IA. Peer-Reviewed Faculty Publications

**Fadi Bou-Abdallah**


* SUNY Potsdam Undergraduate Students Co-authors

**Maria R. Hepel**


* SUNY Potsdam Undergraduate Student Co-author

**Visiting Scholar

IB. Other Faculty Publications (including WEB news, discussions, reviews, editorials, etc.)

**Fadi Bou-Abdallah**

II. Papers Delivered by Faculty and Students at Conferences and Conference Attendance. Faculty Presenter and Students Presenter names underlined

IIA. Professional Meetings

Fadi Bou-Abdallah


7. **Fadi Bou-Abdallah.** Attended (by invitation) the 24th Annual Cottrell Scholar Conference in Tucson, AZ (Theme: Personalizing Education), July 11-13, 2018.

8. **Fadi Bou-Abdallah.** Attended (by invitation) the MSI/PWI conference, University of California at Irvine on June 25-26, 2018. The theme of the conference was “Building Authentic Partnerships: Minority Serving Institutions and Primarily White Institutions Working Together to Improve Research and Education”.


over expressed in E. coli with various H/L chain ratios: A comparative Mössbauer study of their iron cores”. *American Physical Society (APS) meeting, Los Angeles, California, March 5-9, 2018* (Poster Presentation).


* SUNY Potsdam undergraduate students

**David Gingrich**


**Maria R. Hepel**


Fathima Nazeer
Presentations
   “Investigating the role of DNA repair factors in the regulation of mRNA maturation”
   Morgan Skidders and Fathima Nazeer
   *Oral Presentation*
   * Honorable mention in student presentations
   “The role of RNAPII degradation factors in the DNA damage response”
   Alex Hofler and Fathima Nazeer
   *Poster Presentation*
   “Investigating the role of DNA repair factors in the regulation of mRNA maturation”
   Morgan Skidders and Fathima Nazeer
   *Oral Presentation*
   “The role of RNAPII degradation factors in the DNA damage response”
   Alex Hofler and Fathima Nazeer
   *Poster Presentation*

Conference/Workshop attendance
1. American Chemical Society National Meeting, Boston, MA (August 2018)
2. American Chemical Society New Faculty Workshop, Washington DC (August 2018)
3. Associated Colleges teaching Effectiveness Workshop, Canton, NY (2017)

Martin A. Walker
Presentations
   * SUNY Potsdam undergraduate presenters

Conference attendance
IIB. Presentations at the Learning & Research Fair, SUNY Potsdam

Fadi Bou-Abdallah


David Gingrich


Maria R. Hepel


Martin A. Walker


III. Receipt of Grants/Awards and Grants Applied For

Fadi Bou-Abdallah

External Grants (Awarded)
1. The Henry Dreyfus Teacher-Scholar Award ($60,000.00) – (2016-2021).
External Grants (Submitted/Under Review)

1. Submitted an NSF Proposal (10/30/17): Collaborative Research: Fundamental understanding of the multi-substrate binding specificity of Saposin B (Total requested amount is $423,232; Potsdam allocation is $179,201).
2. Submitted an NIH Proposal (2/25/18): AREA R15 “Physiological relevance of the iron reductive mobilization from ferritin and its dependence on oxygen concentration” (Total requested amount is $450,040; Potsdam allocation is $165,797).

Awards

1. Research Corporation for Science Advancement - Cottrell Scholars (CS) Honor (2017) – The CS program champions the very best early career teacher-scholars in the chemical and physical sciences. Received the award at the 24th Annual Cottrell Scholar Conference in Tucson, AZ, July 11-13, 2018
2. Thomas L. and Jane D. Russell Distance Education Faculty Excellence Award (2017)
3. Open SUNY Online Teaching Ambassador-Exemplary Online Educator Award (2018)

