

EDUCATION

- 2019 **Massachusetts Institute of Technology**, Cambridge, MA
Ph.D., Chemical Engineering
Advisors: Daniel G. Anderson, Robert Langer
- 2016 **Massachusetts Institute of Technology**, Cambridge, MA
M.S., Chemical Engineering Practice
Companies: Astra Zeneca, Woodside Energy
- 2014 **University of Cambridge**, Cambridge, UK
M.Phil., Chemistry
Advisor: Tuomas P. J. Knowles
- 2013 **University of Pittsburgh**, Pittsburgh, PA
B.S., Chemical Engineering (GPA: 3.97/4.00)
Minors: Chemistry, Bioengineering

AREAS OF EXPERTISE

Immunoengineered cardiovascular therapies, metabolic diseases, protein engineering, cancer immunotherapy, polymersomes, glucose-responsive insulin delivery

ACADEMIC RESEARCH APPOINTMENTS

- 2022 - **University of Chicago**, Pritzker School of Molecular Engineering, Chicago, IL
American Heart Association Postdoctoral Fellow
Advisor: Jeffrey A. Hubbell
Fellowship Title: *Targeting anti-inflammatory cytokines to low density lipoproteins for the treatment of atherosclerosis*
- 2020 - 2022 **University of Chicago**, Pritzker School of Molecular Engineering, Chicago, IL
T32 Postdoctoral Fellow, NIH NHLBI
Advisor: Jeffrey A. Hubbell
Project Title: *Enhancing humoral response of polymersome-based SARS-CoV-2 vaccines through surface display of antigen*
- 2015 - 2020 **MIT**, Department of Chemical Engineering, Cambridge, MA
NSF Graduate Research Fellow
Advisors: Daniel G. Anderson, Robert Langer
Thesis Title: *Development and Evaluation of Glucose-Responsive Biomaterials as Self-Regulated Insulin Delivery Systems*
- 2013 - 2014 **University of Cambridge**, Department of Chemistry, Cambridge, UK
Whitaker International Fellow, Institute of International Education
Advisor: Tuomas P. J. Knowles
Thesis Title: *Synthesis and Characterisation of Protein Microgels for Drug Delivery Applications*
- 2011 - 2013 **University of Pittsburgh**, Department of Bioengineering, Pittsburgh, PA
Undergraduate Research Assistant
Advisor: Yadong Wang
Project Title: *Fabrication of Porous Poly(Sebacoyl Diglyceride) Scaffolds for Applications in Soft Tissue Engineering*
- 2012 **University of Washington**, Department of Bioengineering, Seattle, WA
Amgen Scholar, Amgen Foundation
Advisor: Suzie Pun
Project Title: *Synthesis of Biodegradable Polyester-Modified Reduction-Sensitive Block Copolymers as Efficient Gene Vectors*

PEER REVIEWED PUBLICATIONS (FIRST AUTHOR)

1. **Volpatti LR**, Bochenek MA, Facklam AL, Burns DM, MacIsaac C, Morgart A, Walters B, Langer R, Anderson DG. Partially oxidized alginate as a biodegradable carrier for glucose-responsive insulin delivery and islet cell replacement therapy. *Adv. Healthc. Mater.* 2022, 202201822

