-for-profit organizations.

(a) 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.

(b) Basis of Accounting

Revenue and expenses are recorded on the accrual basis, whereby they are reflected in the period in which they have been earned and incurred respectively, whether or not such transactions have been finally settled by receipt or payment of money.

(c) Revenue Recognition

CSM 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 if the amount to be received can be reasonably estimated and collection is reasonably assured.

(e) Use of estimates

The preparation of the financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reported period. By their nature, these estimates are subject to measurement uncertainty and the effect on the financial statements of changes in such estimates in future period could be significant.

CANADIAN SOCIETY OF MICROBIOLOGISTS

NOTES TO THE FINANCIAL STATEMENTS

DECEMBER 31, 2016

3. FINANCIAL INSTRUMENTS

CSM's financial instruments consist of cash, short-term investments, accounts receivable, accounts payable and accrued liabilities, and deferred income. The fair value of these financial instruments approximates their carrying values, unless otherwise stated.

Interest Rate Risk

Interest rate risk is the exposure of the Society's earnings that arises from fluctuations in interest rates. The Society is not exposed to significant interest rate risk arising from their financial instruments.

4. DEFERRED BEVERIDGE AND ISME-8 FUNDS

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.

CANADIAN SOCIETY OF MICROBIOLOGISTS

ANNEX A

STATEMENT OF CONFERENCE REVENUE AND EXPENDITURE

FOR THE YEAR ENDED DECEMBER 31, 2016

	<u>2016</u>	<u>2015</u>
CONFERENCE REVENUE		
Registration fees	\$ 170,768	\$ 47,436
Grants	46,013	33,179
Exhibits and other commercial support	16,850	20,062
Awards support	7,593	4,800
ISME-8 support	1,148	2,700
Beveridge support	1,500	1,500
	<u>243,872</u>	<u>109,677</u>
 CONFERENCE EXPENDITURE		
Facility	134,522	44,388
Planner	28,974	7,785
Speakers	16,928	19,998
Awards		
Student symposia (Cedarlane, CCM, & ISME-8)	3,240	4,572
Gold, Fisher & CSM	5,050	3,000
ISME-8 Travel Award	352	1,200
Student poster	1,500	3,354
Program book	5,733	-
Credit card discount	5,234	1,226
Website and alerts	3,616	495
Conference supplies and other	13,474	556
Board travel	199	519
	<u>218,822</u>	<u>87,093</u>
 CONFERENCE REVENUE (DEFICIT) FOR THE YEAR PRIOR TO DISBURSEMENTS	25,050	22,584
 DISBURSEMENT TO LOCAL ORGANIZING COMMITTEE	<u>-</u>	<u>-</u>
 NET CONFERENCE (DEFICIT) REVENUE FOR THE YEAR	\$ <u>25,050</u>	\$ <u>22,584</u>

8. Secretary's Treasurer's Report – Mohan Babu
d) Membership Report

As of June 17, 2017

	2017 Total	2017 Renewed	2017 New	2016 Total	2016 Renewed	2016 New	2015 Total	2015 Renewed	2015 New
Ordinary	299	247	52	317	255	62	283	230	53
Student	281	125	156	265	71	194	125	50	75
Post-Doc	74	47	27	78	43	35	43	26	17
Emeritus	14	13	1	15	15	0	10	9	1
Honorary	3	3	0	3	2	1	2	2	0
Total	671	435	236	678	386	292	463	317	146

A short historical timeline of year-end membership totals follows:

	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
New Members	236	292	106	79	207	109	107	239	268	131	135	154
Renewed Members	435	386	306	391	332	371	364	345	213	274	301	302
Total Members	671	678	412	470	539	480	471	584	481	405	436	456

Province/Country	2015	2016	2017	Section	2015	2016	2017
Alberta	35	46	37	Applied & Environmental Microbiology	163	228	259
British Columbia	42	36	39	Infection and Immunity	124	222	170
Manitoba	24	32	41	Mol. Genetics & Cellular Microbiology	125	228	242
New Brunswick	2	6	6	Unspecified	0	0	0
Newfoundland	5	13	7	Total	412	678	671
Nova Scotia	5	11	16				
Ontario	146	344	350				
PEI	2	1	1				
Quebec	67	91	83				
Saskatchewan	53	49	43				
USA	9	24	21				
Overseas	22	25	27				
Total Members	412	678	671				

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

Monthly History January – December 2016

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2016	4,419	7,129	30,334	257,185	7.17 GB
Feb 2016	4,184	6,481	22,881	241,945	7.79 GB
Mar 2016	5,094	8,838	37,711	359,973	10.36 GB
Apr 2016	5,483	9,461	50,537	382,759	10.87 GB
May 2016	4,407	7,226	29,248	291,732	8.31 GB
Jun 2016	7,403	11,549	38,069	439,638	19.09 GB
Jul 2016	4,127	6,086	21,020	203,784	6.92 GB
Aug 2016	4,960	7,177	22,234	198,383	6.05 GB
Sep 2016	4,286	6,757	22,815	212,573	6.26 GB
Oct 2016	4,533	7,725	23,354	211,890	5.51 GB
Nov 2016	4,427	7,540	19,061	209,985	6.43 GB
Dec 2016	4,484	7,663	30,055	198,910	6.19 GB
Total	57,807	93,632	347,319	3,208,757	100.96 GB

Monthly History January – 17 June 2017

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2017	6,693	10,574	27,488	269,138	8.33 GB
Feb 2017	5,644	9,084	23,967	217,057	7.26 GB
Mar 2017	7,011	13,078	49,037	381,627	13.06 GB
Apr 2017	6,951	12,527	40,330	335,507	11.52 GB
May 2017	6,737	11,595	38,632	290,262	9.20 GB
Jun 2017	3,992	6,178	61,440	221,782	6.50 GB
Jul 2017	0	0	0	0	0
Aug 2017	0	0	0	0	0
Sep 2017	0	0	0	0	0
Oct 2017	0	0	0	0	0
Nov 2017	0	0	0	0	0
Dec 2017	0	0	0	0	0
Total	37,028	63,036	240,894	1,715,373	55.86 GB

9. Meetings Secretary's Report – Russell Hynes

396 abstracts were submitted to the CSM Abstract management System. 338 regular poster abstracts and were reviewed by CSM section chairs and co-chairs, of which none were rejected. Section chairs and co-chairs reviewed and selected 8 abstracts per section for the Poster Competitions. Student Poster and Symposium Competitions were lower than in previous years possibly due to the CSM abstract submission rule change of no extensions granted to Student competitions, Symposium and Poster Competition. I am grateful to the Section Chairs and Co-Chairs for their timely and hard:

- AEM Chair Andrea Kirkwood
- AEM Vice Chair Steven Short
- II Chair Herve Le Moual
- II Vice Chair Sebastien Faucher
- MGCM Chair Shawn MacLellan
- MGCM Vice Chair Tracy Raivio

The education committee lead by Teri de Kievit and Denice Bay reviewed 31 abstracts and accompanying documents for the Student Symposium Competition. 17 additional abstracts were collected from Invited Speakers, bringing the total number of abstracts submitted to the AMS to 413.

Operation of the AMS was the smoothest since I took over as Meetings Secretary because of the strict deadline on abstract submission of Student competitions. The review of the student competition abstracts coincided with an extension of regular poster submission. This reduced the burden on the Section chairs.

Issues that should to be addressed by the incoming executive to improve functionality of the Abstract Management System (AMS).

1. The LOC chair has no means of reviewing poster abstracts submitted to the AMS. I believe a unique portal for a LOC chair person would be useful when the LOC wishes to select additional oral presentations in addition to those chosen by the Section Chairs. The portal would have no editing options; abstract numbers are forwarded by the LOC chairperson to the Meetings Secretary for editing from poster presentation to oral presentation.
2. Multiple and identical abstract submissions for Student Poster Competition, Student Symposium Competition and Regular poster sessions was reduced from past years but continues. A stronger message on our website informing students “Do Not Submit an Identical Abstract to Student Poster or Symposium Competitions to the Regular Poster Session”.

