

# COVER LETTER

## OVERVIEW

Dr.Konry has established a new biomedical research thrust focused on dynamic analysis of cellular functional phenotypes via lab-on-a-chip single cell and tissue-chip technologies to dissect the variability in immune and cancer cell responses to therapies. She was nominated as [Phase 1 Finalist of Follow That Cell Challenge/NIH](#) for her work in single-cell proteomics which was also spotlighted in [GEN magazine](#). She received Biosciences [Immunology Research award from Becton Dickinson \(BD\)](#) and Schumacher Faculty Award/NEU. Furthermore, her work was nominated for SLAS Innovation Award recognizing the novelty and integrated use of her work. She was also appointed to the Women in [Microfluidics & BioMEMS List](#) and nominated for prestigious Allen Distinguished Investigator (ADI) award. Dr.Konry's research has been funded by NIH (R01, R33, U54 and R21), NSF/CBET, foundations and industrial grants. Her collaborative work was selected for funding three times by DFCI /NEU Joint Program in Cancer Drug Development and was awarded three times with Tier 1/NEU. Her patented engineering Lab on a Chip approach allowed her to establish collaboration with MGH Diabetes Center and was awarded by [JDRF](#) with a grant to integrate the device developed by Dr.Konry into clinical settings. Her tissue-chip project was awarded with Sandia National Laboratories Collaborative grant. Furthermore, Dr.Konry generated several funded collaborations with leading immunotherapeutic and biotech companies. Recently her lab developed a novel point of care technology (issued IP) for COVID-19 diagnostics and DNA/RNA analysis, awarded with CTSI Tufts, Radx phase 0 and Radx Next/CIMIT grants ([Radx NIH program](#)). In 2022 Dr.Konry established collaborations with Sanofi and Takeda Inc (funding \$120,000) and Abcuro Inc (fee for service agreement /NEU and materials to support this project). She was awarded in 2022 with AHA grant (PD/PI \$750,000).

## RESEARCH SCHOLARSHIP

- 1. Peer reviewed work:** Overall, Dr.Konry has over 1,898 citations and her h-index is 22 / i10-index is 37.
- 2. Funding:** Dr.Konry's NEU lab has been funded: 1) NIH/NCI, R21– Exceptional Innovative Tools and Technologies for Single Cell Analysis, T.Konry PI, 2) Juvenile diabetes research foundation (JDRF), T.Konry co-PI, 3) Tier 1, Internal Grant Programs in Support of Interdisciplinary Research (NEU), T.Konry PD/PI, 3) DFCI/NEU Joint Program in Cancer Drug Development, T.Konry PD/PI, 4) Becton Dickinson (BD) Biosciences immunology research award, T.Konry PI, 5) Becton Dickinson industrial grant (BD), T.Konry PI, 6) NantKwest Inc industrial grant, T.Konry PI, 7) CIMIT/POCT/NIBIB grant, T.Konry PI, 8) Tufts/CTSI/NIH U54, T.Konry PI, 9) Tesaro Inc grant, T.Konry PI, 10) R33/NIH/NCI/IMAT, T.Konry PD/PI, 11) R01/NIH/NIGMS, T.Konry PI and 12) NSF/CBET, T.Konry PI, 13)DF-NEU Joint Program in Cancer Drug Development T.Konry PD/PI, 14) CTSI Tufts COVID-19 grant, T.Konry PI, 15) Radx NIH phase 0 and Radx Next COVID-19 grants, 16) Spark funding NEU, 17) Takeda 2021, 18) AHA grant.

## TEACHING

1. Pharmaceutics 1 (PHSC 3411) - coordinator and instructor.
2. Pharmaceutics 2 (PHSC 3412) - coordinator and instructor.
3. Pharmaceutics Lab (PHSC 3419) - coordinator/instructor.
4. Pharm Sci Journal Club - coordinator and instructor.

## SERVICES

1. Committees: Assistant dean for research, executive committee, Graduate, Admission, Assessment, Graduate Affairs, and John Neumeyer Award, Teaching Assistant/Associated Prof. and chair Pharm.Sci. Department search committees and merit review committee/Pharm.Sci.
2. Review grants: NSF, NIH, Medical Research Council (MRC) UK, Swiss National Science Foundation (SNSF),NASA and Tier1/NEU.
3. Reviewer for numerous journals and is a member of Editorial Board of Scientific Reports/ Nature and other journals.