Other Internal Research Awards

1. Summer (May 22 - June 22, 2017) Kilmer Undergraduate Research Grant – (1000.00) – Awarded to John Paliakkara for his research project titled: “Detection of Pharmaceutical and Personal Care Products in Water Using Capillary Electrophoresis” (Dr. Fadi Bou-Abdallah- Research Mentor). Additionally, John worked on a ferritin project for my NIH grant and was paid a summer salary.
2. Three 2017 CSTEP Summer Research Awards totaling (4750.00) were awarded to Alaa Farghli, Kedwin Ventura, and Daniel Coelho; all three students performed summer research under my guidance during the periods of May 22 - June 22, 2017 (Alaa and Kedwin), and August 14-August 25, 2017 (Daniel Coelho).
3. Grant Writing Initiative (GWI) Award (250) - Research and Sponsored Office Program-May 2018
4. Summer (May 21 - June 22, 2018) Kilmer Undergraduate Research Grant – (1000.00) – Awarded to Nicholas Flint for the research project entitled: “Preparation and Characterization of Ferritin Iron Cores: Relevance to Neurodegenerative Diseases”. (Dr. Fadi Bou-Abdallah- Research Mentor). Additionally, Nick investigated the interaction between NCAO4 (a nuclear receptor coactivator that mediates the autophagic turnover of ferritin) and ferritin by ITC and fluorescence spectroscopy. His summer salary was covered by my NIH grant award.
5. Summer (May 21 - June 22, 2018) Kilmer Undergraduate Research Grant – (1000.00) – Awarded to Heidi Kreckel for the research project entitled: “The Thermodynamics of Mercury Binding to Hemoglobin: A Calorimetric and Spectroscopic Study”. (Dr. Fadi Bou-Abdallah- Research Mentor). Additionally, Heidi worked on a ferritin project involving the binding of Fe(II) to Glutathione and Fe(II) delivery to ferritin. Her summer salary was covered by my NIH grant award.
6. CSTEP Summer Research Award totaling ($1850) was awarded to Aiden Farragher-Gnadt who performed research under my guidance for the periods of May 21 - June 22, 2018.

Maria R. Hepel

2. Grant Writing Initiative Award, $250.00, Research & Sponsored Programs office, SUNY Potsdam.
3. Kilmer Undergraduate Travel Award- ($800) awarded to Ricardo Espinal to Present at the National Meeting of ACS, Washington, DC.
4. Kilmer Undergraduate Travel Award- ($800) awarded to Logan Running to present at the National Meeting of ACS, Washington, DC.
5. Contributed to MRI proposal submitted to NSF by Prof. E. Podlaha-Murphy from Clarkson University.

David Gingrich

1. Training Support Program, Promega Corp, $750 towards lab supplies for CHEM 425/426 - Awarded.

Other Internal Research Awards

1. Brittany Geiler, Frederick B. Kilmer Undergraduate Research Apprenticeship, Spring 2018 ($316.00) – Awarded
2. Karl Palmer, Frederick B. Kilmer Undergraduate Research Apprenticeship, Spring 2018 ($316.00) – Awarded

Fathima Nazeer

1. National Science Foundation funding for visiting faculty. Funding for summer research at Tufts University, Boston, MA. Emily Dean and Fathima Nazeer ($ 9 974)
2. Collegiate Science and Technology Entry Program (CSTEP), SUNY Potsdam. Summer research experience funding to conduct research at Tufts University, Boston, MA. Alex Hofler and Fathima Nazeer ($1800)
3. Frederick B Kilmer Student Research Fellowship, SUNY Potsdam Investigating the role of a protein degradation factor (Def1) in the DNA damage response Alex Hofler and Fathima Nazeer ($600)
4. SUNY Potsdam Student Government Association
   Capital Projects Grant
   Morgan Skidders, Alex Hofler, Emily Dean, Heidi Kreckel, Clifford Rossiter and Fathima Nazeer ($7,852.89)
5. Course Hero Fellowship, Woodrow Wilson Foundation (Not awarded)
6. American Society for Biochemistry and Molecular Biology Annual Meeting Travel Award (Not awarded)
7. Lougheed Applied Learning grant, SUNY Potsdam. (Not awarded)
   Request for high speed centrifuges to prepare high quality protein extracts
8. Lougheed Applied Learning grant, SUNY Potsdam. (Not awarded)
   Request for summer research travel funding for undergraduates
9. Research and Creative Endeavors Program, SUNY Potsdam (Not awarded)
   Preparing yeast deletion mutant strains to investigate their role in mRNA processing
10. Letter of Intent: Concern foundation (Not awarded)
    Investigating mechanism of mRNA processing inhibition