	Applied Environmental	Infection and Immunity	Cellular and Molecular	Unified theme	Row Sum
Poster Session I, II, III	144	83	111		338
Poster Competition	7	9	11		27
Student Symposium Competition	15	8	8		31
Column Sum	166	100	130		396
Invited Speakers	3	3	3	8	17
Grand Total					413

10. Meetings Conferences and Workshops

a) Report on 2016 Conference – Alexander Ensminger & Trevor Moraes & Wafaa Antonious

CSM 2016 Conference was hosted by the University of Toronto, and held from June 12 – 15, 2016. The Conference Co-Chairs were Drs. Alexander Ensminger and Trevor Moraes who hired the services of Mrs. Wafaa Antonious, CSM Secretariat and Rofail Conference and Management Services (RCMS) President to be the Conference Organizer. The program started on Sunday, June 12 with 3 workshops: 1) Undergraduate Education, 2) Professional Development and 3) NSERC. Followed by the opening address and the Fisher Award Lecture presented by Dr. Cezar Khursigara, University of Guelph then the opening reception that was hosted at the Historic Hart House. On Wednesday the 2 other CSM Award Lectures were presented: Armand-Frappier Outstanding Student Award, sponsored by Public Health Ontario – awarded to Ryan Gaudet, University of Toronto and CSM Murray Award for Career Achievement, sponsored by Canadian Science Publishing and awarded Dr. William Mohn, University of British Columbia.

Lunch, poster sessions and exhibits were all held at Hart House during the conference. A total of 20 exhibitors participated with a booth in the Great Hall in Hart House. A total of 6 commercial workshops were held at Hart House during the lunch/ poster session / exhibit time. 97 researchers participated in the CSM Conference on Monday, June 13 as part of the Infectious Disease Microbiology Research Day that included a full day Symposium and posters presentations. In addition over 525 participated in the CSM 2016 conference. Total of 17 countries plus Canada were represented in this conference. A total of 386 abstracts were presented (268 posters, 24 Poster Competition, 12 Student symposia Competition, 17 Section Symposia and 65 oral presentations at the 9 organized symposia and the Young Investigators Colloquium. The 9 Symposia titles were: (Monday) The Environment Selects; Microbial Systems Biology; Infectious Disease; (Tuesday) Polymicrobial Interactions; Structural Biology; Antimicrobials; (Wednesday) Microbial ecology; Cell biology & disease; Molecular microbiology. The Keynote speakers were Dr. Arturo Cassadeval from Johns Hopkins Bloomberg School of Public Health and Dr. Grant Jensen from California Institute of Technology in Pasadena, California.

The CSM 2016 Conference included several networking opportunities starting with the opening reception on Sunday, the Student Mixer on Monday; the iGEM Information Session and ASM/ CSM Student Networking on Tuesday and ending on Wednesday with the CSM President Banquet that was held at the Carlu. The President Banquet included lots of award Presentations starting with Dr. Susan Koval, University of Western Ontario, Honorary Membership Award acknowledging her long servitude and commitment to the society. Awards were presented to Dr. Charles Dozois, CSM Past President and Dr. Russell Hynes, Agriculture and Agri-Food Canada for his services as Meetings Secretary for 5 five years. The award presentations also included 2 Ambassador Awards, 6 Undergraduate Awards, 4 Student Symposia Competition Awards, 4 Terry Beveridge Poster Competition Awards and 12 University of Toronto Poster Competition Awards. Drs. Alex Ensminger and Trevor Moraes also acknowledged the efforts and support of the student volunteers who were an essential part of the success of the CSM 2016 Toronto Conference. The banquet included a nice sit down dinner and ended up with the conference delegates dancing the night away and enjoying each others' company.

10. Meetings, Conferences and Workshops

b) Report on 2017 Conference – Josh Neufeld & Laura Hug

Registration Fees	Fees	Actual #s as of 17 June	Actual Revenue	
Registration: Regular Member Early	400	100	40,000.00	
Registration: Regular Member Late	500	9	4,500.00	
Registration: Non-member Early	500	16	8,000.00	
Registration: Non-members Late	600	5	3,000.00	
Registration: Student / PD/ Emert/ Members - Early	275	214	58,850.00	
Registration: Student / PD/ Emert/ Members Late	350	10	3,500.00	
Registration: Studen/ PD/ Emert/ non-member - Early	325	60	19,500.00	
Registration: Student / PD/ Emert/ non-members Late	400	3	1,200.00	
Undergraduate - Early	200	31	6,200.00	
Undergraduate - Late	250	0	0.00	
Registration: Speakers, specials, accompanying person	0	17	0.00	
One day registration	225	3	675.00	
Professional Development Workshop - Early Fees	10	97	970.00	
Professional Development Workshop - Late Fees as of April 15	15	11	165.00	
FOME - Early fees	10	61	610.00	
FOME - Late fees As of April 15	15	13	195.00	
FOME(30 Prof Dev (1) only registration	50	4	200.00	
Cancellation fees	50	6	300.00	
Social Event Tickets - Guest - Opening reception	40	12	480.00	Total Reg Fees
Banquet Tickets - Guest	85	8	680.00	Total Social Events
Banquet Tickets - Reservation fees	10	342	3,420.00	
Student Mixer (not included in the registration fees)	10	185	1,850.00	Actual paid registrants
Artist booth			450.00	
Exhibitors (booth)	1500	17	25,500.00	
2nd booth / workshop	1000	4	4,000.00	

\$147,865.00

\$6,430.00

448

Note:

Awards

Fisher	\$1,500.00
Murray - Confirmed	\$2,000.00
ASM	\$650.00
Cedarlane	\$750.00
CCM	\$800.00
Beveridge - confirmed	\$1,500.00
ISME 8 - confirmed	\$2,000.00
CSP - Student Symposium & Travel	\$1,250.00
Roger Knowles PD Prize	\$500.00
	\$10,950.00

Revenue	As of 17 June, 2017
Registration	\$147,865.00
Social Events Tickets	\$6,430.00
Exhibitors (booth & workshops rentals)	\$29,950.00
Sponsorship	\$25,950.00
Miscellaneous Income	\$500.00
Awards Support	\$10,950.00
Total Revenues	<u>\$221,645.00</u>

EXPENSES	
Keynote Mixer	11,250.00
Opening Mixer (all expenses - cost per person) \$847 Balloon Artist decoration and entertainment at the opening reception.\$15,900	16,900.00
Federation Hall & PAC Rental, \$500 discounted rate for the reception because of the food, PAC rental: 1309+1870+2431+cleaning \$1,500	7,110.00
Banquet, entertainment, food, cost per person for 344	22,805.50
Graduate Student Mixer on campus, \$400 room rental & prize	6,000.00
FOME \$952 & Prof devel.\$785 Workshop Food & Beverage	1,737.00
Meeting Planner Fees based on 464 registrants	25,420.00
310 Padded Chairs & 25 (8' rounded tables) rental and setup from Hahn & 36 (8' rectangle table for booth, rounded tables, linen, Cruiser tables Feds Hall & STC Lobby (Keynote Reception).	2,681.00
Physical Activities Complex rental	5,000.00
Education Workshop& Prof Development workshops	1,737.00

lunch X 3	26,489.00
Coffee Breaks (5 breaks)	18,000.00
Poster Boards 60 @ \$25 double sided for 3 days. 4' X3' - Assuming 360 posters	1,500.00
Velcro, 14 dots/ft @\$1.50 ea. Need 180 ft, order 200	225.00
Stationary, printing, postage, advertising, signage t-shirts, frames, etc, gift to volunteers	4,996.37
Exhibitor expenses: tables, chairs, skirted table, curtained booth for 18 booth	1,854.00
Miscellaneous	1,750.00
Speaker Travel & Accommodation	18,900.00
<u>CSM Business Expenses:</u>	
CSM Executive & Council Meeting room Rental	0
CSM Executive Meeting: coffee and muffins, etc.	105.00
Council Meeting lunch	215.00
Volunteer Appreciation Expense (at the discretion of the LOC to thank their volunteers for assisting) Depending on final financial outcome	1,800.00
Awards (Murray, Fisher, Armand-Frappier, Roger Knowles)	5,000.00
Student competitions and travel Awards	5,000.00
Credit Card discount fees	5,000.00
Website & Alerts	2,500.00
Other Expenses(swags) bag, notepad & pen (470 bags at \$7.03 ea. will be \$3,304+050) + 500 water bottles@2.30 ea. (5,538 + Note pads & pens \$750	6,288.00
Board (when needed) and secretariat travel to the conference including the Executive dinner	1,750.00
Lecture halls rental at STC & AV	250.00
TOTAL EXPENSES	200,525.87
Net Profit based on Actual Revenue	\$21,119.13