## CURRICULUM VITAE

### Tania (Tali) Konry, PhD

**Current position:** Associate Professor, Department of Pharmaceutical Sciences, Bouvé College of Health Sciences, affiliated with Bioengineering Department, College of Engineering at Northeastern University

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**Phone:** 617-8987840

## I. EDUCATION AND EMPLOYMENT HISTORY

### EDUCATION

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10/2004-08/2007	Ph.D.	Biotechnology Engineering Advisor: Prof. Robert Marks	Ben Gurion University of Negev, Beer Sheva, Israel
10/2002-08/2004	M. Sc.	Biotechnology Engineering Advisor: Prof. Robert Marks	Ben Gurion University of Negev, Beer Sheva, Israel
10/1999-08/2002	B.Med.Sc.	Medical Sciences	Ben Gurion University of Negev, Beer Sheva, Israel

### POSTDOCTORAL TRAINING

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04/2009-03/2011		Bioengineering Advisor: Prof. Martin L. Yarmush	Harvard Medical School, Center for Engineering in Medicine, MGH, Boston, MA, US
12/2007-04/2009		Chemistry Advisor: Prof. David R. Walt	Tufts University Medford, MA, US

### ACADEMIC APPOINTMENTS

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07/2022-	Assistant Dean for research	School of Pharmacy and Pharmaceutical Sciences (SOPPS), Bouvé College of Health Sciences	Northeastern University
07/2020-	Associate Professor	Pharmaceutical Sciences affiliated with Bioengineering Department	Northeastern University
12/2017-	Scholar	Tufts Clinical and Translational Science Institute	Tufts University

08/2013-07/2020	Assistant Professor	Pharmaceutical Sciences affiliated with Bioengineering Department	Northeastern University
2013-2016	Visiting Assistant Professor of Surgery	Surgery (Bioengineering)	Harvard Medical School/ MGH
2011-2013	Instructor in Surgery	Bioengineering	Harvard Medical School
2011-2013	Nano- and Microsystems Bioengineering Group co leader	Bioengineering	Center for Engineering in Medicine/ HMS
2011-2013	Assistant in Bioengineering	Bioengineering	Massachusetts General Hospital (MGH)
2009-2011	Postdoctoral Fellow	Bioengineering	Harvard Medical School, MGH, Shriners Hospitals for Children
2007-2009	Postdoctoral Fellow	Department of Chemistry	Tufts University, Medford, MA
2002-2007	Teaching Assistant and Laboratory Instructor	Department of Biotechnology Engineering	Ben-Gurion University of the Negev Beer-Sheva, Israel

## OTHER PROFESSIONAL POSITIONS

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2005	Visiting Research Scientist Funded by: Scholarship Program of ENS de Cachan for Foreign Ph.D. students	ÉCOLE NORMALE SUPÉRIEURE DE CACHAN, Laboratory of Quantum and Molecular Photonics Laboratory (LPQM) Paris, France
2004	Visiting research scientist Funded by: European Commission Center	European Commission, Institute for Health and Consumer Protection Ispra, Italy
2003-2007	Mentor of Science Graduation Projects of BSc students at Biosensors laboratory	Department of Biotechnology Engineering, Institute for Applied Biosciences, Ben Gurion University of the Negev, Beer-Sheva, Israel
2001-2002	Medical Intern at Pathology Laboratories	Soroka Hospital, Beer-Sheva, Israel
2001	Visiting Research Scientist Funded by: Senspol EU network	Laboratory of Organic Electrochemistry and Redox Photochemistry, Joseph Fourier University, Grenoble, France