2. **Volpatti LR**, Burns DM, Basu A, Langer R, Anderson DG. Engineered insulin-polycation complexes for glucose-responsive delivery with high insulin loading. *J. Control. Release.* 2021, 338, 71-79. (*Inside Front Cover Art*)
3. **Volpatti LR***, Wallace RP*, Cao S*, Raczy MM*, Wang R*, ..., Hubbell JA. Polymersomes Decorated with the SARS-CoV-2 Spike Protein Receptor-Binding Domain Elicit Robust Humoral and Cellular Immunity. *ACS Cent. Sci.* 2021, 7, 1368-1380. *Equal contribution
4. **Volpatti LR**, Facklam AL, Cortinas AB, Lu Y-C, Matranga MA, MacIsaac C. Hill M, Langer R, Anderson DG. Microgel encapsulated nanoparticles for glucose-responsive insulin delivery. *Biomaterials.* 2021, 267, 120458.
5. **Volpatti LR**, Hanson AJ, Schall JM, Dunietz JN, Chen AX, Chitnis R, Alm EJ, Takemura A, Chien DM. Quantitative Assessment of Students' Revision Processes. *2020 ASEE Virtual Annual Conference Proceedings*, DOI: 10.18260/1-2--35117.
6. **Volpatti LR**, Rodby K, Singh GK, Kaushal B, Adams KM, Hammond PT, Rankin S. Promoting an Inclusive Lab Culture through Custom In-Person Trainings within an Engineering Department. *2020 ASEE Virtual Annual Conference Proceedings*, DOI: 10.18260/1-2--35102.
7. **Volpatti LR**, Matranga MA, Cortinas AB, Daniel KB, Langer R, Anderson DG. Glucose-Responsive Nanoparticles for Rapid and Extended Self-Regulated Insulin Delivery. *ACS Nano.* 2020, 14, 488-497. (*ACS Editors' Choice Article*)
8. Facklam AL*, **Volpatti LR***, Anderson DG. Biomaterials for Personalized Cell Therapy. *Adv. Mater.* 2019, 32, 1902005. *Equal contribution
9. **Volpatti LR**, Shimanovich U, Ruggeri FS, Bolisetty S, Müller T, Mason TO, Michaels TCT, Mezzenga R, Dietler G, Knowles TPJ. Micro- and nanoscale hierarchical structure of core-shell protein microgels. *J. Mater. Chem. B.* 2016, 4, 7989-7999.
10. **Volpatti LR** and Yetisen AK. Commercialization of microfluidic devices. *Trends Biotechnol.* 2014, 7, 347-350.
11. **Volpatti LR** and Knowles TPJ. Polymer Physics Inspired Approaches for the Study of the Mechanical Properties of Amyloid Fibrils. *J. Polym. Sci. B Polym. Phys.* 2014, 52, 281-292.
12. **Volpatti LR**, Vendruscolo M, Dobson CM, Knowles TPJ. A Clear View of Polymorphism, Twist, and Chirality in Amyloid Fibril Formation. *ACS Nano.* 2013, 7, 10443-10448.
13. **Volpatti LR**, Byland LM, Bodnar CA. Implementation of a Sexual Harassment Workshop Targeting Female Engineers. *2014 ASEE Annual Conference Proceedings*, DOI: 10.18260/1-2--20597.

PEER REVIEWED PUBLICATIONS (CONTRIBUTING AUTHOR)

1. Gray LT, Raczy MM, Briquez PS, Marchell TM, Alpar AT, Wallace RP, **Volpatti LR**, ..., Hubbell JA. Generation of potent cellular and humoral immunity against SARS-CoV-2 antigens via conjugation to a polymeric glyco-adjuvant. *Biomaterials.* 2021, 278, 121159.
2. Bose S, **Volpatti LR**, Thiono D, Yesilyurt V, McGladian C, Tang Y, Facklam A, Wang A, Jhunjhunwala S, Veiseh O, Hollister-Lock J, Bhattacharya C, Weir GC, Greiner DL, Langer R, Anderson DG. A retrievable implant for the long-term encapsulation and survival of therapeutic xenogeneic cells. *Nat. Biomed. Eng.* 2020, 4, 814-826.
3. Yetisen AK, Butt H, **Volpatti LR**, ..., Khademhosseini A, Hahn SK, Yun SH. Photonic Hydrogel Sensors. *Biotechnol. Adv.* 2016. 250-271.
4. Yetisen AK, **Volpatti LR**, Coskun AF, Cho S, Kamrani E, Butt H, Khademhosseini A, Yun SH. Entrepreneurship. *Lab Chip*, 2015, 15, 3638-3660.
5. Yetisen AK and **Volpatti LR**. Patent Protection and Licensing in Microfluidics. *Lab Chip.* 2014, 14, 2217-2225. (Corresponding author)
6. Wei H, **Volpatti LR**, Sellers DL, Maris DO, Andrews IW, Hemphill AS, Chan L, Chu D, Horner P, Pun S. Dual Responsive, Stabilized Nanoparticles for Efficient In Vivo Plasmid Delivery. *Angew. Chem. Int. Ed.* 2013, 52, 5377-5381. (VIP Publication)

PATENT APPLICATIONS

1. **Volpatti L**, Williford J-M, Montiel M, Hubbell J, Rosenthal J. Methods of inducing neoantigens in tumors. *Invention Disclosure Filed.*

2. Bose S, Yesilyurt V, **Volpatti LR**, Langer R, Anderson DG. Biocompatible microfabrication devices for transplanting cells. US Patent Application no: 16007922.