Please note that the speakers' expense fees are expected to come in much lower given the location from which the speakers are traveling from and number of days they are planning to attend.

Lunches, poster sessions and exhibits will be held at the Physical Activities Complex (PAC) over three days. A total of 18 exhibitors will be participating with booths, including two artists who are sharing a booth. Four workshops running for 30 minutes each are scheduled in the PAC (small gym) over Wednesday & Thursday. No workshops were scheduled on Friday as it is the start of St. John Baptist long weekend in Quebec and we anticipate lower attendance that day. The workshops will start an hour into lunch to allow our delegates enough time to have lunch then go to the workshops, Workshops will be presented in the small gym, which is adjacent and connected to the large gym where the other activities are taking place.

An exhibitor passport will be available again this year after its success last year – once a stamp from each booth has been collected, the passport will be entered in a draw for a prize.

Poster presentations are staggered, with odd and even numbered poster presenters allotted different times to be by their posters – hopefully this will reduce crowding and allow presenters to view other posters from that day. The poster competitions are scheduled for Wednesday only.

International Registrants

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

...and 440 from Canada.

Abstracts and presentations: A total of 12 countries plus Canada will be represented at this conference. A total of 403 abstracts will be presented (302 posters, 19 poster competition), compared to 386 presented at the 2016 CSM University of Toronto Conference. A total of 101 oral presentations are scheduled as follows: 12 student symposia competition, 18 section symposia, 6 in the post doctoral research symposium, 3 award and 2 keynote lectures. The twelve concurrent scientific sessions include 12 invited speakers and 48 talks selected from submitted abstracts, and will be presented on Wednesday and Thursday mornings. Several of the selected abstract presenters have chosen to present a poster as well as their talk. New to this year's conference are unified theme symposia, which make up three of the twelve concurrent sessions.

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

Keynotes, events, and receptions: We will end our first day with an opening keynote lecture which will be given by Ed Yong, Science writer for the Atlantic. His first book "I Contain Multitudes" which looks at the amazing partnerships between animals and microbes was on the 2016 New York Times bestseller list. We will have 2 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 will offer food & drinks after the keynote till 9:30 pm.

- A welcome reception will be held in Fed Hall on Wednesday June 21st after the first day of regular sessions.
- The student mixer will be held on Thursday June 22nd on campus.
- The Presidential Banquet will be held at the Concordia Club (Kitchener; 15 min drive), which can host all participants with a variety of festivities that celebrate the German heritage of the Waterloo Region (e.g., keg tapping, traditional band, schnitzel).

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 has been lowered from \$25 to \$10 to make it more affordable for students to participate and it is being subsidized by the \$10 collected as reservation fees for the banquet.

Inaugural Knowles Prize: An initiative was started this year by Josh Neufeld, approaching his fellow alumni from the Roger Knowles lab to provide funds in honour of Roger Knowles. Over \$4,300 has been collected to secure the Knowles Postdoctoral Research Prize for 8 years. An agenda item has been 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.

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 the various hotels in Waterloo.

LOC: The local organizing committee consists 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 includes Gabriel Moreno-Hagelsieb and Robin Slawson from Wilfrid Laurier University. 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 volunteer coordinators Ashley Ross, Mark Lubberts, & Briallen Lobb for organizing the student mixer and coordinating an army of student volunteers.

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

10. Meetings, Conferences and Workshops

c) Report on 2018 Conference – Ivan Oresnik & Ayush Kumar

The planning for CMS 2018 annual conference is underway. The local organizing committee consists of myself, Karen Brassinga and Ayush Kumar. In addition, the department as a whole is enthusiastic in assisting us in planning this conference. We intend to enlist Michael Mulvey (National Microbiology Laboratory) and Annemieke Farenhorst (Dept. of Soil Science, CREATE H2O) to help us with the scientific program. Others will be enlisted as well to augment and diversify interests in the scientific program. We intend to retain the services of Wafaa Antonious as conference organizer. A local coordinator, Stephanie Carter, will assist Wafaa Antonious.

The rooms for the award lectures, keynote lectures, student oral competition, post-doctoral research fellow symposium and concurrent sessions are in the process of being secured. Tache Hall is currently in the finishing stages of extensive renovations which includes the construction of a 500-seat auditorium which would be ideal for the single time-slot events. Concurrent sessions will most likely be held in St. John's College located nearby (~5-7 minute walk). Poster sessions and vendor exhibits will most likely be held in the multi-purpose room (~9000 square feet) in University Centre (located equidistant between Tache Hall and St John's College) with patio access. University conference services will be contracted to cater coffee breaks, lunch and receptions. Banquet will most likely be held at the Canadian Museum of Human Rights located in the Forks area of downtown Winnipeg. Bus transport will be provided to and from the banquet. Evening visits to the Polar Bear exhibit and other attractions of interest are also being planned. The grad student mixer will be enthusiastically planned by departmental graduate students.

Themes for the scientific program include but not limited to antimicrobial resistance, microbial genetics/ecology/physiology, structural biology, microbial-host interactions, bio-control, virology, indigenous health and water security, biosystems engineering, applied and industrial microbiology, and bioinformatics. Visits to the NML will be organized and offered but with an attendance cap - ~12 people per 90 minute tour.

Rooms are in the process of being secured. Residence room options include the newly constructed Pembina Hall residence (private room and washroom), Mary Speechly Hall (private room with shared washroom facilities), and Arthur V. Mauro Residences (suite of two private rooms with a shared washroom and kitchenette). Hotel room options include nearby hotels Four Points Sheraton Winnipeg South, Canada Inns Destination Centre, Holiday Inn South, and Best Western.

Sponsorships will be pursued from the various companies and organizations including but not limited to Fisher Scientific, Life Technologies, VWR, New England Biolabs, Sigma Aldrich, Cedarlane, Life Sciences Association of Manitoba, Research Manitoba, CIHR, City of Winnipeg, Province of Manitoba, Manitoba Hydro, Public Health Agency, University of Manitoba, 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.

This year I worked on identifying the 2021 meeting host. From this year's Waterloo, the meeting goes to Winnipeg, Sherbrooke, and then Guelph. From 2005 to 2016, the meetings were hosted by Halifax, London, Québec City, Calgary, Montreal, Hamilton, St. John's, Vancouver, Ottawa, Montreal (IUMS), Regina, and Toronto. The meeting did not go to Maritime provinces since 2011 in St. John's. Thus I contacted with microbiologists in Dalhousie University if they will volunteer to host the meeting of 2021. Dr. Nikhil Thomas (N.Thomas@Dal.Ca) leads a group of microbiologists in Dalhousie to kindly host the meeting of 2021 in Halifax.

Accordingly the sites for the Annual General Meeting for the Canadian Society of Microbiologists have been set through to 2021. Also during the talks in future host possibilities last year, a microbiologist group of McGill University showed their interests to host a meeting in future. I will continue to talk with them and other groups to find the host of 2022 in the coming year.