Clifford S. Rossiter

1. National Science Foundation RUI: Reaction-based Indicator Displacement Assays for Analyte Detection, $269,008, Denied.
2. National Institutes of Health (NIH) AREA Grant Reaction-based Indicator Displacement Assays for Analyte Detection, $310,197.00, awarded.
3. CSTEP Summer Research Fellowship: Amira Abubakari, awarded.
4. Grant Writing Initiative (GWI), $250
5. Kilmer, $200 for mentoring a student.

Martin A. Walker

2. SUNY Innovative Instruction Technology Grant (IITG), Tier 1, collaboration with Binghamton University and ContentMine, “Producing Open Educational Resources by Mining Chemical Data.” $10,000, not awarded.
3. Support for open educational resource adoption and development in CHEM 341 and CHEM 342. Two grants (2 x $750), both awarded.
4. Collegiate Science and Technology Entry Program (CSTEP), SUNY Potsdam, grant awarded to Sekalisha Elome for summer undergraduate research.
IV. New Programs; Courses and/or Laboratories Proposed or Revised

**Fadi Bou-Abdallah**

1. Revised the content of my 100% online course on Moodle (CHEM101-Chemistry and Human Health) and added a new Chapter on the subject of “Air: The Breath of Life”, and taught the course twice (Winterim 2018 and Summer 2018).
2. Modified three new Pchem lab experiments (ITC, DSC and fluorescence) that I have recently introduced on the Molecular Interactions Between bovine (BSA) and human (HSA) serum albumin and non-steroidal anti-inflammatory drugs (NSAID's) such as Diclofenac and Naproxen.
4. Updated the Physical Chemistry Lecture material and Laboratory manual.

**David Gingrich**

1. Converted all CHEM 425 (Biochemistry 1) lab modules previous accessed by students via Moodle into a printed lab manual (133 pages) for purchase at the College Bookstore. This included a revised and greatly expanded example of how to record information into in lab notebook and use the information to write a full lab report.
2. Several sections of PowerPoint presentations for Biochemistry lecture were revised to incorporate changing concepts/information.
3. Continued the refinement/revision of several laboratories for Biochemistry 1 and 2 based on NSF CCLI "The Development of Biochemistry Laboratories Centered on Hemoglobin" award.
4. Additional POGIL-based (Process Oriented Guided Inquiry Learning) exercises were written and Utilized in Biochemistry 1 and Biochemistry 2 lectures.

**Maria Hepel**

1. Updated several lectures for the Advanced Analytical CHEM 495 course.
2. Updated several lectures for the Forensic Science CHEM 315 course.
3. New experiment introduced into Instrumental Analysis Lab CHEM 415 and 3 lab handouts were written:
   a) Assembly & Disassembly of Gold Nanoparticles Monitored Using RELS & Absorbance Measurements;
   b) Formation of Conductive Polymer Films: Polypyrrole & Composite Film Polypyrrole/Au Nanoparticles;
   c) Amperometric Glucose Sensors.
4. Involved in planning of a new interdisciplinary “Nanoscience” major & minor.
Patricia Kraske French

1. **General Chemistry Lecture**, (Chem 105/6) Academic year 2017-2018:
   a. Adopted a new text book to better address student needs. Includes reduced cost and simplified format. Revised 18 chapters of power point lectures, assignments, exams and Moodle site.
   b. Adopted a new online homework system, OWL v.2, to allow students additional practice of materials presented in lecture. Included similarly styled questions on exams to reduce student test anxiety by familiarity with exam problem presentation.
   c. Increased number of office hours to 6 per week to accommodate increased numbers of students
   d. Initiated a “small group” for General Chemistry II, an optional, informal, student led problem session. I held small group every week for 2 hours in the Reading room. Students consistently came with questions on labs, homework assignments and additional help with concepts.
   e. Held review sessions before each exam