INVITED PRESENTATIONS

1. **American Institute of Chemical Engineers**, Nov. 2022. "Viral Delivery of RNA Editing Machinery Enhances Immunogenicity of Cold Tumors"
2. **American Society for Pharmacology and Experimental Therapeutics**, Great Lakes Chapter, Young Investigator Symposium, 2021. "Evaluating antigen formulation in COVID-19 subunit vaccines: surface display elicits neutralizing antibodies."
3. **University of Toronto, Nanomedicine Journal Club**, 2020. "Glucose-Responsive Nanoparticles for Rapid and Extended Self-Regulated Insulin Delivery." (Virtual)
4. **Caltech**, Andrew and Peggy Cherng Department of Medical Engineering, Young Investigator Lectures in Engineering and Applied Science, 2020. "Engineering Glucose-Responsive Insulin Delivery across Length and Time." (Virtual)
5. **Virtual Flash Talk Competition**, Controlled Release Society Young Scientist Committee, 2020. "Degradable Alginate Microgels for Glucose-Responsive Insulin Delivery." (Virtual; First Place Winner)
6. **Virtual Seminars in Biomedical Science**, 2020. "Engineered Hydrogels for Bioresponsive Delivery." (Virtual)
7. **University of Washington**, Department of Chemical Engineering, Distinguished Young Scholars Seminar, 2019. "Developing Smart Insulin Delivery Systems on Timescales Ranging from Hours to Weeks." (Best Speaker Award).
8. **University of Arizona**, Department of Chemical and Environmental Engineering, 2019, "Functional Biomaterials for On-Demand Therapeutic Delivery."
9. **Case Western Reserve University**, Department of Chemical and Biomolecular Engineering, 2018. "Functional Biomaterials for On-Demand Therapeutic Delivery."
10. **Whitaker International Program Orientation**, 2017. "Micro- and nanoscale hierarchical structure of core-shell protein microgels." (Poster)

CONFERENCE AND SYMPOSIUM PRESENTATIONS

1. **Biomedical Engineering Society**, San Antonio, TX, 2022. "Induction of Neoantigens Renders Cold Tumors Susceptible to Immune Checkpoint Inhibitors." (Oral)
2. **Vascular Discovery**, American Heart Association Meeting, Seattle, WA, 2022. "Modulating Inflammation in Atherosclerosis Through Engineered Anti-Inflammatory Cytokine Delivery." (Poster & Investigator in Training Award Finalist)
3. **American Association of Immunologists Annual Meeting**, Portland, OR, 2022. "Targeted IL-10 Locally Suppresses Inflammation in Atherosclerotic Sites." (Poster)
4. **Autumn Immunology Conference**, Chicago, IL, 2021. "Targeting Inflammation to Treat Atherosclerotic Plaques." (Poster & Oral)
5. **American Institute of Chemical Engineers Annual Meeting**, Boston, MA, 2021. "Polymersomes Decorated with the SARS-CoV-2 Spike Protein Receptor-Binding Domain Elicit Robust Humoral and Cellular Immunity." (Oral)
6. **Controlled Release Society Annual Meeting**, Virtual, 2021. "Surface-Conjugated Polymersomes Provide Antigen-Specific Humoral and Cellular Responses against SARS-CoV-2." (Selected as 1 of 3 Podium Presentations)
7. **American Institute of Chemical Engineers Annual Meeting**, Virtual, 2020. "Oxidized Alginate Microgels for Drug Delivery and Cell Encapsulation." (Pre-Recorded Presentation)
8. **American Society of Engineering Education Annual Conference**, Virtual, 2020. "Promoting an Inclusive Lab Culture through Custom In-Person Trainings within an Engineering Department." (Virtual Presentation)
9. **Controlled Release Society Annual Meeting**, Virtual, 2020. "Biodegradable Alginate Microgels for Glucose-Responsive Insulin Delivery and Islet Cell Transplantation." (Poster)
10. **Immune Modulation and Engineering Symposium**, Virtual, 2020. "Development of a Polymersome-Based Subunit Vaccine against SARS-CoV-2." (Award for Best Poster)