2018 University of Manitoba, Winnipeg, Manitoba, contact parson, Dr. Ivan Orsenik, ivan.oresnik@umanitoba.ca

2019 Université de Sherbrooke, Sherbrooke, Québec, contact parson, Dr. Vincent Burrus (vincent.burrus@usherbrooke.ca)

2020 University of Guelph, Guelph, Ontario, contact parson, Dr. Cezar Khursigara (ckhursig@uoguelph.ca)

2021 Dalhousie University, Halifax, Nova Scotia, contact parson, Dr. Nikhil Thomas (n.thomas@dal.ca)

2022 Possibly McGill University, Queen's University, University of Alberta, Western University

11. Student Representative Report – Rhiannon Wallace

Graduate Student Representative

One of the larger accomplishments for the CSM students was updating the student representative list. Presently we have 36 active student representatives, of those, 15 are new this year. 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 should consider nominating a student(s) for the representative position at their

institution if there is a vacancy. In conjunction with the Graduate Student Representative, the University and Institutional Student Representatives:

- promote the CSM student award competitions;
- encourage student membership in the CSM;
- encourage participation of graduate students at the AGM;
- encourage input from graduate students to the activities of the CSM.

To better communicate with the CSM student representatives a Google group has been created to facilitate CSM related dialogue throughout the year.

In terms of social media for the CSM, the Facebook page has served primarily as an avenue to promote the society to new members, advertise jobs, and the annual conference. A selection of photos from last year's annual conference in Toronto, 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 has agreed to take the lead on the CSM Twitter account moving forward. This will be a huge help as managing both social media accounts and posting content on a regular basis is difficult for a single person.

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.

As I near completion of my PhD at UBC Okanagan I will be stepping down as the Grad Student Rep for the society in Spring of 2018. I look forward to my final year working with all the student reps and executive, promoting student awards and finding new ways to engage microbiologists on social media!

12. New Members of the Executive & Council

Janet Hill, 2nd Vice-President 2017 - 2018



Janet Hill is a Professor in the Department of Veterinary Microbiology at the University of Saskatchewan. She was born in Toronto. Dr. Hill received her B.Sc.H. in Biology and Ph.D. in Microbiology at Queen's University, followed by postdoctoral training at the University of Illinois and the National Research Council. Her graduate and postdoctoral studies included insect and plant virology, human parasitology, molecular diagnostics and bioinformatics. Dr. Hill's research interests are in the area of microbial diversity and ecology, and the role of complex microbial communities in animal and human health. She also conducts research and diagnostic investigations of veterinary infectious disease. Dr. Hill is a developer of DNA barcoding approaches based on the universal cpn60 gene and her lab is the home of cpnDB, a public database of chaperonin sequences. Dr. Hill is an enthusiastic teacher and research mentor of undergraduate and graduate students. She joined the CSM in 1992.

University of Saskatchewan
Department of Veterinary Microbiology
52 Campus Drive
Saskatoon, SK S7H0H3

306-966-7242

Stefanie Vogt, Post-Doctoral Representative 2017 - 2018

Stefanie Vogt is a postdoctoral fellow in the lab of Dr. Brett Finlay at the University of British Columbia. Her research interests centre on understanding how bacterial pathogens survive life in the challenging conditions of the mammalian gut. Her current research projects include examining how enterohemorrhagic *E. coli* senses and responds to the gut microbiota, elucidating the size and cause of *Citrobacter rodentium* population bottlenecks during colonization of the mouse gut, and determining how the *C. rodentium* Cpx envelope stress response promotes host infection. Stefanie received a PhD in Microbiology & Biotechnology from the University of Alberta in 2013 and an MSc from the University of Calgary in 2008.



Note to the Council

Chris Yost will continue serving on the Executive but as the Meetings Secretary. He had to step in when Martin Chenier resigned his position as Meetings Secretary and co-chaired this position with Russell Hynes who is appreciatively accepted to step back into the Meetings Secretary position. Chris Yost submitted an application for the Meetings Secretary Position and no other nominations were received.

13. Reports from the Section

**a) Applied & Environmental Microbiology (AEM) – Andrea Kirkwood, Chair
Steve Short &, Vice Chair**

The AEM section received a total of 185 abstracts for poster- or oral-platform consideration at this year's CSM conference at the University of Waterloo. This is up significantly from last year's conference, which had 116 abstract submissions. Out of 185 submissions, 162 abstracts have been accepted into the program schedule. The AEM section Chair and Vice-Chair were responsible for selecting abstracts for: (1) the student poster competition; and (2) presentations for the AEM oral-session. Only 7 submissions opted to be considered in the student poster competition this year. After reviewing them for quality and completeness, they were all accepted. Abstracts for oral presentations were selected based on several criteria, including research area, gender balance, and geographic representation. Although the final cut of 6 oral-presentation abstracts favoured central Canada, gender-balance and a good mix of topics was achieved. Last year the AEM section chairs recommended that in addition to a regular abstract, there should be the inclusion of an extended-abstract for student-poster competitions. This made sense at the time due to the relatively high number (30) of competition abstracts last year. It was thought that an extended abstract would provide more information, including data visualization, to adequately and fairly select a small sub-set of posters for the competition. Additionally, an earlier submission deadline for the extended-abstracts was recommended to allow more time to review the submissions. However, based on the low-submission count for the student poster competition this year, it is possible that the extended-abstract requirement and/or the earlier submission deadline may have deterred many students from entering the competition. There also may have been some confusion with submitting both an extended and regular abstract. Moving forward, it is recommended that the extended-abstract requirement for student poster competitions be re-visited, and perhaps improved by further streamlining the instructions and rationale for students. Steven Short will now become the Chair of the AEM Committee and a new member is needed to fill the Vice-Chair position.

13. Reports from the Section

b) Infections and Immunity (II) – Hervé LeMoual, Chair Sebastien Faucher, Vice Chair

CSM members from the Infection and Immunity section submitted close to 100 abstracts to the CSM 2017 Waterloo Conference. Nine (9) abstracts were submitted for the Student Award Poster Competition: after review 5 were recommended for the competition. All other abstracts were reviewed and all were accepted. Five (5) of them were further selected for oral presentation in the Infection and Immunity section symposium. This selection was particularly challenging due to the number and overall high quality of the abstracts received this year.

13. Reports from the Section

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

For the 2017 67th Annual conference in Waterloo, the MGCM section received a total of 117 poster abstract submissions. These were reviewed and all were accepted. 11 entrants indicated an interest in the poster competition and 8 of these were accepted and advanced to the poster competition. 6 submissions from the 117 poster abstracts were selected for oral presentations in the Section Symposia. Finally, from a group of 5 candidate abstracts, 2 were selected to participate in the Postdoctoral Symposia (CSM Knowles Postdoctoral Research Prize).

