

## **Michelle B. Visser, PhD**

### **Education**

BSc (Biological Sciences), University of Calgary. Calgary, Canada.  
PhD (Veterinary Science), University of Queensland. Brisbane, Australia.  
Postdoctoral Fellow (Microbiology/ Immunology), The University of Toronto. Toronto, Canada.

### **Professional Experience**

2020 – present: Associate Professor, The State University of New York at Buffalo

2013 – 2019: Assistant Professor, The State University of New York at Buffalo



### **Professional Activities**

#### **Society memberships**

- 2014 - present: Society for Leukocyte Biology (SLB)
- 2013 - present : International Association for Dental Research (IADR)
- 2013 - present : American Association for Dental Research (AADR)
- 2010 - present : American Society for Microbiology (ASM)
- 2009 - 2014: American Society for Cell Biology

#### **Scientific Society Service**

- 2024 –2027: Councilor, IADR Microbiology and Immunology Research Group
- 2023 – 2024: Chair, International Association for Dental Research (IADR) Fellowships Awards Committee
- 2022 – present: Member, SLB Awards and Honors Committee
- 2022 – 2025: SLB representative to the FASEB Excellence in Science Awards Committee
- 2021 - 2024: Councilor, SLB
- 2021 – 2024: Member, International Association for Dental Research (IADR) Fellowships Awards Committee
- 2021 – 2024: Member, American Association for Dental and Craniofacial Research (AADR) Fellowships Awards Committee
- 2021: Member, SLB Strategy Task Force
- 2019- 2021: iSLB newsletter Senior Editor
- 2018-2021: Chair, Society for Leukocyte Biology Communications Committee (formerly Website committee)
- 2018- 2019: President, American Association for Dental Research Buffalo Section
- 2017- 2018: Treasurer, American Association for Dental Research Buffalo Section
- 2016- 2017: Secretary, American Association for Dental Research Buffalo Section
- 2016- 2018: Member, Society for Leukocyte Biology Website Committee

2015-2018: Member, American Association for Dental Research Edward H. Hatton Awards Committee

2016 – present: Member, American Society for Microbiology Undergraduate Fellowship review

2015 – present: Member, ABRCMS abstract review

### **University Service**

Member: UB Faculty Senate Committee

Member: UB Faculty Senate Executive Committee

Member: PhD Program in Biomedical Sciences Admission Committee

Member: School of Dental Medicine Infection and Hazard Control Committee

Member: School of Dental Medicine Student and Research Honors Committee

Mentor and Member: Graduate student thesis advisory committees and Trainee mentor

### **Grant and Journal Review**

2023: NIH ODCS Study Section (ad hoc member)

2023: NIH Special Emphasis Panel ZRG1 MSOS-A (04) (ad-hoc member)

2023: NIH Bioengineering of Neuroscience, Vision and Low Vision Technologies Study Section

2019: National Sciences and Engineering Research Councils (NSERC) Discovery Grant Review (External Reviewer)

2017: CIHR Catalyst Grant Virtual Review: Institute of Musculoskeletal Health and Arthritis

2013 – present: Ad Hoc reviewer for over 20 journals (such as Journal of Leukocyte Biology, Infection and Immunity, Cellular Microbiology, mBio, PLoS, Frontiers)

### **Research Interests**

My diverse research interests center broadly on bacterial pathogenesis and host-pathogen interactions. I have had a long-standing interest in the microbiology of disease for many years and during my doctoral and post-doctoral training my interest and training in innate immunity and tissue response developed. The focus of my independent research group is to explore how novel bacterial pathogens associated with chronic periodontal disease modulate neutrophil signaling and promote unique cytokine signatures to promote disease progression in the oral cavity.

### **Statement of Interest**

Soon after beginning my independent research career, I joined SLB to gain exposure to cutting edge research and build networks in the field of leukocyte biology. Upon joining, I encountered an intimate, engaging and active society and I feel fortunate to have been involved in the society in numerous roles. I was first encouraged to join the Website committee (now renamed the Communication Committee) and was later selected to Chair this committee and take on the role of Senior Editor of iSLB electronic newsletter. This was my first interactive experience within SLB which I enjoyed immensely as this allowed me to work first-hand with both leadership and

members to develop the content of and shape the way society communications are provided. In 2021 I was elected to my current position as Councilor where I have appreciated the opportunity to become involved in SLB in a more senior role. As Councilor, I have been able to work with senior leadership to support advancement of the society through my participation in decision-making and idea development in addition to acting as a general liaison with the overall membership. I am a current member of the Awards and Honors Committee and have contributed to fostering the future of SLB through my participation in the Strategy Task Force designed to define focus areas for the Society and identify activities to improve member experiences. I also represent the SLB to the broader scientific community by partaking in the FASEB Excellence in Science Awards Committee. I now look to become involved in a more executive leadership role and I would be honored to serve as society Treasurer. As Treasurer I would strive to diligently perform my duties to maintain fiscal appropriateness for the society and effective communication within the society.

- I will work meticulously to monitor budgets and disbursement of the society's funds to maintain the good of the society. My excellent organization and communication skills will allow to me to effectively maintain records, prepare and present budgets and reports for approval at council meetings.
- I will aim to make recommendations concerning investment and financial polices to maintain income appropriate to support society operations in the best way for the current period and well as the future.
- As allowable by financial means, I will continue to support incentives and opportunities important to the mission of the SLB. It is of utmost importance to maintain advantages and interpersonal interactions which form the unique backbone of this society. Just a few of the important benefits that are crucial to maintain and build upon are a) providing an inclusive environment for individuals of all backgrounds and geographic locations, b) maintain economic value for society meetings and events and c) provide ongoing professional development and support for trainees and members at all career levels.