

# Thomas E. Winkler

## Curriculum Vitae

Franz-Liszt-Straße 35a  
Technische Universität Braunschweig  
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✉ thomas.winkler@tu-braunschweig.de

### Education

- 08/2011– **Ph.D. in Bioengineering**, University of Maryland, College Park, USA.  
05/2017 Fulbright Foreign Fellow & Future Faculty Fellow  
Thesis *Microsystems Integration Towards Point-of-Care Monitoring of Clozapine Treatment for Adherence, Efficacy, and Safety*  
Advisor *Prof. Reza Ghodssi (ghodssi@umd.edu)*
- 10/2005– **»Diplomingenieur« (B.S./M.S.) in Biophysics**, Johannes Kepler Universität, Linz, Austria.  
01/2011 Nanoscience & -technology Focus; ERASMUS semester at Københavens Universitet, Denmark  
Thesis *Dilute Magnetic Semiconductors: Manipulation of the Carrier Concentration in Ga-Mn-Pnictides*  
Advisor *Prof. Alberta Bonanni (alberta.bonanni@jku.at)*

### Appointments

- since **Head of Junior Research Group**, *Microsystems for Life Sciences ( $\mu$ 4Life) lab*, Technische Universität Braunschweig, Germany.  
06/2021  
Affiliations *Institut für Mikrotechnik & Zentrum für Pharmaverfahrenstechnik*
- 04/2017– **Postdoctoral Fellow (MSCA-IF)**, *In-vitro Neural Systems lab*, Kungliga Tekniska Högskolan, Stockholm, Sweden.  
05/2021  
NEUROVU: REAL-TIME SENSING IN MICROFLUIDIC MODELS OF THE NEUROVASCULAR UNIT  
Advisor *Prof. Anna Herland (aherland@kth.se)*
- 04/2012– **Graduate Research Assistant**, *MEMS Sensors and Actuators Laboratory (MSAL)*, University of Maryland, College Park, USA.  
03/2017  
MiND: MICROSYSTEMS DEVELOPMENT FOR NEUROPSYCHIATRIC DISORDERS  
Advisor *Prof. Reza Ghodssi (ghodssi@umd.edu)*
- 03/2010– **Research Assistant**, *Quantum Materials group*, Johannes Kepler Universität, Linz, Austria.  
07/2011 **LOW-TEMPERATURE FERROMAGNETISM IN  $\text{Ga}_{1-x}\text{Mn}_x\text{N}$**   
Advisor *Prof. Alberta Bonanni (alberta.bonanni@jku.at)*
- 09/2009– **Visiting Researcher**, *Advanced Semiconductor Research group*, University of California & Lawrence Berkeley National Laboratory, Berkeley, USA.  
01/2010  
THE INTERPLAY BETWEEN MAGNETISM AND VACANCIES IN  $\text{Ga}_{1-x}\text{Mn}_x\text{P}$   
Advisor *Prof. Oscar Dubon (oddubon@berkeley.edu)*
- 07/2008– **Research Assistant**, *Molecular Bioelectronics group*, Forschungszentrum Jülich, Germany.  
08/2008 Contributed to research into Graphene-Based biosensors  
Supervisor *Dr. Dirk Mayer (dirk.mayer@fz-juelich.de)*
- 07/2007– **Research Assistant**, *ATLAS MDT group*, Max Planck Institut für Physik, Munich, Germany.  
08/2007 Contributed to R&D on the ATLAS upgrade for CERN's High Luminosity LHC project  
Supervisor *Dr. Oliver Kortner (kortner@mppmu.mpg.de)*