14. Reports from Committees

a) Education and Career Committee – Drs. Teresa (Teri) de Kievit & Denice Bay

For the **2017 poster competition**, there were 27 entries received which is considered to be slightly below average in comparison to previous years' competitions (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, 7 abstracts were submitted to A&E, 9 to I&I and 11 to MGCM. For this year's competition, poster PDF files will be sent to Teri de Kievit for distribution to the appropriate section judges. We would like to thank the chairs and the 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. For the **2017 oral symposium competition**, there were 31 entries received (compared to 48 for 2016 - Toronto; 16 for 2015 Regina; 34 for CSM/IUMS 2014 Montreal; 22 for CSM 2013 Ottawa). Comprising the 31 entries were 15 for the AEM category, 8 for the II category, and 8 for the MGCM category. The 4 best abstracts from each category were selected by Ann Cheeptham, Dawn Bignell, Joseph Lamire, Denice Bay and Teri de Kievit based on the extended abstract submissions. The **judges** for the symposium will be CSM members (faculty) selected from the CSM registrant list. We are grateful for the willingness of these individuals to contribute to the judging 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. For the **CSM Undergraduate Award competition**, 7 nominations were received this year of which 6 were selected/awarded to:

1. Vivian Cheng (University of British Columbia)
2. Felix Croteau (Laval University)
3. Breanne McAmmond (Thompson River University)

4. Rachel Beaver (University of Waterloo)
5. Jesse MacAlpine (University of Toronto)
6. Julia Szusz (Wilfred Laurier University)

For the **CSM Graduate Ambassador award**, 1 application was received and awarded this year:

1. Elizabeth Polvi, U of Toronto

Three **ISME-8 travel awards** will be offered this year to help offset the travel-associated costs of students whose research lies in microbial ecology (at least one student must be from the Atlantic Canada provinces). The students will be selected from the CSM participant list. **Committee membership** –Denice Bay & Teri de Kievit will remain as Co-Chairs. Josh Neufeld will return after a 1-year hiatus as role of Conference Co-Chair for the 2017 meeting. Education committee members Naowarat, Dawn and Joseph have been contacted to see if they are willing to remain on the committee. **Changes that were implemented in 2017:** Extended abstracts were required as part of the poster competition to facilitate judging the potential quality of science and associated data displays. This change significantly reduced the number of entries that require judging (from 96 in 2016 to 27 in 2017). Hopefully, in future years the entries will increase as students become aware of these new requirements and the early deadline. Deadline for receipt of extended abstracts (for the oral and poster competitions) was changed to **7 days in advance** of the normal registration deadline (April 1). This change ensured that individuals wishing to participate in the competitions were processed quickly and not held up in the bottleneck that normally occurs at the registration deadline. The advanced deadline enabled early adjudication of abstract submissions, allowing those not chosen for the poster competition to be redirected into the general pool from which short (15-minute) oral presentations are selected. Changes to the CSM Undergraduate Award competition: i) students are no longer able to self-nominate, rather a nomination from an academic (professor, lab instructor, etc.) is required; ii) only one student can be nominated by any one faculty member; and iii) students nominated for the award must be members of the CSM at the time of nomination (\$15 cost for a undergrad member; consistent with the requirement for “student engagement with the CSM”). A career development workshop will be held the morning of June 20th, including the following 3, 45-minute sessions: *“Tips and Tools for Applying Graphic Design in Science Presentation and Research”* Denice Bay, University of Manitoba *“Bench and Beyond: Identifying Skills and Career Directions for Biologists”* Christine Kampen Robinson, University of Waterloo *Panel discussion featuring the following participants:* 1. Lori A. Phillips Ph.D. - Research Scientist-Microbial Ecology/Science & Technology Branch Agriculture and Agri-Food Canada/Government of Canada
2. Nancy Tout, Ph.D. - Head of R&D Syngenta (Canada)
3. Michael Wakem M.Sc. - Genomics Instrument Specialist II Bio-Rad Laboratories | Canada Ltd.
4. Ed Yong, M.A.- Science Writer for the Atlantic; New York Times bestselling author of “I Contain Multitudes”.

14. Reports from Committees

b) FOME Report – Tanya Noel & Josie Libertucci

This is the third consecutive year that CSM FOME has been offered as a preconference workshop prior to the annual CSM meeting. This year has been our most successful year to date! We would like to thank Wafaa for all her hard work and help. This year Wafaa added both the CSM FOME workshop and the professional development workshop to the registration form, which made it easier for CSM members to attend the workshop, and provided extra visibility of CSM FOME to CSM members. We would also like to thank the CSM executive for their continued support, particularly past president Chris Yost. A sincere thank you goes to the CSM 2017 conference organizers Josh Neufeld and Laura Hug.

We are pleased to report that this year we had a record number of proposals submitted for presentation – this is the first year we had to reject proposal submissions for presentation. This year, we also have the highest attendance to date at 72 participants (as of May 16, 2017). This year we added a small fee for the workshop to those attending the CSM conference (\$10 before April 15, \$15 after). For individuals only attending CSM FOME, a \$50 fee was charged, this was continued from last year. Seventy individuals attending CSM FOME are also attending the CSM conference, 59 individuals paid prior to April 15 (\$10 + HST x 59, \$666.70) and 11 individuals paid after April 15 (\$15 + HST x 11, \$186.45). Two individuals are attending CSM FOME but not the conference (\$50 + HST, \$113.00). This year CSM FOME fees resulted in a total of \$966.15.

CSM FOME will be offered at CSM 2018 in Manitoba. For 2018, we would like to discuss with the LOC the possibility of extending the workshop (e.g., to a full-day session). We plan to increase our visibility through having a CSM FOME section page on the CSM website, with a link to a dedicated CSM FOME website (outside of the CSM site), and have drafted plans for website content. We will continue to work towards making CSM FOME sustainable by forming a committee, with the intent of identifying new co-chairs for the future.

14. Reports from Committees

c) Awards Report

This is the third consecutive year that CSM FOME has been offered as a preconference workshop prior to the annual CSM meeting. This year has been our most successful year to date! We would like to thank Wafaa for all her hard work and help. This year Wafaa added both the CSM FOME workshop and the professional development workshop to the registration form, which made it easier for CSM members to attend the workshop, and provided extra visibility of CSM FOME to CSM members. We would also like to thank the CSM executive for their continued support, particularly past president Chris Yost. A sincere thank you goes to the CSM 2017 conference organizers Josh Neufeld and Laura Hug. We are pleased to report that this year we had a record number of proposals submitted for presentation – this is the first year we had to reject proposal submissions for presentation. This year, we also have the highest attendance to date at 72 participants (as of May 16, 2017). This year we added a small fee for the workshop to those attending the CSM conference (\$10 before April 15, \$15 after). For individuals only attending CSM FOME, a \$50 fee was charged, this was continued from last year. Seventy individuals attending CSM FOME are also attending the CSM conference, 59 individuals paid prior to April 15 (\$10 + HST x 59, \$666.70) and 11 individuals paid after April 15 (\$15 + HST x 11, \$186.45). Two individuals are attending CSM FOME but not the conference (\$50 + HST, \$113.00). This year CSM FOME fees resulted in a total of \$966.15. CSM FOME will be offered at CSM 2018 in Manitoba. For 2018, we would like to discuss with the LOC the possibility of extending the workshop (e.g., to a full-day session). We plan to increase our visibility through having a CSM FOME section page on the CSM website, with a link to a dedicated CSM FOME website (outside of the CSM site), and have drafted plans for website content. We will continue to work towards making CSM FOME sustainable by forming a committee, with the intent of identifying new co-chairs for the future.

CSM Murray Award for Career Achievement – Rachel Fernandez

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 2017 Murray award committee comprising Drs. Janet Wood, Bill Mohn, and Rachel Fernandez (chair) met via teleconference on May 3, 2017 to select this year's recipient. There were 6 excellent nominees this year and after considerable discussion Dr. Sylvain Moineau was selected, unanimously, as this year's Murray Award recipient.

Dr. Sylvain Moineau is a Professor in the Department of Biochemistry, Microbiology and Bioinformatics at Laval University, and a Canada Research Chair (Tier 1) in Phage Biology. Dr. Moineau has made substantial contributions to our understanding of bacterial defenses against phages including seminal advancements to our understanding of the CRISPR-Cas system that have led to practical applications of this system, making it the powerful technology that it is today. In addition to his outstanding contributions to understanding phage biology, Dr. Moineau serves the international community in curating the Felix d'Herelle Reference Centre for Bacterial Viruses.

