

AYOKUNLE (AYO) OLANREWAJU

Acting Assistant Professor

Mechanical Engineering | University of Washington

<https://sites.google.com/view/ayokunle>,

206-476-4840 | ayokunle@uw.edu

CURRICULUM VITAE

EDUCATION

- 2017 **McGill University**, Montreal, Quebec, Canada
Ph.D. Biological and Biomedical Engineering
Thesis: 3D-printed Capillaric Circuits for Autonomous Liquid Delivery
Advisor: David Juncker (Biomedical Engineering)
- 2011 **University of Alberta**, Edmonton, Alberta, Canada
MSc, Biomedical Engineering
Advisor: Chris Backhouse (Electrical Engineering)
- 2008 **University of Alberta**, Edmonton, Alberta, Canada
BSc (with Distinction), Electrical Engineering (Biomedical Option)

RESEARCH APPOINTMENTS

- 2020 - now **University of Washington**
Acting Assistant Professor, Mechanical Engineering
Member, Center for AIDS Research
Member, Institute for Translational Health Sciences
- 2018 – 20 **University of Washington**
Postdoctoral Fellow, Mechanical Engineering
Advisors: Jonathan Posner (Mechanical Engineering, Chemical Engineering, Family Medicine)
and Paul Drain (Epidemiology, Global Health, and Medicine)
- 2017 – 18 **McGill University & Sensoreal Inc**
Industrial Postdoctoral Fellow, Biomedical Engineering
- 2012 – 17 **McGill University**
Graduate Research Assistant, Biomedical Engineering
- 2010 – 11 **University of Alberta**
Laboratory Technologist, Microfluidics Development Group
- 2008 – 10 **University of Alberta**
Master's Student, Electrical and Computer Engineering
- 2007 **University of Lübeck**, Germany
DAAD Research Internship in Science and Engineering (RISE) student
Institute for Robotics and Cognitive Systems

RESEARCH INTERESTS

Point-of-care Diagnostics, Microfluidics & Capillary-driven Flow, 3D-printing & Rapid Prototyping, Medication Adherence & Therapeutic Drug Monitoring, Precision Medicine, Personalized Medicine, Functional Assays

HONORS & AWARDS

- 2020 – 22 New Investigator Award, University of Washington/Fred Hutch Center for AIDS Research
- 2019 – 20 Mistletoe Research Fellowship
- 2019 1st Place, Elevator Speech Contest, American Society for Cell Biology Annual Meeting:
<https://youtu.be/r2USzdRwVSY>
- 2017 – 18 MITACS Elevate Industrial Postdoctoral Fellowship
- 2017 Québec Étudiant-Chercheur étoiles (Star Student Researcher)
- 2017 1st Place, Shark Tank Competition, MicroTAS 2017 Conference:
<https://youtu.be/zqPDxmFFDW8>
- 2017 Top 15, Canada-wide NSERC Science Action! Video Competition:
<https://youtu.be/PzED8k9HQNU>
- 2016 McGill Biomedical Engineering Department, GREAT Travel Award
- 2015 CMBS Young Investigator Travel Award
- 2014 CIHR Systems Biology Training Program Travel Award
- 2014 Quebec International Merit Scholarship for Foreign Students
- 2012 – 15 CIHR Systems Biology Training Program PhD Fellowship
- 2012 – 14 NSERC CREATE Integrated Sensor Systems PhD Fellowship
- 2012 McGill University Biomedical Engineering Department Recruitment Award
- 2009 – 10 Alberta Innovates Graduate Scholarship in Nanotechnology
- 2007 DAAD RISE Internship in Science and Engineering
- 2007 Fluor Canada Ltd Scholarship
- 2006 Thirst for Knowledge Undergraduate Scholarship
- 2006 1st Place, University of Alberta Engineering Competition
- 2005 Talisman Energy Undergraduate Scholarship
- 2005 University of Alberta Undergraduate Scholarship
- 2004 Registrar's International Student Scholarship

FUNDING

Awarded funding

- 2020 – 25 **Title:** A novel REverSe TRanscrIptase Chain Termination (RESTRICT) assay for near-patient, objective monitoring of long-term pre-exposure prophylaxis (PrEP) adherence
Sponsor: National Institutes of Health – NIH/NIAID R01-AI157756
Project period: 09-November-2020 to 31-October-2025

Amount: \$3,839,095

Role: Co-Investigator (Principal Investigators: Jonathan Posner, Paul Drain)

- co-wrote ~75% of the science.