## II. RESEARCH AND SCHOLARSHIP

### PEER REVIEWED PUBLICATIONS

<https://scholar.google.com/citations?user=IWjm8xgAAAAJ&hl=en>

1. R. Kumari, J.W. Lim, M. R. Sullivan, R. Malampy, C. Baush, I. Smolina, H. Robin, V.V. Demidov, G.S. Ugolini, J. R. Auclair, T. Konry, A Novel Rolling Circle Amplification-Based Detection of SARS-CoV-2 with Multi-Region Padlock Hybridization, *Diagnostics* 12 (9), 2252, 2022. **IF 3.99**
2. S. N. Agnihotri, G. S. Ugolini, M. R. Sullivan, Y. Yang, A. De Ganzó, J. W. Lim, T. Konry, Droplet microfluidics for functional temporal analysis and cell recovery on demand using microvalves: application in immunotherapies for cancer, *LOC*, 22/17 3258-3267, 2022. **IF 7.5**
3. N. Filipczak, U. Joshi, S.A. Attia, I.B. Fridman, S. T. Konry, V. Torchilin, T. Konry Hypoxia-sensitive drug delivery to tumors, *Journal of Controlled Release* 341, 431-442, 2022. **Impact Factor (IF) 7.9**
4. R. Zhong, S. Yang, G.S. Ugolini, T. Naquin, J. Zhang, K. Yang, J. Xia, T. Konry\*, T. Huang\* Acoustofluidic Droplet Sorter Based on Single Phase Focused Transducers *Small* 17 (46), 2021. Cover paper **IF 13.28 \*equal contribution.**
5. H. Zuo, M.J.C Van Lierop, J. Kaspers, R. Bos, A. Reurs, S. Sarkar, T. Konry, A. Kamermans, G. Kooij, H.E de Vries, T.D de Gruijl, A. Karlsson-Parra, E. H Manting, A.M Kruisbeek, S. Kaur Singh, Transfer of cellular content from the allogeneic cell-based cancer vaccine DCP-001 to host dendritic cells hinges on phosphatidylserine and is enhanced by CD47 blockade, *Cells* 10 (11), 3233, 2021.
6. K. C. Aluri, M. A. Hossain, N. Kanetkar, B. C Miller, M.G Dowgiallo, Durgalakshmi Sivasankar, Matthew R Sullivan, Roman Manetsch, Tania Konry, Adam Ekenseair, Jeffrey N Agar, Cyclic Thiosulfates as a Novel Class of Disulfide Cleavable Cross-Linkers for Rapid Hydrogel Synthesis *Bioconjugate Chemistry* 32 (3), 584-594, 2021. **IF 4.77**
7. I.B. Fridman, J. Kostas, M. Gregus, S. Ray, M.R. Sullivan, A.R. Ivanov, S Cohen, T. Konry, High-throughput microfluidic 3D biomimetic model enabling quantitative description of the human breast tumor microenvironment, *Acta Biomaterialia* 2021 accepted. **IF 7.24**
8. I.B. Fridman, G.S. Ugolini, V. Vandelinder, S. Cohen, T. Konry, High throughput microfluidic system with multiple oxygen levels for the study of hypoxia in tumor spheroids, *Biofabrication* 2021. **IF 8.2**
9. M.R. Sullivan, G. S. Ugolini, S. Sarkar, W. Kang, E. C. Smith, S. Mckenney, T. Konry, Quantifying the efficacy of checkpoint inhibitors on CD8+ cytotoxic T cells for immunotherapeutic applications via single-cell interaction, *Cell Death & Disease* 11 (11), 1-9, 2020. **IF 6.3**
10. S. Sarkar, W. Kang, S. Jiang, K. Li, S. Ray, E. Luther, A. Ivanov, Y. R. Fu, T. Konry, Machine learning-aided quantification of antibody-based cancer immunotherapy by Natural Killer cells in microfluidic droplets, *Lab Chip*, 2020, 20, 2317-2327. **IF 7.5**
11. R. Dashnamoorthy Ravi, S. Sarkar, S. Purvey, F. Passero, A. Beheshti, Y. Chen, M. Mokhtar, K. David, T. Konry, A. M. Evens, Interaction kinetics with transcriptomic and secretory responses of CD19-CAR natural killer-cell therapy in CD20 resistant non-hodgkin lymphoma, *Leukemia*, 1-14, 2020. **IF 9.94**
12. W. Kang, S. Sarkar, Z. Shen Lin, S. McKenney, **T. Konry**, Ultra-fast parallelized microfluidic platform for antimicrobial susceptibility testing of gram positive and negative bacteria, *Analytical chemistry*, 4/2019. **IF 6.3**
13. S. Sarkar, S. McKenney, P. Sabhachandani, J. Adler, X. Hu, D. Stroopinsky, J. Rosenblatt, D. Avigan, **T. Konry**, Anti-myeloma activity and molecular logic operation by Natural Killer cells in microfluidic droplets *Sensors and Actuators B: Chemical*, 2018. **IF 6.39**
14. P. Sabhachandani, S. Sarkar, S. McKenney, R. Dashnamoorthy, A.M. Evens, **T. Konry**, Microfluidic assembly of hydrogel-based immunogenic tumor spheroids for evaluation of anticancer therapies and biomarker release, *Journal of Controlled Release*, 2018. **IF 7.9**