2. **General Chemistry Lab** (Chem 105/106) Academic Year 2017 – 2018
   a. Revised lab manual for both semesters to provide for greater clarity and newer formatting.
   b. Developed, vetted and included one new experiment per semester (Introduction and Density Exploration for Chem 105 and Intermolecular Forces for Chem 106).
   c. Developed a third new lab (pH exploration) for use in Spring 2019.
   d. Collected and did statistical analyses on student data throughout the year to monitor student progress and prepare grading sheets
   e. Performed weekly duties: lab set-up and break down, trouble shooting, refilling solutions and samples.
   f. Filled in for instructors when necessary
   g. Worked with John Proetta, Instructional Support, to increase safety of experiments and lab experience in general.
   h. Worked with John Proetta, Instructional Support, to determine quantity of chemicals and other materials needed for each experiment.
   i. Wrote lab exams for each semester

3. **Matter and Energy** (Chem 125): Fall 2017:
   a. Continued holding an informal “Friday group” recitation so that students have regular extra practice and individualized attention.
   b. Revised the order of concepts presented and labs performed so that the math intensive portion of the course is eased into to help alleviate math (STEM) anxiety. Additionally, the students have historically enjoyed the “wet Chemistry” labs so that section is being expanded. **Note: allowed increased student comfort with course as we moved into the more math intensive aspects. This was very well received, as determined by student comments personally and in instructor evaluations**
c. Modified the course to allow for more time for exams to reduce student test anxiety
d. Developed and included a computer simulation lab aimed at 5 -6 grade level students for the childhood education students to explore and comment on.

4. **Fundamentals of Environmental Science** (Chem 301): Spring 2018  
   a. Continued to revise course to include more current topics, as determined by students in a daily “environmental current events” section. This proved popular and provided for increased student participation  
   b. Revised material to include an expanded background chemistry section, reduced ozone hole section and expanded climate change section  
   c. Modified topics for second student paper and presentation to include successful conservation efforts as well as successful environmental “disaster” efforts

**Fathima Nazeer**

1. General Chemistry I lecture  
   a. Developed material for course, including powerpoints lectures and POGIL (Process Oriented Guided Inquiry Learning) type worksheets for inclass activities.  
   b. Compiled General Chemistry workbook (part I) which includes in class worksheets as well as supplementary worksheets for the first half of the course. This is now a resource students can purchase at cost from the bookstore.  
   c. Maintained online resources, including mooodle site and online homework system.

2. General Chemistry lab  
   b. Modified one wet lab experiment (Empirical formula of a hydrate) and one worksheet for dry lab (Molecular Geometries)

3. Proposed WAYS 103 course: Women in Science

**John C. Proetza**

1. Worked to update a number of General Chemistry Labs for CHEM 106. Worked alongside Patty French to implement two new laboratories, Intermolecular Forces and pH using Data Acquisition.
2. Continuing to work on an online course Titled “Chemical Cuisine” – with hopes to pilot in the coming summer.
3. Chemical Management Internship - hosted a number of internships through the Chemistry Stockroom.
Clifford Rossiter

1. **Inorganic Chemistry Lecture and Lab**, Spring 2018
   a. Continued revision of lecture notes to partition class into three distinct subdisciplines; molecular symmetry, coordination chemistry and organometallic chemistry.
   b. Continued revising Moodle site for the class by adding better navigational tools, linking to valuable external resources, and posting homework answers.
   c. Implemented research components into the curriculum;
      i. Identification and Characterization of Zinc Ionophores.

2. **Chem 100**
   a. Refined the curriculum from Fall 2017. Continued incorporating “pop culture” science books to illustrate core principles in the class and demonstrate chemistry’s relevance to student’s lives. Reintroduced *The Making of the Atomic Bomb into the curriculum.*
   b. Refined lecture notes and presentations as well as a Moodle site to facilitate student learning.

Martin Walker

2. Incorporated the new electrochemical reactor into the Organic Chemistry 2 research project.
3. Updated organic chemistry lab manual and workbook and Moodle site.
4. Involved in setting up a new pre–health post–baccalaureate certificate (with Josh LaFave and Robert Ewy).
5. Assisting with planning of a new interdisciplinary “Nanoscience” major & minor.