- 2020 – 22 **Title:** A rapid enzymatic assay for measurement of adherence to pre-exposure prophylaxis
Sponsor: University of Washington/Fred Hutch Center for AIDS Research New Investigator Award
Project period: 01-July-2020 to 30-June-2022
Amount: \$90,000
Role: Principal Investigator
- 2020 – 21 **Title:** Rapid test for measuring adherence to pre-exposure prophylaxis and antiretroviral therapy for HIV
Sponsor: CoMotion Innovation Gap Fund
Project period: 01-January-2020 to 31-December-2020
Amount: \$50,000
Role: Co-Investigator (Principal investigator: Paul Drain) – co-wrote 100% of the science
- 2019 – 20 **Title:** Unfettered Research Grant
Sponsor: Mistletoe Research Fellowship (now Momental Foundation)
Project period: 01-September-2019 to 30-June-2020
Amount: \$10,000
Role: Principal Investigator
- 2017 – 18 **Title:** Self-powered microfluidics for rapid diagnosis and severity determination of urinary tract infections
Sponsor: MITACS Elevate Industrial Postdoctoral Fellowship
Project period: 05-September-2017 to 04-September-2018
Amount: \$45,000
Role: Principal Investigator

Pending proposals

- 2021 – 22 **Title:** Fast HIV drug level monitoring
Sponsor: Atlanta Center for Microsystems Engineered Point of Care Technologies
Project period: 01-June-2021 to 31-December-2022
Amount: up to \$180,000
Role: Principal Investigator (Co-Investigators: Jonathan Posner, Paul Drain)
- Submitted letter of intent in March 2020 and was invited to submit full proposal in September 2020.

PUBLICATIONS

* Denotes students that I mentored

Preprints and Submitted Manuscripts

- [3] Zhang J, Zhang Y, Sullivan B, **Olanrewaju A**, Bender A, Lillis L, Boyle D, Drain P, Posner J, (2020) HIV Pre-Exposure Prophylaxis Adherence Test Using Reverse Transcription Isothermal Amplification Inhibition Assay, *In review*. DOI: [10.21203/rs.3.rs-113196/v1](https://doi.org/10.21203/rs.3.rs-113196/v1)
- [2] Seah Y.M, Chang A.M, Dabee S, Davidge B, Erickson J.R, **Olanrewaju A.O**, Price R.M, (2020) Pandemic-related instructor talk: how new instructors supported students at the onset of the COVID-19 pandemic. *In revision*, *Journal of Microbiology Education*.

- [1] **Olanrewaju A.O**, Sullivan B.P, Bardon A.R, Lo T.J*, Cressey T.R, Posner J.D, Drain P.K, (2020) Pilot Evaluation of a Rapid Enzymatic Assay for Measuring Antiretroviral Drug Concentrations. *In revision*, *Virology Journal*, DOI: [10.21203/rs.3.rs-104033/v1](https://doi.org/10.21203/rs.3.rs-104033/v1)

Peer-reviewed Journal Articles

- [5] Drain P.K, Bardon A.R, Simoni J.M, Cressey T.R, Anderson P, Sevenler D, **Olanrewaju A.O**, Gandhi M, Celum C. (2020) Point-of-Care and Near-Patient Antiretroviral Testing for Monitoring Adherence to HIV Treatment and Prevention, *Current HIV/AIDS Reports*. DOI:[10.1007/s11904-020-00512-3](https://doi.org/10.1007/s11904-020-00512-3)
- **Times cited: 1**
- [4] **Olanrewaju A.O**, Sullivan B.P, Zhang J.Y, Bender A.T, Sevenler D, Lo T.J*, Fernandez-Suarez M, Drain P.K, and Posner J.D. (2020) Enzymatic Assay for Rapid Measurement of Antiretroviral Drug Levels. *ACS Sensors*, 5(4), 952 – 959. DOI:[10.1021/acssensors.9b02198](https://doi.org/10.1021/acssensors.9b02198).
- **Times cited: 2**
- **Featured in *C & EN news***
- [3] **Olanrewaju A.O**, Beaugrand M, Yafia M, and Juncker D. (2018) Capillary microfluidics in microchannels: from microfluidic networks to capillary circuits, *Lab on a Chip*, 18 (16), 2323-2347. DOI:[10.1039/C8LC00458G](https://doi.org/10.1039/C8LC00458G).
- **Times cited: 75**
- **Featured on the cover of *Lab on a Chip***
- [2] **Olanrewaju A.O**, Ng A, DeCorwin-Martin P, Robillard A*, and Juncker D. (2017) Microfluidic Capillary Circuit for Rapid and Facile Bacteria Detection, *Analytical Chemistry*, 89, 6846 – 6853. DOI:[10.1021/acs.analchem.7b01315](https://doi.org/10.1021/acs.analchem.7b01315)
- **Times cited: 25**
- [1] **Olanrewaju A.O**, Robillard A*, Dagher M, and Juncker D. (2016) Autonomous Microfluidic Capillary Circuits Replicated from 3D-Printed Molds”, *Lab on a Chip*, 16 (19), 3804 – 3814. DOI:[10.1039/C6LC00764C](https://doi.org/10.1039/C6LC00764C).
- **Times cited: 25**