Fisher Scientific Award – Chris Yost

In my capacity as Past President of the CSM I was the Chair of the CSM Fisher Young Investigator Award Selection Committee for 2017. The committee was comprised of the CSM Past President (Chair), CSM Meetings Secretary, Chair of the CSM Education Committee (in 2017 there were co-chairs for the Education Committee who held a single vote) and two Editors from the Canadian Journal of Microbiology. There were two very strong nominations submitted for the 2017 CSM Fisher Award. The committee had a very challenging task due to the outstanding applications for both nominees. The committee was very impressed by the scientific accomplishments of both nominees but ultimately had to make a decision in the selection. The committee was unanimous in their decision to select Dr. Étienne Yergeau as the 2017 CSM Fisher Scientific Young Investigator Award winner.

Armand-Frappier Outstanding Student Award – Ivan Oresnik

Will be presented orally.

15. Reports from Representatives to outside organizations

- a) **Canadian Journal of Microbiology, 2016-2017**
Chris Yost and Kari Dunfield, Co-Editors

Kari Dunfield and Chris Yost, Co-Editors in Chief

The *Canadian Journal of Microbiology* (CJM), published by Canadian Science Publishing (CSP), is the only journal in Canada publishing original research in general microbiology and maintains a close association with the Canadian Society of Microbiologists. This update covers the period of 2016-2017:

- On July 1, 2016, Drs. Chris Yost and Kari Dunfield took over the roles of co-Editors-in-Chief from Drs. Jim Germida and Anthony Clarke.
- On November 4, 2016, at CSP's Annual Editors' Meeting, the role of Executive Editor-in-Chief passed from Dr. Bruce Dancik to Dr. James J. Germida.

- In Fall 2016 The Canadian Journal of Microbiology began transitioning to a newly structured editorial board. The intention was to improve the review process and facilitate the publication of high quality manuscripts. The proposed new Board structure is used successfully by other microbiology scientific journals, such as ASM journals. The board will include Co-Editors-In-Chief, Editors, and Editorial Board Members. There is a significant representation of CSM members in our Editor and Editorial Board (A list has been included at the end of this report). We continue to recruit members of the Editorial Board.
- CJM re-organized the topic sections as follows: *Applied Microbiology & Biotechnology*; *Microbial Ecology*; *Microbial Structure, Physiology & Metabolism*; *Virology, Genetics & Molecular Biology*; *Infection & Immunity*; *Fungi & Other Eucaryotic Protists*; *Microbiological Methods*.
- The Co-Editors in Chief have the opportunity 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 are freely available while the paper is highlighted on the home page. The 2016 *Editor's Choice Papers* was- [Enriching acid rock drainage related microbial communities from surface-deposited oil sands tailings.](#) Courtney Dean, Yeyuan Xiao, and Deborah J. Roberts
- *CJM* has an active Facebook page with 2,255 likes (as of April 18, 2017). E-first, Editor Choice papers, press releases and other articles of interest are posted to the *CJM* Facebook page (<https://www.facebook.com/CanJMicrobiology/>). *CJM* content is also shared on the CSP Twitter and Facebook page. In 2017, the social media team at CSP will be exploring the possibility of a *CJM* Twitter account.
- In November 2016, Dr. Gregor Reid was inducted into the Royal Society of Canada. To celebrate Dr. Reid's appointment to the Life Sciences division of the Academy of Science, the Editors-in Chief asked Dr. Reid to write a synopsis of his research contributions in the field of probiotics. The development of Probiotics for Women's Health, *Canadian Journal of Microbiology*, 2017, 63(4): 269-277, <https://doi.org/10.1139/cjm-2016-0733>
- 2016 Reviewer Awards: The Editorial Team of Canadian Journal of Microbiology extends sincere thanks to the following individuals who over the last year have consistently and expeditiously delivered comprehensive, discerning reviews to the Journal's authors:

Anthony Clarke (U of Guelph), Antonio Bevilacqua; Trudy Jansen, (*Stellenbosch University*, South Africa); [Cezar M. Khursigara](#), (U of Guelph); [Blazenka Kos](#), Department of Biochemical Engineering, *University of Zagreb*; [Shawn R. MacLellan](#), Department of Biology, *University of New Brunswick*; Azadeh Namvar; [Paula O'Connor](#), *Teagasc Food Research Centre*, Ireland; [Senaka Ranadheera](#), *Victoria University*; Jennifer Ronholm, McGill University; [Franck Stefani](#) *Agriculture and Agri-Food Canada*; [Emma Allen-Vercoe](#) (U of Guelph); Keith Warriner (U of Guelph); Zhang Zhigang

Publication and General readership statistics for 2016-2017:

A total of 811 manuscripts were received for review, of which 570 were rejected without review; of the remaining 241 manuscripts 99 were accepted/published (Note, numbers are unofficial until CSP confirms). Average time from manuscript submission to first decision was 18.4 days (2016). For comparison: 19.5 days (2015), 18.9 days (2014); 17.6 days (2013); 22.2 days (2012). See Appendix A.

Ongoing association with the CSM/SCM:

CSP continues to have a good relationship with the Canadian Society of Microbiologists in the form of a formal MOU. The MOU covers areas such as co marketing and promotion, discounts to CSP publications (including CJM), free colour, a deeply discounted open access fee of \$1000 for CSM members (regular price \$3000), annual support of the CSM Murray Award for Career Achievement (\$2000), and other sponsorship opportunities that may arise. In exchange, CSM encourages their members to publish in CJM. CSP feels that the involvement of CSM is important for the future success of CJM.

Awards, Sponsorships, and Exhibits:

- CSM 2017 Annual Meeting Platinum sponsor
- CJM/CSM Murray Award
- CSM exhibit booth (attended by Brenda Tryhuba)
- 16th International Symposium on Microbial Ecology (ISME 2016) session sponsorship
- Infection and Immunity Research Forum in London, ON

The CJM and CSP were pleased to sponsor the CSM-Murray Award for Career Achievement presented to Dr. William W. Mohn at the 2016 CSM meeting in Toronto. We are committed to continued sponsorship of the CSM-Murray award. In the past articles based on CSM award lectures are well received by the readership of the Journal, consistently ranking among the most-read papers of the year. We are in contact with Dr. Mohn about submitting a paper to CJM.

The 2015 CSM-Murray Award paper has been published: Mark A. Wainberg, Ying-Shan Han, Thibault Mesplède Might Dolutegravir. 2016. Be Part of a Functional Cure for HIV? Canadian Journal of Microbiology, 62(5): 375-382, 10.1139/cjm-2015-0725.

- **Editors (as of June 2017)**

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. Fillion (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**

A. Kirkwood (University of Ontario Institute of Technology, Oshawa, ON)
D. Ogunremi (Canadian Food Inspection Agency, Ottawa, ON)
T. O. Rahube (Botswana International University of Science and Technology, Palapye, Botswana)
A. Walker (Acadia University, Wolfville, NS)
L. Jewell (Agriculture and Agri-Food Canada, St John's, NL)
F. Veyrier (Institut Armand-Frappier, Laval, QC)
J. Harel (U of Montreal, Montreal, QC)
J. Weadge (Wilfrid Laurier, Waterloo, ON)
T. De Kievit (U of Manitoba, Winnipeg, MB)
B. Mark (U of Manitoba, Winnipeg, MB)
K. Liljebjelke (U of Calgary, Calgary, AB)
J. Ronholm (McGill University, Montreal, QC)
M. Sheng (Northwest A&F University, China)

15. Reports from Representatives to outside organizations

b) International Union of Microbiological Societies Representative – Charles Dozois.

With regards to the IUMS, I am still the Canadian representative of the BAM (Bacteriology and Applied Microbiology) division. I have not been involved with aspects of organization of any other meetings or activities involving IUMS since we held our meeting in Montreal in 2014 as a joint meeting with CSM, other than generating final reports concerning that meeting. As the IUMS meetings occur every three years. This year, there will be another IUMS meeting, which will be held in Singapore from July 17-21, 2017. I will not be attending this meeting.