## Research Projects/Grants

- 2021–2025 Cell-Based Assays in Drug Research.**  
TU Braunschweig Exzellenzstrategie-Fonds – Junior Research Groups  
Funding €900,000 over four years
- 2020 Biomimetic cell culture platform based on cellulose nanofibrils and integrated sensing capabilities.**  
KTH Life Science Technology Platform – Young Researcher Collaboration Grant  
Funding SEK 50,000 over four months (*co-applicant: Dr. Tobias Bensefelt*)
- 2018–2020 NeuroVU: Real-time Sensing in Microfluidic Models of the Neurovascular Unit.**  
European Commission Marie Skłodowska-Curie Actions – Individual Fellowships  
Funding €186,000 over two years under Grant #797777 (*Advisor: Prof. Anna Herland*)
- 2016/17 Microsystems Integration Towards Point-of-Care Monitoring of Clozapine Treatment.**  
University of Maryland Graduate School – Ann G. Wylie Dissertation Fellowship  
Funding \$11,000 over six months (*Advisor: Prof. Reza Ghodssi*)
- 2014–2016 Microsystem Development for Clozapine Monitoring in Schizophrenia.**  
National Institutes of Health – High Priority, Short-Term Project Award  
Funding \$750,000 over two years under Grant R56MH105571 (*PIs: Profs. Deanna L. Kelly & Reza Ghodssi*)  
Role Led & coordinated formulation of research strategy and grant writing; led research in the Ghodssi team (3-4 people); coordinated research between the microsystems, biochemistry, and clinical teams
- 2009/10 Gallium Manganese Phosphide synthesized by Ion Implantation and Pulsed-Laser Melting.**  
Austrian Marshall Plan Foundation – Research Scholarship  
Funding €5,000 over six months (*Advisors: Profs. Alberta Bonanni & Oscar Dubon*)

## Honors & Awards

- 2020** Travel Grant, *Karl Engvers Foundation*.
- 2019** Best Paper/Presentation, *European Organ-on-Chip Conference*.  
Travel Stipend, *Nils and Hans Backmark Foundation*.
- 2017** Student/Young Researcher Grant, *Chemical and Biological Microsystems Society (CBMS)*.
- 2016** Russell & Sigurd Varian Award ("Highest Student Honor"), *American Vacuum Society*.  
Dean's Doctoral Research Award ("Best Thesis"), *Clark School of Engineering @ UMD*.  
Best Poster Runner-Up, *Mid-Atlantic Micro/Nano Alliance Spring 2016 Workshop*.
- 2015** Future Faculty Fellowship, *Clark School of Engineering @ UMD*.  
3-Minute Thesis Competition Runner-Up, *University of Maryland*.  
First Place for Research in Bioengineering, *Bioscience Day, University of Maryland*.  
Best Poster Award, *Mid-Atlantic Micro/Nano Alliance Spring 2015 Workshop*.
- 2014** Outstanding Graduate Assistant Award ("Top 2%"), *University of Maryland*.
- 2011** Fulbright Foreign Student Scholarship, *Austrian American Educational Commission*.  
Wilhelm Macke Thesis Recognition Prize ("Top Thesis") Department of Physics @ JKU  
Wilhelm Macke Mobility Scholarship, *Department of Physics @ JKU*.  
Foreign Exchange Scholarship, *Julius Raab Foundation*.
- prior Multiple State & University Merit Awards.

## Manuscripts under Review

- 05/2021 T.E. Winkler and A. Herland. Sorption of neuropsychopharmaca in microfluidic materials for in-vitro studies. *bioRxiv preprint*.