V. Service

V.A. Administrative/Committee Assignments

**Fadi Bou-Abdallah**

1. Member of the Arts and Sciences Council, SUNY Potsdam
2. Member of the Research and Creative Endeavors Committee
3. Member of the Student Conduct Hearing Board
4. Member of the SUNY Open Educational Resources (OER) task force
David Gingrich

1. Health Professions Advisory Committee (HPAC)
2. College Radiation Safety Officer
3. College Radiation Safety Committee
4. Faculty Senate representative for Chemistry Department
5. Chemistry Safety Committee (Chair)

Maria Hepel

1. Member of the SUNY Potsdam Chancellor Awards Committee.
2. Member of the State University of New York Distinguished Academy.
3. Elected Executive Committee Member of the SUNY Distinguished Academy (2018-2020).
4. Member of the SUNY Empire Innovation Program Technical Review Committee.

Patricia Kraske French

1. Teacher Education Advisory council

Fathima Nazeer

1. Member, Health Care Professional Advisory Committee

John C. Proetta

1. Member of the Chemistry Safety Committee (CSC)
2. Member of the Campus-Wide Safety Committee
3. Delegate of the United University Professionals (UUP)
4. Campus Health and Safety Representative (UUP)
5. General Chemistry Laboratory Coordinator

Clifford S. Rossiter

1. Served as chair of the Business Affairs Committee
2. Served on Science SLO committee for General Education Requirements
3. Served as Chair of the Chemistry Department

Martin A. Walker

1. Newly elected as chair, Department of Chemistry
2. Chemistry Safety Committee – included carrying out “friendly lab inspections” of labs.
3. Health Professions Advisory Committee  
4. Gave several presentations and prepared a video to explain the college’s new process for distance learning course development.  
5. Member of the SUNY Open Educational Resources (OER) task force  

**VB. College-Related Public Service**  

**Fadi Bou-Abdallah**  

1. Presented a seminar to SOAR, Nov 1, 2017 on “There is What in My Water?”  
2. Offered a Chemistry Magic Show at the High School Science Day on Saturday, November 18, 2017. About 120 students from seven different schools including 8 homeschooled kids and a dozen high school teachers were in attendance.  
3. Organized the 9th Undergraduate and Graduate Chemistry Research Symposium of the Northern New York Local Section of the American Chemical Society. SUNY Potsdam, March 3, 2018.  
5. Participated in a focus group to discuss the College website redesign (3/27/18) - School of Arts & Sciences Representative for the College Website Redesign.  
7. Attended an interactive workshop on “Defining the Faculty Role in Student Success” at SUNY Potsdam (8:30am-10:30am); November 7, 2017, Raymond 8th floor dining room.  
8. Completed the “Physical Science Responsible Conduct of Research” course for the Collaborative Institutional Training Initiative (CITI) program-Nov 30, 2017  
9. Served as an academic summer advisor for incoming students (June and July 2018).  

**David Gingrich**  

3. Participated in SUNY Potsdam Admissions Open House.  
4. Student Chapter advisor for the SUNY Potsdam American Society for Biochemistry and Molecular Biology (ASBMB) Student Chapter, now also the SGA Biochemistry Club.  
5. Faculty advisor for Pre-Health Club (SGA).  
6. Academic Coordinator for Men’s Hockey.  
**Maria Hepel**


**Patricia Kraske French**

1. Participated in annual High School Science Lab day, November, 2017
2. Attended Open Houses in both fall and spring semesters