Oral Presentations

- [5] **Olanrewaju A.O**, Yafia M, Beaugrand M, Possel F, and Juncker D (2017) Domino Capillary Circuits: 3D-Printed Capillary Microfluidics for Scalable, Sequential, and Simultaneous Liquid Delivery, *The 21st International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Savannah, USA.
- **<10% acceptance rate among ~1,000 attendees.**
- [4] **Olanrewaju A.O** and Juncker D, (2016) Design Rules for 3D-Printed Autonomous Capillary Circuits, *The 20th International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Dublin, Ireland.
- **<10% acceptance rate among ~1,000 attendees.**
- [3] **Olanrewaju A.O**, Ng A, Robillard A*, and Juncker D, (2015) 3D-Printed Capillary Circuits for Ultrarapid Bacteria Detection Using Packed Bead Columns Assembled On-the-spot, *The 19th International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Gyeongju, Korea.
- **<10% acceptance rate among ~1,000 attendees**

- [2] **Olanrewaju A.O**, Safavieh R, and Juncker D. Bacteria Capture in Capillary-Driven Microfluidic Device, (2014) *2nd Annual Symposium of the Systems Biology Training Program*, McGill University, Montreal, Canada.
- [1] **Olanrewaju A.O**, Behnam M, , Martinez-Quijada J, Hejazi F, Banting G, Bidulock A, Groendahl S, Johnstone R.W, Glerum D.M, and Backhouse C.J. (2010) Towards a portable and inexpensive genetic analysis toolkit for point-of-care applications, *Engineering Graduate Research Symposium*, University of Alberta, Canada