## Journal Publications (asterisks\* for equal contributions)

- 05/2021 I. Matthiesen, D. Voulgaris, P. Nikolakopoulou, T.E. Winkler\*, and A. Herland\*. (joint senior authorship) Continuous monitoring reveals protective effects of N-acetylcysteine amide on an isogenic microphysiological model of the neurovascular unit. *Small* (in print).
- 07/2020 F. Elhami Nik, I. Matthiesen, A. Herland, and T.E. Winkler. Low-cost PVD shadow masks with sub-millimeter resolution from laser-cut paper. *Micromachines* 11, 676.
- 03/2020 T.E. Winkler, M. Feil, E.F.G.J. Stronkman, I. Matthiesen, and A. Herland. Low-cost microphysiological systems: Feasibility study of a tape-based barrier-on-chip for small intestine modeling. *Lab on a Chip* 20, 1212. **Featured on Back Cover.**
- 03/2019 E. Zeglio, A.L. Rutz, T.E. Winkler, G.G. Malliaras, and A. Herland. Conjugated Polymers for Assessing and Controlling Biological Functions. *Advanced Materials* 31, 1806712.
- 03/2018 T.E. Winkler, F.O. Stevenson, E. Kim, M. Kang, G.F. Payne, D.L. Kelly, and R. Ghodssi. The Role of Microsystems Integration Towards Point-of-Care Clozapine Treatment Monitoring in Schizophrenia. *IEEE Sensors Letters* 2, 5500304. **Featured on Front Cover.**
- 01/2018 S. Chu, T.E. Winkler, A.D. Brown, J.N. Culver, and R. Ghodssi. Localized 3-D Functionalization of Bionanoreceptors on High-Density Micropillar Arrays via Electrowetting. *Langmuir* 34, 1725–1732.
- 08/2017 S. Subramanian, E.I. Tolstaya, T.E. Winkler, W.E. Bentley, and R. Ghodssi. An Integrated Microsystem for Real-Time Detection and Threshold-Activated Treatment of Bacterial Biofilms. *ACS Applied Materials and Interfaces* 9, 31362–31371.
- 08/2017 G.E. Banis, T.E. Winkler, P. Barton, S.E. Chocron, E. Kim, D.L. Kelly, G.F. Payne, H. Ben-Yoav, and R. Ghodssi. The Binding Effect of Proteins on Medications and Its Impact on Electrochemical Sensing: Antipsychotic Clozapine as a Case Study. *Pharmaceuticals* 10, 69.
- 05/2017 T.E. Winkler, S.L. Lederer, E. Kim, H. Ben-Yoav, D.L. Kelly, R. Ghodssi, and G.F. Payne. Molecular Processes in an Electrochemical Clozapine Sensor. *Biointerphases* 12, 02B401.
- 04/2017 T.E. Winkler\*, R. Dietrich\*, E. Kim, H. Ben-Yoav, D.L. Kelly, G.F. Payne, and R. Ghodssi. The Interplay of Electrode- and Bio-materials in a Redox-cycling-based Clozapine Sensor. *Electrochemistry Communications* 79, 33–36.
- 04/2017 M. Kang, E. Kim, T.E. Winkler, G.E. Banis, Y. Liu, C. Kitchen, D.L. Kelly, G.F. Payne, and R. Ghodssi. Reliable Clinical Serum Analysis with Reusable Electrochemical Sensor: Toward Point-of-Care Measurement of the Antipsychotic Medication Clozapine. *Biosensors and Bioelectronics* 95, 55–59.
- 12/2016 E. Kim, T.E. Winkler, C. Kitchen, M. Kang, G.E. Banis, W.E. Bentley, D.L. Kelly, R. Ghodssi, and G.F. Payne. Redox Probing for Chemical Information of Oxidative Stress. *Analytical Chemistry* 89, 1583–1592.
- 09/2016 T.E. Winkler, H. Ben-Yoav, and R. Ghodssi. Hydrodynamic Focusing for Microfluidic Impedance Cytometry: A System Integration Study. *Microfluidics & Nanofluidics* 20, 134.

