Faculty of Science Scholarship Committee  
Report to Faculty of Science Council  
May 10th, 2016

Items for Approval:

1. The Faculty of Science Scholarship Committee recommends Zachary Horvath, BSc in Computer Science, achieving Great Distinction and a CGPA of 93.60% to be awarded the **University Prize in Science** at the 2016 Spring Convocation.
   1.1 A write-up for the Convocation program for Zachary is attached.

2. The Faculty of Science Scholarship Committee recommends Kristen Gray, BSc Honours in Biology, minor in Psychology, achieving Great Distinction and a CGPA of 92.23% to be awarded the **Faculty of Science Dean’s Medal** at the 2016 Spring Convocation.
   2.1 Kristen was nominated for the President’s Medal, and the letter of recommendation from the Faculty of Science Scholarship Committee is attached for information.

Items for Information:

The Faculty of Science Scholarship Committee awarded the **Faculty of Science 10th Anniversary Scholarship** to Harmanjot Kahlon, an incoming Science student, working toward a Bachelor of Science (currently with an undeclared major). Once she’s completed a Bachelor of Science degree, her plan is to apply to the College of Medicine at the University of Saskatchewan to become a doctor.

The Department of Biology awarded the **Dr. Robert M. Agnew Memorial Award** to Kristen Gray.

The Department of Chemistry awarded the **Society of Chemical Industry, Canadian Section, Merit Award (Chemistry)** to Daniel Markewich.

The Department of Chemistry awarded the **Society of Chemical Industry, Canadian Section, Merit Award (Biochemistry)** to Alexa Pierce.

The Department of Geology awarded the **APEGS Gold Medal** to Jordan Deane.

The Department of Physics awarded the **Sadie and Norman Ratner Prize in Physics** to Shayne Gryba (CGPA: 92.38%) for the Spring 2016 convocation.

N. Mobed (Chair)  
Associate Dean (Academic)
1.1 University Prize in Science

The University Prize in Science is awarded at convocation to the most distinguished student graduating with a first degree from the Faculty of Science. Zachary Horvath is the recipient of this prize at the 2016 Spring Convocation. Zachary is graduating with a Bachelor of Science in Computer Science, achieving Great Distinction.

Zachary graduated from Dr. Martin Leboldus High School in June 2012. While studying at the University of Regina, he has received many scholarships in recognition of his academic achievements, including: Academic Gold Scholarship, Association of Regina REALTORS Inc. Scholarships, Dean’s List – Faculty of Science, Centennial Merit Plus Scholarship, Muriel E. Finlayson Undergraduate Computational Science Research Scholarship, and The Harold J. Leibel Family Entrance Scholarship (Campion College).

Outside of the classroom, he spent many hours working with students as a Supplemental Instruction (SI) leader. As part of being an SI leader, Zachary was required to attend the lectures of the courses and develop study sessions for the students. He led sessions for Chemistry 105 (Winter 2015 semester), and Chemistry 140 (Fall 2015 semester). When Dr. Kerri Finlay, coordinator of the SI program, was asked to comment on Zachary’s work with the SI program she stated: “Zach was always organized and reliable, and the students quickly learned that he was an extremely valuable resource to help them learn the course material. Zach also always offered extra midterm and final exam review sessions for the students which were very well attended (over 60% of a very large first year class attended voluntary review sessions in the evenings).”

During the Winter 2016 semester, under the supervision of Dr. Murphy and Dr. Gerhard, Zachary worked on a President’s Teaching and Learning Scholar program entitled Development of a Responsive Online Homework and Quiz System for Large Enrolment Courses. He was the computer programmer on the project, and has designed an online Organic Chemistry Reaction Generator which will be used in a new, online, organic chemistry assignment program to be unveiled this upcoming Fall semester in Chemistry 140 (Organic Chemistry).

The Faculty of Science congratulates Zachary on his accomplishments and wishes him the best of luck with his future endeavours.
2.1 Faculty of Science Dean’s Medal – Kristen Gray

The Faculty of Science Scholarship Committee nominated Kristen Gray, BSc Honours in Biology, minor in Psychology, with a CGPA of 92.23%, through Campion College, to be considered for the President’s Medal at the 2016 Spring Convocation. As a nominee for the President’s Medal, she will receive the Faculty of Science Dean’s Medal.

As a result of her outstanding academic record, Kristen received numerous awards, including: Academic Gold Scholarship, Academic Silver Scholarship, Arthur Braun Memorial Scholarship (Campion College), Association of Regina REALTORS Inc. Scholarships, Campion College Prize, Centennial Merit Plus Scholarship, Faculty of Science Dean’s List, John Spencer Middleton & Jack Spencer Gordon Middleton Scholarship, Michael Zerr Memorial Scholarship, Rev. E. Peter W. Nash, S. J. Scholarship – Nat Sc (Campion College), and Reverend John Toth Scholarship (Campion College). She will also be awarded the Faculty of Science Dean’s Medal at the upcoming Spring convocation for her outstanding academic record and volunteer work.

Outside of her academic studies, Kristen has truly excelled as a student volunteer. Kristen’s volunteer experiences included: Science Rendezvous (Station Leader), B.U.G.S (Communications Director, and Fundraising Director), Resurrection Parish (Choir Member), Sunset Extendicare (General Volunteer), and Regina Little Theatre (Actor).

During the Fall 2015 semester, she was the Supplemental Instruction Leader for Biol 222 (Microbiology for Nurses). As part of being an SI leader, Kristen was required to attend the lectures of Biol 222 and develop study sessions for the students. The feedback that the coordinator of the Supplemental Instruction program, Dr. Kerri Finlay, received was “overwhelmingly positive, as Kristen was able to synthesize the course material and effectively lead SI sessions to help students learn the material.”

During the Spring/Summer 2013 semester, she worked as a research student under the supervision of Dr. John Stavrinides. Her research was centered on investigating antifungal remedies to the agricultural blight *Ascochyta rabiei*. Dr. Stavrinides, commenting on her research work, stated: “Kristen worked throughout the summer, treating the courses like a full time job. She obtained amazing results, including the identification of several strains that have antifungal properties. Her productivity and grade [93% in each research course] reflects her dedication, diligence, and most importantly, her independence.”

In the Spring/Summer 2014 semester, she worked with Dr. Josef Buttigieg, funded by an NSERC grant. During this semester, her research was centered on investigating the cellular changes occurring in tumorigenic lung cells when exposed to hypoxic conditions.

Kristen has shown herself to not only be an outstanding academic, but also a compassionate leader who has developed his strong leadership qualities through research experience and many different volunteer experiences. These experiences have been the basis of developing the skills required to help her succeed. Kristen’s success after completing his BSc Honours in Biology is already evident in her new position as a Research Technician, under the supervision of Dr. Ravindra Chibbar, at the University of Saskatchewan, beginning March 2016.