15. Reports from Representatives to outside organizations

c) International Committee on Taxonomy of Viruses – Andrew Lang

Proposed changes to the official virus taxonomy from the past year underwent a ratification vote in March 2017. The current virus taxonomy, discussions, taxonomic proposals, and ICTV news can always be found on the ICTV website (<http://talk.ictvonline.org/>). At this site you can also subscribe to the ICTV email newsletter. An important development this year is that the current (10th) ICTV Report and the ICTV 9th Report are now available online and open access from the ICTV web site: <https://talk.ictvonline.org/ictv-reports/>. This was made possible through funding obtained by the ICTV Executive Committee from the Wellcome Trust. Another important development was the decision to allow viruses that have been discovered through metagenomic studies to be classified within the official ICTV taxonomy. The ICTV convened a special workshop on the issue in June 2016 and a Consensus Statement article was then published to present this to the community (Simmonds *et al.* 2017. Virus taxonomy in the age of metagenomics. *Nature Reviews Microbiology* 15: 161-168). The ICTV will be holding a Plenary Session at the upcoming International Union of Microbiological Sciences (IUMS) in July 2017, in Singapore. At this Session attendees can meet the Executive Committee, hear reports of ICTV activity over the last three years, and participate in elections for positions on the Executive Committee for the period 2017-2020.

15. Reports from Representatives to outside organizations

d) Biological & Chemical Defense Review Committee of DND – Julia Foght

I hereby submit to the CSM-SCM a report on the activities of the Biological and Chemical Defence Review Committee (BCDRC) for the period April 1, 2016 – March 31, 2017. In this reporting period the BCDRC comprised Dr. Pierre Potvin (York University; representing the Canadian Society for Chemistry), Dr. Heather Durham (Montreal Neurological Institute; representing the Society of Toxicology of Canada), and Dr. Julia Foght (University of Alberta, Professor Emerita; representing the Canadian Society of Microbiologists, and Chair). The Executive Officer is Brigadier General (ret'd) James Selbie. Our arm's-length website can be found at <http://www.bcdrc.ca/> with links to our formal, public reports. Publication of the 2016 Report on that site will occur after completion of responses by the Minister of National Defense. The mandate of BCDRC is to provide an independent, third-party review of the Biological and Chemical Defence (BCD) research, development and training activities undertaken by the Department of National Defence (DND) and the Canadian Armed Forces (CAF) with a view to assessing whether these activities are defensive in nature and are conducted in a professional manner with minimal risk to public safety or the environment. Recent conflicts reported in the news involving the use of biological toxins, documented use of chemical weapons, and potential use of biological agents makes the Committee's work ever more important and relevant. Between April 2016 and March 2017 the BCDRC completed numerous visits and inspections at DND establishments, Defence Research and Development Canada (DRDC) sites and other institutions involved in BCD research. Among the Committee's diverse activities, those particularly relevant to microbiology included: • Three days at DRDC–Suffield Research Centre (Suffield, AB), including an overview presentation by the Centre Director;

numerous briefings and tours of facilities; inspection of the Bio-Safety Level II (BSL II) lab; briefings and a visit to the Counter Terrorism Technology Centre; review and discussion of the Biological Safety Program; the annual inspections and verification of bacterial, viral and toxin stocks held in the BSL III and BSL II laboratories, and discussion of inventory reduction procedures; review of all BCD contracts awarded to outside agencies and briefings by two research contractors; review of Material Transfer Agreements to or from other agencies, including tracking procedures; review of Animal Use Protocols; various laboratory visits and presentations by defence scientists; review and discussion of the discovery and safe disposal of munitions at CFB Suffield; and meetings with the chair of the Biohazard Safety Committee, among others; • A visit to the Canadian Food Inspection Agency (CFIA) laboratory in Lethbridge, AB, where we toured the facilities and were informed about research impacting the security of Canada's food supply network including rapid detection and identification of biothreat agents; • A visit to 2 Air Expeditionary Wing in Bagotville, QC, including discussions with the Wing Commander and CBRN subject matter experts on their BCD preparedness; • Tours and discussions of BCD research being conducted at DRDC Valcartier Research Centre near Québec City, QC regarding surveillance, detection and monitoring of BC materials; • Presentations, discussions and a tour of relevant BCD research facilities at the Royal Military College in Kingston, ON; • Discussions, tours and observation of a training exercise at the Canadian Joint Incident Response Unit (CJIRU-CBRN) in Trenton, ON; • Three days in Ottawa for briefings by members of the National Defence Headquarters and Global Affairs Canada (formerly the Department of Foreign Affairs, Trade and Development); by the Chief of Defence Intelligence and discussion of various biological warfare agent threat issues; by the Chief of Force Development for BCD policy and doctrine; by CAF Health Services Group Headquarters on issues and international collaborations relevant to development of BC agent medical countermeasures; and also the Centre for Security Science; and debriefing of the Committee's activities and observations at the DRDC Corporate Office; • Participation of two committee members as observers at Exercise PRECISE RESPONSE, a NATO training activity conducted at the Counter-Terrorism Technology Centre (Suffield, AB) to develop capacity for sampling, detecting and identifying CB agents and decontaminating personnel and matériel; • Presentation by a Committee member to officers of the Canadian Forces Fire and CBRN Academy attending the Advanced CBRN Defence Officer Course (Ottawa, ON), to explain the history, mandate and ongoing role of the Committee within the CAF; • Attendance by the Executive Officer at the CBRN Defence Workshop (Ottawa, ON) for information exchange regarding current activities and issues. During its 2016 visits the Committee was satisfied that DND and the CAF are maintaining a purely defensive policy in biological and chemical warfare research, countermeasures, surveillance and training; that such research is compliant with Canada's obligations as a signatory state to the Biological Weapons Convention and Chemical Weapons Convention; and that such research does not pose a threat to public safety or the environment. Based on observations during the course of its visits, the Committee made several recommendations to be published in its 2016 Annual Report on the BCDRC website. Dr. Jonathan Van Hamme became the new representative of the CSM-SCM on the BCDRC effective April 1, 2017, so this is my last annual report to the executive. As a final word, I wish to emphasize the important service that CSM-SCM provides to the Canadian government and public through recognition and support of a professional microbiologist on the BCDRC: several of our international allies have informally expressed regret that they do not have an equivalent arm's-length committee to observe CBD research and training within their borders. Canada and the CSM-SCM should be proud of this distinction.

Respectfully submitted,

Julia Foght, PhD, Professor Emerita
Biological Sciences
University of Alberta

15. Reports from Representatives to outside organizations

e) ASM International Membership Committee and Ambassador to Canada – Trevor Charles

This is my fifth year as ASM Ambassador to Canada. ASM continues to develop a very active International Affairs office. They are attempting to assume a leadership role around the world, interacting with the various national microbiological societies, and in some cases participating in national meetings. Growth in international membership has far outpaced domestic membership growth over the past few years, with current international membership at ~52% of total membership. It is therefore important that the collective international voice is reflected in governance of the society. This year, I continued in my third year as a member of the Ambassador Leadership Circle, which grew out of the Ambassador Leadership Circle Task Force that I had participated in the previous year. The role of this body is to increase international representation in ASM governance and to improve coordination of international programs and initiatives. Over the three years, this body led task forces related to the four following themes: Enhancing communication among Ambassadors; Enhancing communication with membership; Developing Ambassador orientation materials; Improving competitiveness of international applications for ASM grants and awards. I co-chaired “Enhancing communication with membership.” As a result of the findings of these task forces, it is anticipated that the international activities will evolve a solid foundation for continued support of the international membership. At ASM Microbe 2017, a new social media / collaboration platform called micronow was unveiled. It is anticipated that micronow will be embraced by membership and provide a trusted, reliable source of information about the microbial sciences. ASM has completed a major transition in governance, with a Board of Directors and a Council on Microbial Sciences replacing Council Policy Committee and Council. The new governance structure is intended to provide better representation from both early career scientists and international members. ASM continues its tradition of supporting the CSM student competitions. On behalf of CSM, I applied for and received an award of US\$825 for the following.