11. **US-Japan Symposium on Drug Delivery Systems**, Lahaina, HI, 2019. "Microgels Encapsulating Glucose-Responsive Nanoparticles for Self-Regulated Insulin Delivery." (Poster & Oral)
12. **American Institute of Chemical Engineers Annual Meeting**, Orlando, FL, 2019. "Electrostatic Complexation of Insulin and Polycations as Glucose-Responsive Delivery Systems." (Oral)
13. **American Institute of Chemical Engineers Annual Meeting**, Orlando, FL, 2019. "Glucose-Responsive Nanoparticles Based on Enzymatic Sensors for Self-Regulated Insulin Delivery." (Oral)
14. **Gordon Research Seminar and Conference: Biomaterials and Tissue Engineering**, Castelldefels, Spain, 2019. "Glucose-Responsive Insulin Delivery across Length Scales: pH-Sensitive Nanoparticles Encapsulated in Alginate Microgels." (Poster)
15. **Controlled Release Society Annual Meeting**, Valencia, Spain, 2019. "Microgels Encapsulating Glucose-Responsive Nanoparticles for Self-Regulated Insulin Delivery." (Oral)
16. **American Institute of Chemical Engineers Annual Meeting**, Pittsburgh, PA, 2018. "Functional Biomaterials for Smart Delivery of Therapeutics." (Poster)
17. **American Institute of Chemical Engineers Annual Meeting**, Pittsburgh, PA, 2018. "Approaches for Creating Smart Insulin Delivery Systems." (Oral).
18. **American Institute of Chemical Engineers Annual Meeting**, Pittsburgh, PA, 2018. "In Vivo Characterization of Glucose Responsive Insulin Delivery Systems." (Oral)
19. **Biomedical Engineering Society Annual Meeting**, Atlanta, GA, 2018. "Optimization and Characterization of Glucose-Responsive Insulin Delivery Systems." (Oral)
20. **Langer Lab Symposium**, Cambridge, MA, 2018. "Glucose-Responsive Materials for Self-Regulated Insulin Delivery." (Poster)
21. **ComSciCon**, Boston, MA, 2018. "Discipline-Specific, Peer-to-Peer Coaching: The MIT Communication Lab Model." (EPoster)
22. **MIT Polymer Day**, Cambridge, MA, 2018. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Poster)
23. **US-Japan Symposium on Drug Delivery Systems**, Lahaina, HI, 2017. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Poster)
24. **American Institute of Chemical Engineers Annual Meeting**, Minneapolis, MN, 2017. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Oral)
25. **Society of Women Engineers Conference**, Austin, TX, 2017. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Rapid Fire Competition First Place Winner)
26. **Biomedical Engineering Society Annual Meeting**, Phoenix, AZ, 2017. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Oral)
27. **ACS National Meeting**, Washington D.C., 2017. "Acetalated Dextran Nanoparticles for Rapid and Glucose-Responsive Insulin Delivery." (Award Session Oral Presentation).
28. **Society of Women Engineers Conference**, Houston, TX, 2012. "Fabrication of Porous Poly(Sebacoyl Diglyceride) Scaffolds for Applications in Soft Tissue Engineering." (Technical Poster Competition Finalist and 2nd Place Winner)
29. **Society for Advancement of Chicanos/Hispanics and Native Americans in Science Conference**, Seattle, WA, 2012. "Synthesis of Biodegradable Polyester-Modified Reduction-Sensitive Block Copolymers as Efficient Gene Vectors." (Poster)

SCHOLARSHIPS AND AWARDS

2022	Women in Chemical Engineering Travel Award, American Institute of Chemical Engineers
2022	ATVB Investigator in Training Award Finalist, American Heart Association
2021	American Heart Association Postdoctoral Fellowship, American Heart Association
2020	T32 Postdoctoral Fellowship, NIH NHLBI
2020	Poster Competition 1st Place Winner, Immune Modulation & Engineering, Drexel University
2020	Virtual Flash Talk 1st Place Winner, Controlled Release Society
2019	Best Presentation Award, Distinguished Young Scholars Seminar, University of Washington
2019	Joseph C. Jefferds, Jr. Research Travel Fellowship, Koch Institute, MIT
2019	Bioinspired & Biomimetic Delivery Focus Group Trainee Award, Controlled Release Society
2019	Graduate Women of Excellence Award, MIT