- 09/2016 E. Kim\*, Y. Liu\*, H. Ben-Yoav, **T.E. Winkler**, K. Yan, X. Shi, J. Shen, D.L. Kelly, R. Ghodssi, W.E. Bentley, and G.F. Payne. Fusing Sensor Paradigms to Acquire Chemical Information: An Integrative Role for Smart Biopolymeric Hydrogels. *Advanced Healthcare Materials* 5, 2595–2616.
- 07/2015 D.L. Kelly\*, H. Ben-Yoav\*, G.F. Payne, **T.E. Winkler**, S.E. Chocron, E. Kim, V. Stock, G. Vyas, R.C. Love, H.J. Wehring, K.M. Sullivan, S. Feldman, F. Liu, R.P. McMahon, R. Ghodssi. Blood Draw Barriers for Treatment with Clozapine and Development of Point-of-Care Monitoring Device. *Clinical Schizophrenia & Related Psychoses* 12, 23–30.
- 03/2015 S.E. Chocron, B.M. Weisberger, H. Ben-Yoav, **T.E. Winkler**, E. Kim, D.L. Kelly, G.F. Payne, and R. Ghodssi. Multidimensional Mapping Method using an Arrayed Sensing System for Cross-Reactivity Screening. *PLoS ONE* 10, e0116310.
- 02/2015 E. Kim\*, S.E. Chocron\*, H. Ben-Yoav, **T.E. Winkler**, Y. Liu, M. Glassman, C. Wolfram, D.L. Kelly, R. Ghodssi, and G.F. Payne. Programmable "Semismart" Sensor: Relevance to Monitoring Antipsychotics. *Advanced Functional Materials* 25, 2156–2165.
- 02/2015 H. Ben-Yoav, S.E. Chocron, **T.E. Winkler**, E. Kim, D.L. Kelly, G.F. Payne, and R. Ghodssi. An Electrochemical Micro-System for Clozapine Antipsychotic Treatment Monitoring. *Electrochimica Acta* 163, 260–270.
- 11/2014 **T.E. Winkler\***, H. Ben-Yoav\*, S.E. Chocron, E. Kim, D.L. Kelly, G.F. Payne, and R. Ghodssi. Electrochemical Study of the Catechol-Modified Chitosan System for Clozapine Treatment Monitoring. *Langmuir* 30, 14686–14693.
- 03/2014 H. Ben-Yoav\*, **T.E. Winkler\***, S.E. Chocron, E. Kim, D.L. Kelly, G.F. Payne, and R. Ghodssi. Redox cycling-based amplifying electrochemical sensor for in situ clozapine antipsychotic treatment monitoring. *Electrochimica Acta* 130, 497–503.
- 07/2011 A. Bonanni, M. Sawicki, T. Devillers, W. Stefanowicz, B. Faina, Tian Li, **T.E. Winkler**, D. Sztenkiel, A. Navarro-Quezada, M. Rovezzi, R. Jakiela, A. Grois, M. Wegscheider, W. Jantsch, J. Suffczynski, F. D'Acapito, A. Meingast, G. Kothleitner, and T. Dietl. Experimental Probing of Exchange Interactions Between Localized Spins in the Dilute Magnetic Insulator (Ga,Mn)N. *Physical Review B* 84, 035206.
- 01/2011 **T.E. Winkler**, P.R. Stone, T. Li, K.M. Yu, A. Bonanni, and O.D. Dubon. Compensation-dependence of magnetic and electrical properties in  $Ga_{1-x}Mn_xP$ . *Applied Physics Letters* 98, 012103.

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## Patents & Applications

- 2019 E. Kim, G.F. Payne, M. Kang, R. Ghodssi, **T.E. Winkler**, G.E. Banis, C. Kitchen, D.L. Kelly, and W.E. Bentley. Redox Probing for Chemical Information. *U.S. Patent Application* 16/465,243.
- 2017 H. Ben-Yoav, R. Ghodssi, G.F. Payne, D.L. Kelly, E. Kim, S.E. Chocron, and **T.E. Winkler**. Analytical Micro-devices for Mental Health Treatment Monitoring. *United States Patent* 9,581,536.

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## Invited Talks

- 05/2021 Organs-on-Chips: the Better Lab Rats? *LIT Focus Lecture @ Johannes Kepler Universität Linz, Austria*.
- 05/2021 Organs-on-Chips: An Engineer's Primer. *Seminar @ Spiber Technologies, Stockholm, Sweden*.

- 04/2021 Tape-based Barrier-on-Chip for Small Intestine Modeling. *Seidler Research Group Seminar @ Medizinische Hochschule Hannover, Germany.*
- 11/2020 Addressing Neuropsychiatric Disorders using Microsystems Engineering. *Human & Biotechnology Seminar @ Technische Universität, Austria.*
- 09/2020 Next-generation Microphysiological Systems to recapitulate Human Physiology in-vitro. *New Updates in Drug Formulation & Bioavailability, Copenhagen, Denmark.*
- 12/2019 Beyond PDMS: New Integration Strategies for Barrier-on-Chip Systems. *international MicroNanoConference (iMNC), Utrecht, The Netherlands.*
- 12/2019 Study of nitrosative stress in a hiPSC-derived neurovascular unit-on-chip (as an example of challenges and opportunities in microphysiological models of biological barriers). *Biomedical Engineering and Physics Seminar @ Amsterdam Medical Center, The Netherlands.*

### Selected Conferences (out of 37 total; asterisks\* if not presented by first author)

full list available at [thomas.winkler.site/cv/conferences](http://thomas.winkler.site/cv/conferences)