Poster Presentations

- [18] Gim. A.H*, **Olanrewaju A.O**, Sullivan B.P, Drain K.P, Posner, J.D. (2020) "Calibrating a Theoretical Model for Rapid, Near-Patient Measurement of Antiretroviral Drug Concentrations", *Gulf Coast Undergraduate Research Symposium*, Virtual Event
- [17] Gim. A.H*, **Olanrewaju A.O**, Sullivan B.P, Drain K.P, Posner, J.D. (2020) "Calibrating a Theoretical Model for Rapid, Near-Patient Measurement of Antiretroviral Drug Concentrations", *University of Washington Summer Undergraduate Research Symposium*, Virtual Event
- [16] **Olanrewaju A.O**, Sullivan B.P., Lo, T.J.*, Cressey T.R, Posner J.D., Drain P.K. (2020) Pilot evaluation of an enzymatic assay for rapid measurement of antiretroviral drug concentrations, *Cell Bio Virtual 2020*
- [15] **Olanrewaju A.O**, Sullivan B, Zhang J.Y, Sevenler D, Bender A.T, Lo T.J*, Fernandez-Suarez M, Drain P.K, Posner J.D. (2019) A Rapid Enzymatic Assay for Near-Patient Measurement of Adherence to HIV Pre-Exposure Prophylaxis, *Annual Meeting of the American Society for Cell Biology*
- [14] **Olanrewaju A.O**, Sullivan B, Zhang J.Y, Sevenler D, Bender A.T, Lo T.J*, Fernandez-Suarez M, Drain P.K, Posner J.D. (2019) A Rapid Enzymatic Assay for Near-Patient Measurement of Adherence to HIV Pre-Exposure Prophylaxis, *The 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Basel, Switzerland.
- [13] Zhang J.Y, **Olanrewaju A.O**, Bender A.T, Zhang Y, Drain P.K, Posner J.D. (2019) An ultrasensitive, semi-quantitative measurement of HIV nucleoside reverse transcriptase inhibitors (NRTI) with RT-recombinase polymerase amplification (RT-RPA) for rapid PrEP adherence testing. *The 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Basel, Switzerland.
- [12] Zhang J.Y, **Olanrewaju A.O**, Bender A.T, Zhang Y, Drain P.K, Posner J.D. (2019) An ultrasensitive, semi-quantitative measurement of HIV nucleoside reverse transcriptase inhibitors (NRTI) with RT-recombinase polymerase amplification (RT-RPA) for rapid ART and PrEP adherence testing, *Annual meeting of the Biomedical Engineering Society (BMES)*, Philadelphia, PA, USA.
- [11] **Olanrewaju A.O**, Sullivan B, Zhang J.Y, Sevenler D, Bender A.T, Lo T.J*, Fernandez-Suarez M, Bardon A.R, Stekler JD, Drain P.K, Posner J.D. (2019) Enzymatic Assay for Near-Patient Measurement of Long-Term ART and PrEP Adherence, *The 14th International Conference on HIV Treatment and Prevention Adherence*, Miami, FL, USA.
- [10] **Olanrewaju A.O**, Lenzen P*, Ymbern O, Yafia M, and Juncker D. (2018) 3D-Printed Domino Capillary Circuits for Colorimetric Bacteria Detection in Urine, *The 22nd International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Kaohsiung, Taiwan.

- [9] Ymbern O, Lenzen P*, **Olanrewaju A.O**, Tavakoli A, Yafia M, and Juncker D. (2018) Microchannel-based capillary microfluidics: From simple networks to capillary circuits, *The 16th IEEE International New Circuits and Systems Conference (NEWCAS)*, Montreal, Canada.
- [8] **Olanrewaju A.O**, Safavieh R, and Juncker D. (2017) The Urine Chip: Rapid Urinary Tract Infection Diagnosis in 7 minutes, *MEDTEQ Forum*, Montreal, Canada
- [7] **Olanrewaju A.O**, Ng A, and Juncker D. (2015) Rapid and inexpensive manufacture of 3D printed capillary circuits for point-of-care diagnostics, *Gordon Research Conference on the Physics & Chemistry Microfluidics*, Vermont, USA.
- [6] **Olanrewaju A.O**, Ng A, and Juncker D. (2014) Capillary Circuits for Fast and Sensitive Bacteria Detection, *Annual Meeting of the Biomedical Engineering Society (BMES)*, San Antonio, USA.
- [5] Laforte V, **Olanrewaju A.O**, and Juncker D. (2013) Low-cost, high liquid volume silicon quill pins for robust and reproducible printing of antibody microarrays, *The 17th International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Freiburg, Germany.
- **Times cited: 3**
- [4] Safavieh R, **Olanrewaju A.O**, and Juncker D. (2013) Autonomous capillary microfluidic systems for time-sensitive delivery of multiple liquids, *NSERC CREATE Integrated Sensor Systems Summer School*, Montreal, Canada.
- **Received Best Poster Award.**
- [3] Safavieh R, **Olanrewaju A.O**, and Juncker D. (2013) Autonomous capillary microfluidic systems for time-sensitive delivery of multiple liquids, *Systems Biology Training Program Symposium*, McGill University, Montreal, Canada
- [2] Safavieh R, **Olanrewaju AO**, and Juncker D. (2012) Capillary-based microfluidic system for sequential delivery of multiple liquids, *Microfluidics 2.0: Workshop on Capillary-based Microfluidics for Bioanalysis*, Boston, USA.
- [1] Behnam M, **Olanrewaju A.O**, Martinez-Quijada J, Hejazi F, Banting G, Bidulock A, Groendahl S, Johnstone R.W, Glerum D.M, Backhouse C.J. (2010) Inexpensive and portable sample-in-answer-out genetic analysis systems for point of care applications, *The 14th International Conference on Miniaturized Systems for Chemistry and Life Sciences*, Groningen, Netherlands.