**Fathima Nazeer**

1. Conducted Biochemistry lab on behalf of Dr. David Gingrich for High School Science Lab Day

**John C. Proetta**

1. Summer Orientation Advisor, Summer 2018 – Served as a Faculty Orientation Advisor for the SUNY Potsdam Summer Orientation sessions.
2. Reestablished the SUNY Potsdam Chemistry Club - working closely with the Faculty and Students, we hope to reintroduce quality programming in the coming year.
3. Northeast Regional Science and Engineering Fair, TERRA, Organizer, Presenter - March 17th 2018
4. High School Science Lab Day, Volunteer - November 18th 2018
5. National Science Olympiad, Event Organizer/Judge - March 3rd 2018
6. Academic Advisor, Phi Kappa Pi Sorority – Since 2014
7. Hosted a Pop-up, Program-In-A-Box sponsored by the American Chemical Society titled “Opioids: Battling Addiction with Chemistry.” - February 27th 2018

**Clifford Rossiter**

2. Participated in “A Major Affair”, 2017
3. Attended Open Houses

**Martin A. Walker**

2. Faculty Advisor for the chemistry honor society (Gamma Sigma Epsilon).
3. Represented the department at "Major Affair" (Fall 2017) and Open House events.
VC. Professional Service

**Fadi Bou-Abdallah**

1. Reviewed 13 research papers submitted to five different international scientific journals: Biochimica Biophysica Acta (×4); Journal of Inorganic Biochemistry; Chemical Communication, Journal of Food Science, Pharmaceuticals (MDPI), Metallomics (×3), J InorgBiochem, ACS Omega.
2. Summer Research Adviser for SIX SUNY Potsdam students (Lara Varden, Britannia Smith, John Paliakkara, Nicholas Flint, Aiden Farragher-Gnadt, and Heidi Kreckel); The six students’ summer salaries were supported by my NIH R15 research grant (×4), Henry Dreyfus Award (×1), or CSTEP (×1)
3. Prepared an annual report for the National Institute of Health, award 1R15GM104879-01A1
4. Conference and Program Chair of the “2018 North East Nanomaterials Meeting (NENM2018)”- Crowne Plaza Resort, Lake Placid, June 1-3, 2018
5. Chair of the Northern New York Local Section of the American Chemical Society (ACS) (2012-Present).
7. Member of the following professional organizations:
   a) Editorial Board of Biochimica Biophysica Acta (BBA)
   b) International BioIron Society (IBIS)
   c) Council on Undergraduate Research (CUR)
   d) American Chemical Society (ACS)

**David Gingrich**


**Maria R. Hepel**

2. Member of the Editorial Boards for the Following Scientific Journals:
   a) Polish Journal of Environmental Studies,
   b) Open Electrochemistry Journal,
   c) Journal of Molecular Imaging and Dynamics,
   d) Journal of Nanomedicine and Nanotechnology,
   e) Mediterranean Journal of Chemistry (Associate Editor),
   f) International Journal of Bioorganic Chemistry and Molecular Biology,
   g) International Journal of Nano Studies and Technology,
   h) Austin Journal of Nanomedicine and Nanotechnology,
   i) Frontiers in Physical Chemistry and Chemical Physics (Associate Editor),
   j) Journal of Nanotechnology: Nanomedicine and Nanobiotechnology,
   k) Austin Journal of Biosensors and Bioelectronics,
   l) Analytical and Bioanalytical Techniques,
   m) SF Journal of Pharmaceutical and Analytical Chemistry.

3. Program Co-chair and session organizer at the Northeast Nanomaterials Meeting (NENM) of the American Chemical Society, Lake Placid, June 1-3, 2018.

**Fathima Nazeer**

1. Judge – Poster session, Research Symposium. American Chemical Society of Northern New York, Potsdam, NY

**John C. Proetta**

1. Member of the American Chemical Society, Since 2008
2. Member of the National Association of Scientific Materials Managers, Since 2015

**Clifford S. Rossiter**

1. Reviewed research paper submitted to *Inorganic Chemistry.*

**Martin A. Walker**

1. Co-chair and webmaster of the Northeast Nanomaterials Meeting (NENM) of the American Chemical Society, Lake Placid, June 1-3, 2018.
2. Webmaster for the Northern NY local section of the American Chemical Society.
3. Served as a reviewer of one paper submitted to the journal ARKIVOC.
4. Member of the Editorial Boards for the Following Scientific Journals:
   a) ARKIVOC
   b) Journal of Cheminformatics
   c) Chemistry Central Journal
VD. Community Service