- 07/2021 **T.E. Winkler** and A. Herland. *European Organ-on-Chip Conference (EUROoC)*. Virtual (COVID-19). *Select Oral presentation.*
- 10/2020 **T.E. Winkler**, I. Matthiesen, D. Voulgaris, P. Nikolakopoulou, and A. Herland. *International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS)*. Virtual (COVID-19). Watch my 1-minute pitch here: [kth.box.com/v/MicroTAS-2020-TEW](http://kth.box.com/v/MicroTAS-2020-TEW)
- 07/2019 **T.E. Winkler**, I. Matthiesen, D. Voulgaris, L. Delsing, A. Lundin, P. Nikolakopoulou, and A. Herland. *European Organ-on-Chip Conference (EUROoC)*, Graz, Austria. *Oral presentation. Best Paper/Presentation.*
- 10/2017 **T.E. Winkler**, E. Kim, M. Kang, G.F. Payne, D.L. Kelly, and R. Ghodssi. *International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS)*, Savannah, Georgia. *Oral presentation.*
- 06/2017 A. Herland, **T.E. Winkler\***, D. Voulgaris, B.M. Maoz, K.K. Parker, and D.E. Ingber. *Joint EMBEC/NBC Conference on Biomedical Engineering and Medical Physics*, Tampere, Finland. *Oral presentation.*
- 11/2016 **T.E. Winkler**, S.L. Brady, E. Kim, H. Ben-Yoav, D.L. Kelly, G.F. Payne, and R. Ghodssi. *American Vacuum Society (AVS) International Symposium*, Nashville, Tennessee. *Oral Presentation.*
- 10/2016 **T.E. Winkler**, F. Zang, F.O. Stevenson, J.N. Culver, and R. Ghodssi. *International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS)*, Dublin, Ireland. *Poster presentation.*
- 06/2015 **T.E. Winkler**, H. Ben-Yoav, D.L. Kelly, and R. Ghodssi. *International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)*, Anchorage, Alaska. *Proceedings published. Oral presentation.*
- 06/2014 **T.E. Winkler**, H. Ben-Yoav, D.L. Kelly, and R. Ghodssi. *Solid-State Sensors, Actuators and Microsystems Workshop*, Hilton Head, South Carolina. *Proceedings published. Poster presentation.*
- 10/2013 **T.E. Winkler**, H. Ben-Yoav, S.E. Chocron, E. Kim, D.L. Kelly, G.F. Payne, and R. Ghodssi. *Electrochemical Society (ECS) Meeting*, San Francisco, California. *Oral presentation.*



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## Advisees (asterisks\* denote co-supervision)

- Ph.D.** Franziska Buck (TU Braunschweig, Class of 2021)  
 Jeroen Bugter (TU Braunschweig, Class of 2021)  
 Isabelle Matthiesen\* (Micro- and Nanosystems, KTH Stockholm, Class of 2017)  
 George E. Banis\* (Ph.D. in Bioengineering, UMD College Park, 08/2019)
- M.Sc.** Saskia Ludwig\* (M.Sc. in Cognitive and Clinical Neuroscience, Maastricht U, Summer 2021)  
 Farzad Elhami Nik (M.Sc. in Biomedical Engineering, Politecnico di Milano, 04/2021)  
 Elin Hedberg (M.Sc. in Biomedical Engineering, Linköping University, 06/2020)  
 Michael Feil (M.Sc. in Molecular Biotechnology, FH Campus Wien, 12/2019)  
 Gabriele Bongiovanni\* (M.Sc. in Micro & Nano Technologies, PoliTo / PhElMa / EPFL, 11/2018)  
 Sheryl E. Chocron\* (M.Sc. in Bioengineering, UMD College Park, 01/2014)
- Interns** Wei Ying Lieu (KTH Stockholm, Fall 2019)  
 Simon Feillé (Mines ParisTech, Summer 2018)  
 Eva Stronkman (U Twente, Spring 2018)  
 Eugene Froimchuk (UMD College Park, Spring 2016)  
 Florence Stevenson (UMD College Park, Fall 2015–Spring 2016)  
 Stephen Semick (UMD College Park, Summer 2015–Spring 2016)  
 Sukriti Ghosh (UMD College Park, Summer 2015)  
 Ashlyn Lee (UMD College Park, Summer 2015)  
 Delaney Jordan (UMD College Park, Spring 2015)  
 Sarah Brady (East Carolina U, Summer 2013)  
 Robert Dietrich (UMD College Park, Spring 2013–Spring 16)  
 Gillian Costa\* (George Washington U, Summer 2012)