PATENT APPLICATIONS

- [3] **Olanrewaju A.O**, Sullivan B.P, Sevenler D, Bender A.T, Zhang J.Y, Sandlin R.D, Drain P.K, Posner J.D. (2019) An enzymatic assay to measure long-term adherence to pre-exposure prophylaxis and antiretroviral therapy, PCT/US2020/037609.
- [2] Juncker D, **Olanrewaju A.O**, and Yafia M. (2017) Domino Capillary Circuits: 3D-Printed Capillary Microfluidics for Scalable, Sequential, and Simultaneous Liquid Delivery, US Provisional Patent Application No. 62/575418.
- [1] Juncker D, and **Olanrewaju A.O**. (2015) Fluidic Circuits and Methods for Bacterial Screening, PCT/CA2016/051232.

INVITED LECTURES AND SEMINARS

- 10/2020 Boston University, Biomedical Engineering Department, Emerging Scholars Symposium
- *Towards point-of-care detection of antiretroviral drug concentrations for improving human immunodeficiency virus (HIV) treatment and prevention.*

- 10/2020 University of Washington, Mechanical Engineering Department
- *Towards a rapid and accessible test for measuring antiviral drug levels to improve HIV treatment and prevention.*
- 07/2020 University of Washington, Undergraduate Research Program
- *My Research, Motivation, and Journey in Academia.*
- 06/2020 University of Washington, Diversity in UW STEM Research Seminar
- *Developing diagnostic tools to monitor the effectiveness of antiretroviral treatment and prevention*
- 06/2020 University of Washington, Molecular Engineering & Sciences Institute
- *An enzymatic assay for fast and accessible measurement of antiretroviral drug levels.*
- 02/2020 University of Washington, Bioengineering Department
- *Towards a fast and accessible test for measuring medication adherence to HIV treatment and prevention.*

TEACHING EXPERIENCE

- 2020 **Guest Lecturer**, BIOEN 457/557, Advanced Molecular Engineering, Bioengineering Department, University of Washington
- 2020 **Guest Lecturer**, GEN ST 297, Diversity in UW STEM Research Seminar, University of Washington
- 2020 **Guest lecturer**, BIOEN 485/585, Computational Bioengineering, Molecular Engineering & Sciences Institute, University of Washington
- 2020 **Co-Instructor**, Biology 285A: Diseases, Diagnostics, and Treatments, University of Washington
- Science Teaching Experience Program: Working in Science Education
- 2012 – 17 **Instructor**, Hands-on workshop in Micro- and Nano-bioengineering, McGill University
- 2012 **After-school Tutor**, Let's Talk Science Outreach Program, McGill University
- 2009 – 10 **In-class Presenter**, Let's Talk Science Outreach Program, University of Alberta
- Received Most Outstanding Health Workshop Volunteer Award
- 2009 **Teaching Assistant**, EE 457, Microfabrication and Devices, Electrical and Computer Engineering Department, University of Alberta
- 2005 **Instructor**, DiscoverE Science & Engineering Camps, University of Alberta

RESEARCH ADVISING

Graduate Students

- 2020 – now Ross Nelson, Master's student, Chemical Engineering, University of Washington (UW)
- Project: Integrase activity assays for measuring concentrations of dolutegravir and cabotegravir.
- 2019 – 20 Tiffany Lo, Master's student, Materials Science & Engineering, UW
- Master's thesis: RESTRICT assay with long DNA templates
 - Undergraduate project: RESTRICT assays at room temperature
- 2018 Philippe Lenzen, Master's student, Biomedical Engineering, McGill University
- Project: Capillary circuits for self-regulated detection of salivary biomarkers

- On exchange from École Polytechnique fédérale de Lausanne, Switzerland

- 2016 Florian Pospel, Master's student, Biomedical Engineering, McGill University
- Project: domino microfluidics for scalable, sequential, and simultaneous liquid delivery.
 - On exchange from University of Tübingen, Germany