**Fadi Bou-Abdallah** *(The following activities have already been reported above since they fall under the categories of Professional, College, or Community service).*

1. Chair of the Northern New York Local Section of the American Chemical Society (ACS) (2012-Present).
2. Program Chair and Main Conference Organizer of a Topical NorthEast Regional Meeting of the American Chemical Society on “Nanoparticles: Applications and Environmental Impact”, held on June 1-3, 2018 at Crowne Plaza, Lake Placid.
3. Presented a Chemistry Magic Shows to over 120 high school students and teachers from 8 different high schools at the 33rd Annual High School Science Lab Day, Nov 18, 2017.
7. Presented a seminar to SOAR, Nov 1, 2017 on “There is What in My Water?”
8. Organized the 9th Undergraduate and Graduate Chemistry Research Symposium of the Northern New York Local Section of the American Chemical Society. SUNY Potsdam, March 3, 2018.

**David Gingrich**

1. Sound/Media Technician, Potsdam Church of the Nazarene.

**Maria Hepel**


**Patricia Kraske French**

1. Member of New Life Presbyterian Church, Canton, NY, initiated women’s book club meetings.

**Fathima Nazeer**

1. Member, Parent Teacher Association, Potsdam Central School
2. Member, Ex-Muslims of North America

**Clifford S. Rossiter**

1. Member of the American Chemical Society.
**Martin Walker**

1. Worship team guitarist/bass player at New Hope Community Church, Potsdam, NY

**VE. Other Service not mentioned above.**

**Fadi Bou-Abdallah**

1. Academic adviser to 23 students during Fall 2017 and Spring 2018 semesters.
2. Research adviser to 8 undergraduates majoring in Chemistry, Biology and/or Biochemistry during the 2017/2018 academic year and summer 2018.

**Maria R. Hepel**

2. Supervised research of postdoctoral visitor Dr. Katarzyna Kurzatkowska, from Polish Academy of Sciences, Olsztyn, Poland.
3. Supervised research of graduate student Veronika Svitkova, from Slovak University of Technology, Bratislava, Slovakia.

**VI. Chemistry Seminar Program**

The Chemistry Department Seminar program consists, in part, of invited speakers and student seminars. The visitors from graduate schools are a crucial part of our seminar program and very beneficial to our students. Time is provided for our students to meet with each visitor and to discuss graduate school opportunities. The list of visitors and their seminar topics are listed below along with our student seminars.

**SEMINAR SPEAKERS FOR FALL 2017**

**Dr. Amelia Ann Rand**  
Department of Chemistry, Carleton University  
“Understanding the influence and consequence of omega-6 fatty acids on blood vessel development”  
October 3rd

**Dr. Justin J Wilson**  
Department of Chemistry, Cornell University  
“Metals in Medicine: Coordination Chemistry to Control Biological Activity”  
October 17th
Dr. Sozanne Solmaz  
Department of Chemistry, SUNY Binghamton  
“Mechanism for G2 phase-specific nuclear export of the kinetochore protein CENP-F”  
October 19th

Dr. Eva Hemmer  
University of Ottawa  
“Shining a Light on Lanthanides in Materials and Molecules”  
October 24th

Dr. David Lacy  
SUNY Buffalo  
“Small molecule activation: Making and Breaking O2”  
October 31st

Dr. Kahan  
Syracuse University  
“Messy” Atmospheric Photochemistry: Water, Ice, and the Great Indoors  
November 17th

Professor Mitchell O’Connell  
University of Rochester  
“Shooting the messenger: RNA-targeting by CRISPER-Cas enzymes”  
November 14th

Dr. Dexter L Criss  
Department of Chemistry, SUNY Plattsburgh  
“Effect of the Gamma Hydroxyl Group on Lignin Hydrolysis and Rearrangement Reactions  
Advantages and Disadvantages of Cross-discipline Undergraduate Mentorship”  
November 28th

Dr. Selma Mededovic  
Department of Chemical Engineering  
Clarkson University  
“Plasma-based Water Treatment: Scale-up Considerations and Removal of Emerging Contaminants”  
December 5th