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## Teaching

- Spring 2021 & 2019** **Guest Lecturer**, *Kungliga Tekniska Högskolan*, Stockholm, Sweden, *Karolinska Institutet*, Solna, Sweden, and *Tel Aviv University*, Tel Aviv, Israel.  
 FJQ3110 – Microphysiological systems (~20 graduate students)  
 Instructors *Prof. Anna Herland (aherland@kth.se)* & *Prof. Ben Maoz (bmaoz@tauex.tau.ac.il)*
- Fall 2020, 2018 & 2016** **Guest Lecturer & Project Facilitator**, *University of Maryland*, College Park, USA.  
 EnEE 605 – Design and Fabrication of Micro-electromechanical Systems (10–15 graduate students)  
 Instructor *Prof. Reza Ghodssi (ghodssi@umd.edu)*
- Spring 2015–Spring 2016** **Future Faculty Fellow**, *University of Maryland*, College Park, USA.  
 Competitive three-semester program encompassing seminars focused on skills for effective teaching as well as for developing and funding a successful faculty research program.
- Spring 2016** **Co-Instructor**, *University of Maryland*, College Park, USA.  
 BioE 431/631 – Biosensor Techniques, Instrumentation, and Applications (22 graduate & 18 undergraduate)  
 Instructor *Prof. Ian White (ianwhite@umd.edu)*
- Spring 2013** **Teaching Assistant**, *University of Maryland*, College Park, USA.  
 BioE 232 – Thermodynamics for Bioengineers (64 undergraduate)  
 Instructor *Prof. Keith Herold (herold@umd.edu)*
- Fall 2012** **Teaching Assistant**, *University of Maryland*, College Park, USA.  
 BioE 120 – Biology for Engineers (66 undergraduate)  
 Instructor *Prof. Adam Hsieh (hsieh@umd.edu)*

## Outreach, Service, & other Activities

- 05/2021** **LIT Focus Lecture on Marie Skłodowska-Curie Actions**, *Johannes Kepler Universität Linz*.  
Co-organized the program and speaker line-up.
- 07/2020** **European Organ-on-Chip Society Annual Meeting**, *online due to COVID-19*.  
Member of "Best Presentation" jury.
- Spring 2020** **Sting Test Drive: DeepTech**, *Stockholm, Sweden*.  
Selected as one of 15 teams for hands-on training program providing support to translate ideas into start-ups.
- 09/2019** **MSCA Falling Walls Lab**, *Brussels, Belgium*.  
Selected as one of 30 finalists to pitch my research to a non-specialist audience in 150 seconds at the European Research & Innovation Days. Watch the video here: [kth.box.com/v/MSCA-Falling-Walls-TEW](https://kth.box.com/v/MSCA-Falling-Walls-TEW)
- 02/2019** **Nordic Organ on a Chip Symposium**, *Oslo, Norway*.  
Organization Committee for the Student/Postdoc session with speed date networking.
- 2018–2020** **MST Poster Session**, *KTH Royal Institute of Technology*.  
Started a new annual event for the Department consisting of Research Pitch Presentations and Posters (including Awards) to facilitate internal collaboration.
- 2017–2019** **Annual MST Planning Conference**, *various locations, Sweden*.  
Organized & moderated webinar with *Adv. Mater.* editor and Career Development Planning workshop.
- 2012–2016** **Maryland Day**, *University of Maryland*.  
Annual "Open University" event, with the MSAL lab participating by opening up to the public for the day. Assisted with organizing lab activities, and designed a new activity station around Jell-O microfluidics to explain microfabrication and laminar flow.
- 2012–2016** **Bioscience Day & Fischell Festival**, *University of Maryland*.  
Annual events open to the public featuring research talks, poster sessions, and more, highlighting research within the broader Biosciences or within the Department of Bioengineering.
- 09/2015** **3-Minute Thesis Competition**, *University of Maryland*.  
Produced a video summarizing my doctoral thesis research in 3 minutes to a non-academic audience. Awarded second place. Watch the video here: [youtu.be/7guLm0pFG5k](https://youtu.be/7guLm0pFG5k)
- Member** European Organ-on-Chip Society
- Reviewer** Biomedical Microdevices; Sensors; Journal of Microelectromechanical Systems; PLoS ONE; Small