Undergraduate Students

- 2020 – now Jason Chan, Biology, UW
- Project: RESTRICT assay with dried blood spots
- 2020 – now Alicia Gim, Chemical Engineering, UW
- Project: Automating and optimizing a mathematic model of the RESTRICT assay
 - Received CoMotion Mary Gates Innovation Summer Internship
 - Received Washington Research Foundation Fellowship
- 2020 – now Yonas Meshesha, Bioengineering, UW
- Project: Optimization of RESTRICT assay to operate with a low-cost reader
 - Received Washington Research Foundation Fellowship
- 2020 – now Katherine Zhang, Bioengineering, UW
- Project: Multiplexed RESTRICT assays with rationally designed DNA templates and molecular beacons
 - Received CoMotion Mary Gates Innovation Summer Internship
- 2014 – 15 Alessandra Robillard, Mechanical Engineering, McGill University
- Project: Rapid and inexpensive 3D-printing of capillary circuits
 - Received Integrated Sensor Systems Summer Training Fellowship
- 2014 – 15 Rivka Cohen, Mechanical Engineering, McGill University
- Project: Rapid and inexpensive 3D-printing of capillary circuits
- 2014 – 15 Luigi Corrado, Mechanical Engineering, McGill University
- Project: Rapid and inexpensive 3D-printing of capillary circuits
- 2014 – 15 Andrew Luongo, Mechanical Engineering, McGill University
- Project: Rapid and inexpensive 3D-printing of capillary circuits
- 2012 Anupam Yadav, McGill University
- Project: Microfluidics powered by gas from a chemical reaction.
 - on exchange from India on MITACS Summer Internship

DIVERSITY, EQUITY, AND INCLUSION EFFORTS

- 2020 – now Volunteer, Graduate Student Mentorship Initiative, Cientifico Latino
- 2020 – now Member, National Society of Black Engineers
- 2020 – now Member, UNITE, University of Washington
- Group devoted to advancing justice, equity, diversity, and inclusion in STEM.
- 2020 Panelist, University of Washington School of Medicine Anti-Racism Town Hall
- 2020 Guest Lecturer, University of Washington, Diversity in UW STEM Research Seminar
- 2019 – 20 Organizer, Crafting Effective Diversity Statements Workshops
- University of Washington Postdoc Diversity Alliance
- 2019 Panelist, Managing the Student to Postdoc Transition as an Underrepresented Minority

- 2018 – now Founding Member, Postdoc Diversity Alliance, University of Washington
- Organization that provides community and support for postdocs from historically underrepresented backgrounds and their allies/accomplices.
- 2015 – 16 Member, Equity and Diversity Committee, McGill Post Graduate Students' Society

PROFESSIONAL DEVELOPMENT & SERVICE

- 2020 – now Coordinator, K99/R00 Peer Mentoring Group, University of Washington & Beyond
- 2020 Panelist, Accomplishing Career Transitions (ACT) Program Networking Session, Cell Bio Virtual 2020
- 2020 Panelist, Science Teaching Experience Program, Future Faculty Fellows Workshop, University of Washington
- 2019 – 20 Science Teaching Experience for Postdocs, University of Washington
- 2019 – now American Society for Cell Biology Accomplishing Career Transitions Program
- Cohort training program for postdocs and junior faculty from historically underrepresented backgrounds in STEM.
- 2019 Startup Collaboration Program, Mistletoe Research Fellowship
- 2019 Future Faculty Fellows Workshop, University of Washington
- 2019 BIO 2019 I-Corps Bio-Entrepreneurship Workshop & Travel Award
- 2019 Art of Science Communication Course
- 2018 Judge, Washington Regional Junior Science and Humanities Symposia
- 2016 – 17 Steering Committee for Undergraduate Skills Development, McGill University
- 2016 Advisory Committee for the Selection of Dean of Students, McGill University
- 2015 – 16 Member Support Commissioner, Postgraduate Students' Society, McGill University
- 2012 – 15 Councilor, Postgraduate Students' Society, McGill University
- 2012 Learning to Teach Day, McGill University

PEER REVIEW

ACS Applied Materials & Interfaces, Analytical Chemistry, Angewandte Chemie Int. Ed., Biosensors, Lab on a Chip, Langmuir, Micromachines, Microsystems and Nanoengineering, MicroTAS Conference, New England Journal of Medicine, RSC Advances, Sensors, Technology

PROFESSIONAL SOCIETY MEMBERSHIPS

American Association for the Advancement of Science (AAAS), American Society for Biochemistry and Molecular Biology (ASBMB), American Society of Cell Biology (ASCB), American Society for Microbiology (ASM), Biomedical Engineering Society (BMES), National Society of Black Engineers (NSBE)