2019	Priscilla King Gray Award for Public Service, MIT
2019	Change-Maker Award, MIT, for combatting sexual misconduct
2019	Young Investigators Award, ALPCO
2018	Graduate Student Research and Design Award, Biomedical Engineering Society
2018	Dow Travel Award, MIT
2017, 2018	Graduate Student Council Travel Award, MIT
2017	Rapid Fire Competition First Place Winner, Society of Women Engineers
2017	Amgen Scholars Alumni Travel Award, Amgen
2017	Merck Research Award, Merck
2014	Conference on Everything Grand Prize Winner, Churchill College
2014	Cambridge International Scholarship (declined), University of Cambridge
2013	NSF Graduate Research Fellowship, NSF
2013	Whitaker International Fellowship, Institute of International Education
2013	Pennsylvania Space Grant Consortium Research Scholarship, NASA
2012	PPG Undergraduate Research Award, University of Pittsburgh
2012	Margaret A. Thomas Award for Research Contributions, University of Pittsburgh
2012	Brackenridge Research Fellowship, University of Pittsburgh Honors College
2009	Engineering Alumni Scholarship, University of Pittsburgh Swanson School of Engineering
2009	Full Tuition Scholarship, University of Pittsburgh Honors College

TEACHING EXPERIENCE

2019	Teaching Development Fellow, Teaching + Learning Lab, MIT
2019	Teaching Assistant, Careers and ChemE at MIT, MIT
2018, 2019	Invited Guest Lecturer, Integrated Chemical Engineering Topics, MIT <i>"Preparing Effective Scientific Presentations."</i>
2017 - 2019	Workshop Developer and Facilitator, Communication Lab, MIT <i>"Education Design: Principles and Practices"</i> (2019). <i>"Designing Effective Workshops and Activities"</i> (2019). <i>"Crafting a Professional Bio"</i> (2018). <i>"Communication Coaching from a Customer Service Perspective"</i> (2018). <i>"Applying for the NSF Graduate Research Fellowship"</i> (2017, 2018).
2018	Lecturer, Undergraduate Science Writing Workshop Series, Langer Lab, MIT
2017	Invited Guest Lecturer, Polymer Science Laboratory, MIT <i>"Stimuli-Responsive Polymers and the Derivation of Binding Constants."</i>
2016	Teaching Assistant, Polymer Science Laboratory, MIT
2014, 2015	Grader, Numerical Methods Applied to Chemical Engineering, MIT

MENTORING EXPERIENCE

2020-	Mentor, University of Pittsburgh Honors College; University of Pittsburgh Pitt SWE	
2020 -	Mentor, University of Chicago	
	Salvador Norton de Matos	M.S.T.P. UChicago Medicine 2029 Aug 2022-
	Gustavo Borjas	Research Technician Jul 2022 -
	Taryn Beckman	Ph.D. Metabolism 2027 Jun 2022 -
	Isha Hawkins	B.S. Biochemistry 2023 Jun 2021 - Aug 2021
	Sarah Fathima	High School Student 2022 Feb 2021 - Aug 2021
	Ananth Panchamukhi	B.S. Chemistry/Biochemistry 2021 Apr 2020 - Dec 2020
2017 - 2020	Communication Fellow, Chemical Engineering Communication Lab, MIT 50+ hours of 1:1 appointments on scientific communication.	
2015 - 2019	Mentor, Undergraduate Research Opportunities Program, MIT	
	Delaney Burns	B.S. Chemical Engineering 2020 Sep 2018 - Dec 2019
	Michael Hill	B.S. Chemical Engineering 2019 Jun 2018 - Dec 2018
	Morgan Matranga	B.S. Chemical Engineering 2019 Jan 2016 - Jan 2018
	Barbarah Heimer	B.S. Bioengineering 2020 Jun 2017 - Dec 2017

	Patrick Tornes	B.S. Mechanical Engineering 2019	Jun 2016 - Aug 2016
	Alicia Oberholzer	B.S. Biology 2017	Jul 2016
	Janice Ong	B.S. Chemical Engineering 2019	Jan 2016 - Jun 2016
2015 - 2019	Mentor, Graduate Student Mentoring Program, Chemical Engineering, MIT		