--ASM Best Poster Prize

--ASM Sponsored Career Development Workshop

We are interested in growing the number of student chapters in Canada. ASM provides discounted membership to club members, and provides some funds to support activities. There is a real opportunity here to develop joint ASM / CSM student chapters, and this is something that I would like to discuss in earnest with CSM. We welcome any suggestions or feedback related to enhancing the relationship between CSM and ASM. We can apply for small grants of up to \$300 to support workshops and other activities.

Subbarao Chaganti is stepping down as Young Ambassador. I have enjoyed working with him, and thank him for his commitment. I welcome Agatha Jassem as the incoming Young Ambassador, and look forward to continuing strong Canadian representation at ASM.

15. Reports from Representatives to outside organizations

f) ASM Young Ambassador to Canada - Subba Rao Chaganti

I have completed four years as Young Ambassador to Canada on Dec 31st, 2016 and three years as ASM Young Circle Leader (YLC) on June 1st, 2017. One year as a Chair for the Young Leader Circle (YLC) and one year as a past Chair for YLC on June 1st, 2017. YLC Chair represents the young ambassador’s worldwide (~ 60 countries) in the ASM International Board meeting.

a) ASM Young Ambassador (YA) to Canada role and activities:



As an ASM YA to Canada, I have organized the event at CSM Conference in 2016. ASM has funded (\$1200 for Food) me to hold the Networking event “**Science Data to Social Date**” at CSM conference. I would like to thank the CSM organizers (Dr. Trevor Moraes) for approving to organize and providing all necessary equipment and space and absorbing some of the cost (\$150) for food. I would also like to thank Ms. Wafaa Antonious for helping me ordering all the food and continues support during the event. We received an overwhelming response from the participants. Ten professors were invited to interact with the 75 students. Although there was more interest from the students, I

restricted the number of students because of budget concerns. I look forward to seeing more events to happen with the collaboration of ASM and CSM in future. Expanding student chapters and interaction between ASM and CSM members: I have initiated a five student chapters in Canada and abroad in addition to the Bio-resource center at the University of Windsor. For each student chapters, ASM contributes \$ 300 US/Year. ASM is planning to expand the student chapters in Canada. Virtual workshop kits for Microbiology: ASM has funded me to organize Biosafety and Writing skills workshops. They were very helpful for the students, and I hope such resources can be used at CSM Conferences. All the programs mentioned above will enhance the student memberships and receive extensive publicity. Some of these programs also increase the student network worldwide. I completed my term as ASM representative. Dr. Agatha Jassem is appointed as the new ASM Young Ambassador to Canada and she was introduced to CSM council members. I hope she and ASM Ambassador Dr. Trevor Charles will continue the collaborative activities between the CSM and ASM.

b) YLC past Chair Role and Activities:



As a YLC member and past chair, I was able to communicate with the ASM Young Ambassadors worldwide this year. During the communication, I came to know about their ASM activities in their Countries, and I shared my Experiences with them. We as YLC generated a Newsletter “Young Leadership communications” by highlighting the

few Young Ambassadors who actively participated in ASM activities. In addition to that List of planned activities for next six months with the photographs of Country YAs were published and circulated among the YAs. It encouraged the other ASM YAs to participate actively and organize the events and increased the communications between the ASM YAs from different countries.

15. Reports from Representatives to outside organizations

g) Partnership Group in Science and Engineering - Thien-Fah Mah

The Partnership Group for Science and Engineering (PAGSE; 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. **PAGSE Council Meetings** We had some very interesting and informative meetings with guests such as Eric Meslin, President and CEO of the Council of Canadian Academies, Iain Stewart, President of the National Research Council and Ted Hewitt,

President of the Social Science and Humanities Research Council. Our next guest will be Martha Crago, Member of the Fundamental Science Review Panel and Incoming Principal (Research and Innovation) at McGill University. **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. This year, the speakers included Mike Flannigan, University of Alberta (Living with Forest Fires: Lessons from Fort McMurray), Jeremy Kerr, University of Ottawa (The great biodiversity challenge: Conserving nature through a century of unprecedented change), Sylvain Martel, Polytechnique Montreal (Canadian nanorobots: an option for fighting cancer?), Gail Atkinson, Western University (Unnatural tremors: the science of fracking and earthquakes), Goldie Nejat, University of Toronto (Can I Help You? The Future of Socially Assistive Robots in Healthcare), Robert Hofstede, International Development Research Centre (Building a climate-smart world: How development research helps the global population adapt to climate change) and Leon Kochian, University of Saskatchewan (Next-generation technologies for tomorrow’s crops: Getting to the roots of global food security). **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. The Science Media Centre of Canada (SMCC) was asked for 3 SciEng Pages as a trial by the Federal S&T Secretariat on these topics: Genomics, Why Science Matters, and Evidence-Based Decision Making. The SMCC submitted these in March 2017, and they are awaiting approval from the Science minister’s office. Upon approval, the goal will be to promote these three documents on the PAGSE website and at the Bacon and Egghead Breakfasts. 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 2016 and this brief is summarized (complete submission can be found on the PAGSE website) below:

*Canadians recognize the value of science, technology, and innovation (STI) as drivers of economic productivity and growth, and as providers of sustainable solutions to promote our social and environmental well-being. Canada is home to some of the world's leading researchers and an emerging innovation agenda that will help ensure our future prosperity and global competitiveness. The four recommendations presented here are key to fostering Canada's leadership in STI by supporting a stable foundation for the discovery-based research that fuels innovation, building infrastructure to accelerate productivity and resilience in northern communities, making talented students more mobile to facilitate knowledge sharing and address the skills gap, and modernizing the system of federal support for industrial research to accelerate progress through the ideas-to-impact pipeline. **The Partnership Group for Science and Engineering (PAGSE) recommends that the federal government: Increase investments in science and technology to match those in comparator countries.** This recommendation addresses the Innovation Agenda theme of “Supporting global science excellence” as well as the 2017 pre-budget consultation focus on federal measures that would support the contributions of Canadians to economic growth. **Build smart grid technologies in northern communities to improve resilience and sustainability, and to lower energy costs.** This recommendation addresses the Innovation Agenda theme of “Accelerating clean growth” and the 2017 pre-budget consultation focus on federal measures that would ensure that remote communities can contribute to economic growth. **Establish Canada Opportunity Scholarships to facilitate graduate student mobility for training.** This recommendation builds upon Canada's impressive track record of investing in human capital through STI training scholarships. It focuses on the Innovation Agenda theme of “Promoting an entrepreneurial and creative society” and “Supporting global science excellence”. It also addresses the 2017 pre-budget consultation focus on federal measures that would support the contributions of Canadians to economic growth. **Modernize the support system for industrial research.** This recommendation focuses on rebalancing the ratio of direct to indirect funding of industry research and highlights a strategy to accelerate the pathway from ideas to innovation by bringing applied research labs closer to key sources for cutting edge discovery. It addresses the Innovation Agenda theme of “Building world-leading clusters and partnerships” as well as the*

*theme of “Improving ease of doing business”. Furthermore, it addresses the 2017 pre-budget consultation focus on federal measures that would assist Canadian businesses to contribute to economic growth. Please note that each year, we work on a new Brief so that we will be ready for the next call. We welcome comments from the CSM Executive about what it thinks we should be telling our government during the consultation phase.*Submission to the government consultation on funding for basic research: *Following discussion with our twenty four professional and scientific member organizations, PAGSE presented a written submission to Canada’s Fundamental Science Review. The brief summarized the key messages received from our community on how to nurture science and engineering research in Canada, specifically by 1) Strengthening and rebalancing the federal science funding ecosystem; and 2) Supporting innovation through inclusivity, diversity, and interdisciplinarity. For additional information about PAGSE, access their website: <http://www.pagse.org>*