SEMINAR SPEAKERS FOR SPRING 2018

Dr. Mario Wriedt  
Department of Chemistry and Biomolecular Science, Clarkson University  
“New Frontiers in Metal-Organic Frameworks: Spintronics, Tunable Gas Sorption, and Advanced Catalysts”  
March 6th
Dr. Heather A. Crapo
Department of Chemistry, SUNY Binghamton
“Design and Development of Novel Rapid and Ultrasensitive Sensors”
May 1st

Jennifer Ebert
Department of Chemistry, University of Buffalo
“The Nucleophilic Carbonylation of Functionalized Organocopper Reagents and their Behavior as Acyl Anions”
May 8th

STUDENT SEMINARS FOR SPRING 2018

Bradley Cech
“Biomakers for the Detection of Parkinson’s Disease”

Tanner Spilman
“Composite Magnetic Nanoparticles for Osteoporosis Treatment”

Karl Palmer
“The role of intrinsically disordered proteins and protein function”

Brittany Geiler
“Do untranslated regions in mRNA matter? Alternative polyadenylation of mRNA in disease”

Alex Guinness
“Artificial skin”

Gabriella M Holevinski
“Use of zeolites for oil spill remediation”

Cindy Castillo
“Automating the organic synthesis laboratory”

Fine Amedetowou
“Total synthesis of batrachotoxin”

VII. 2018 Chemistry Major Graduates – 5 graduates

BS
Bradley Cech
Aiden Farragher-Gnad
Alexandria Guinness

BA
Gabriella Holevinski
Samuel Sprague
Biochemistry Major Graduates – 4 graduates

Fine Amedetowou
Brittany Geiler
Logan Running
Tanner Spilman

VIII. Other Notable Activities

Fadi Bou-Abdallah

1. Participated in a webinar on “8 Ways to Successfully Navigate NIH Peer Review and Get an AREA/R15 Grant” offered by the National Institute of Health, October 16, 2017.
2. Participated in a 2-hr workshop/webinar on "Writing Excellent Proposals”, offered by the American Chemical Society- Nov 15, 2017 ( Noon-2 pm).
3. Participated in a 2-day “Fall 2017 NSF Grants Virtual Conference” offered by the National Science Foundation, November 13-14, 2017. Topics such as: Types of NSF Funding Opportunities, Proposal Preparation, Merit Review Process, Award Management, Faculty Early Career Development (CAREER) Program, and NSF Policy Update, were covered.
7. Participated in an NIH online workshop, NIH AREA grant program, March 14, 2018, hosted by Dr. Alexandra Ainsztein (NIH R15 AREA program Director).

David Gingrich

3. Continued development of expanded online safety training/assessment to include new ACS guidelines.
Annual Report 2017-2018

Chemistry Department

4. Assisted ASBMB Student Chapter students as they successfully prepared materials to become an official SGA organization.
6. Attended SUNY Potsdam CCI 3D Printing Workshop (Dr. Linghong Li.), SUNY Potsdam, November 30, 2017.
7. Partial cleanout (as Radiation Safety Officer) of equipment from radiation suite due to Timerman renovations.

Maria Hepel

1. Continue research collaboration with:
   - SUNY Binghamton
   - Polish Academy of Science, Olsztyn, Poland
   - Cancer Institute, SUNY Albany
   - Masaryk University, Brno, Czech Republic.
2. Participated in the following webinars:
   - Raman Spectroscopy: Foundations and Future
   - Very-low level pesticides Residue Analysis using GC/MS
3. Participated in the following workshop:
   - Rapid Materials Identification using Raman Spectroscopy (Brucker) ACS meeting, Washington, D.C.
4. Completed the following on-line training module:
   a) Hazcom/Right to know 2017
   b) Preventing Sexual Misconduct 2017
   c) Drug & Alcohol-Free Workplace 2018
   d) Internal Control Essentials 2018
   e) Bloodborne Pathogens and MRSA

Martin A. Walker

2. Participated in two webinars regarding the application process for the SUNY Innovative Instruction Technology Grants (IITGs), 2018.