SERVICE AND OUTREACH

2022	Guest Editor, <i>Frontiers in Chemical Engineering</i> , Women in Chemical Engineering Issue
2021 -	Communications Chair, Women in Chemical Engineering, AIChE
2020 -	Trainee Representative, Immuno Delivery Focus Group, Controlled Release Society
2020 -	Co-Chair, Biomaterials for Drug Delivery, American Institute of Chemical Engineers
2020 -	Member, Alumni Board, University of Pittsburgh Honors College
2019 -	Manuscript Peer Review: <i>ACS Central Science</i> (2), <i>ACS Omega</i> (2), <i>Advanced Drug Delivery Reviews</i> (1), <i>Journal of Controlled Release</i> (1), <i>Trends in Biotechnology</i> (2), <i>iScience</i> (1)
2020 - 2021	Annual Meeting Co-Chair, Women in Chemical Engineering, AIChE
2021	Moderator, Biomaterials Engineering for Immunomodulation, Immunoengineering 2021
2021	Judge, ChemE Teach-Off, Department of Chemical Engineering, MIT
2021	Panelist, Society of Women Engineers, India
	Webinar: Understanding the Doctoral Program and Careers Beyond the Ph.D.
2020	Panelist, Society for Biomaterials National Student Chapter
	Webinar: Online branding, networking, and job applications during the COVID-19 pandemic
2018 - 2019	Co-Founder and President, Graduate Women in Chemical Engineering, MIT
2015 - 2019	Founding Member, Resources for Easing Friction and Stress, MIT
2015 - 2019	Officer, Edgerton House Government, MIT
2015 - 2019	Co-Organizer, Langer Lab Seminar Series, MIT
2015 - 2019	Member, Koch Institute Committee for Community Life, MIT
2018, 2019	Chalk Talk Judge, Rising Stars Program, Chemical Engineering, MIT
2018	Co-Chair, Biomaterials for Immunoengineering II, Biomedical Engineering Society
2018	Panelist, ACCESS Program for underrepresented minority students, MIT
2018	Panelist, Freshman Pre-Orientation Program, Langer Laboratory, MIT
2015 - 2016	Member, Graduate Student Council, Chemical Engineering, MIT
2014	Founding Member, Churchill College Women's Society, University of Cambridge
2013 - 2014	1st Year Representative, Churchill College Committee, University of Cambridge
2010 - 2013	Founder, "Middle School Engineering Day," University of Pittsburgh Implemented a new outreach event for 100 middle school students.
2009 - 2013	Society of Women Engineers (SWE), University of Pittsburgh Offices held: President, Vice President, Service Chair, Social Chair Grew membership from 68 to 127 and received Achieving Collegiate Section Gold Award.

SELECTED PROFESSIONAL TRAINING

2020 - 2022	Grant Writing Class, University of Chicago T32 Fellowship 1.5 h weekly discussions on preparing successful grants.
2021	Essentials of Patient Oriented Research, University of Chicago 10 h of training over 10 sessions led by the Institute for Translational Medicine.
2019	Future Faculty Workshop in Soft Matter, Princeton University 2-day workshop on preparing for an academic career.
2019	Innovation Cup, EMD Group (Merck KGaA) 8-day program on developing an innovative idea and business plan. 1 of 36 selected participants out of ~2000 applicants worldwide. Awarded 1st runner up in pitch competition as part of Team Autoimmunity.
2019	Spring to Action, Graduate Women in Science and Engineering 1-day leadership summit on best mentoring practices.
2018	NextProf Nexus Future Faculty Workshop, University of California, Berkeley 4-day workshop on preparing for an academic career.

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- 2018 **ComSciCon**, Harvard University
3-day conference on enhancing the impact of science communication.
1 of 50 selected participants out of 900 applicants.
- 2018 **Kaufman Teaching Certificate Program**, MIT
16 hours of effective teaching practices training over 8 sessions.
- 2017 - 2018 **Communication Fellow Training**, MIT Communication Labs
20 hours of technical science communication training over 10 sessions.
- 2017 **Path of Professorship**, MIT
2-day workshop on preparing for an academic career.
- 2017 **Academic Leadership for Women in Engineering**, SWE
3-day workshop on preparing for an academic career.
- 2015 **Conflict Management Training**, MIT
40 hours of conflict management training over 10 sessions.
- 2015 **Global Fellows Program**, MIT/Imperial College London
5-day program on creating and sustaining international research collaborations.