15. S. Sarkar, P. Sabhachandani, R. Dashnamoorthy, S. Potdar, S. Purvey, A. Beheshti, A. M Evens, **T.Konry**, Dynamic Analysis of Human Natural Killer Cell Response at Single-Cell Resolution in B-cell Non-Hodgkin Lymphoma, *Frontiers in Immunology* 8, 1736, 2017. *Frontiers in Immunology*. **IF 4.8**
16. P. Sabhachandani, S. Sarkar, P. C. Zucchi, B. A. Whitfield, J.E. Kirby, E. B. Hirsch, **T. Konry**, Integrated microfluidic platform for rapid antimicrobial susceptibility testing and bacterial growth analysis using bead-based biosensor via fluorescence imaging, *Microchimica Acta* 184 (12), 4619-4628, 2017. **IF 5.7**
17. N. Cohen, S. Sarkar, E. Hondroulis, P. Sabhachandani, **T. Konry**, Quantification of Intercellular Adhesion Forces measured by Fluid Force Microscopy, *Talanta*, 174, 409-413, 2017. **IF 4.9**
18. E. Hondroulis, A. Movila, P. Sabhachandani, S.Sarkar, N. Cohen, T. Kawai, **T. Konry**, A droplet-merging platform for comparative functional analysis of m1 and m2 macrophages in response to e. coli-induced stimuli, *Biotechnology and bioengineering*, 705-709, 2017. **IF 4.26**
19. N. Cohen, P. Sabhachandani, S. Sarkar, L. Kahanovitz, N. Lautsch, S. J. Russell, **T. Konry**, Microsphere based continuous-flow immunoassay in a microfluidic device for determination of clinically relevant insulin levels, *Microchimica Acta* 184 (3), 835-841,2017. **IF 5.7**
20. R. Dashnamoorthy, A. Beheshti, S. Sarkar, P. Sabhachandani, F.C. Passero, S. Purvey, L.Boissel, **T.Konry**, A. M. Evens, CD19 Target Activated Natural Killer (CD19. TaNK) Cellular Therapy: A Novel immunotherapeutic Approach to the Treatment of Non-Hodgkin Lymphoma (NHL), *Blood* 128 (22), 4174-4174,2017. ASH abstract.
21. S. Sarkar, P. Sabhachandani, D.Stroopinsky, K. Palmer, N. Cohen, J. Rosenblatt, D. Avigan, **T. Konry**, Dynamic analysis of immune and cancer cell interactions at single cell level in microfluidic droplets, *Biomicrofluidics* 10 (5), 054115, 2016. **IF 2.57**
22. S. Sarkar, P. Sabhachandani, **T. Konry**, Isothermal Amplification Strategies for Protein Detection in Microfluidic Devices, *Trends in Biotechnology*, 85-97,2016. **IF 13.7**
23. **T. Konry**, S. Sarkar, P. Sabhachandani, N. Cohen, Innovative Tools and Technology for Analysis of Single Cells and Cell-Cell Interaction, *Annual Review of Biomedical Engineering* 18 (1). **IF 14.21**
24. P. Sabhachandani, S. Sarkar, **T.Konry**, Droplet Microfluidics for Screening of Surface-Marker and Secretory Protein Expression, Book Chapter: *Microfluidic Methods for Molecular Biology*, 219-23 (book).
25. S.Sarkar, P.Sabhachandani, **T. Konry**, Ultrasensitive Isothermal Detection of Protein Analytes Using Rolling Circle Amplification in Microscale Platforms, *Rolling Circle Amplification (RCA)*, 85-97 (book).
26. L. Kahanovitz, E. Seker, R.S. Marks, M.L. Yarmush, **T. Konry**, S.J. Russell, Development of a Microsphere-Based System to Facilitate Real-Time Insulin Monitoring, *Journal of diabetes science and technology*, 689-696, 2016.
27. P. Sabhachandani, V. Motwani, N. Cohen, S. Sarkar, V. Torchilin, **T. Konry**, Generation and functional assessment of 3D multicellular spheroids in droplet based microfluidics platform, *Lab on a Chip*, 2016. **IF 6.9, top 5 % most cited papers** in Analytical portfolio of journals of RSC.
28. S. Sarkar, N. Cohen, P. Sabhachandania and **T. Konry**, Phenotypic drug profiling in droplet microfluidics for better targeting of drug-resistant tumors, *Lab Chip*,15, 4441-4450,2015. **IF 6.9**
29. S. Sarkar, V. Motwani, P. Sabhachandani, N. Cohen and **T. Konry**, T cell dynamic activation and functional analysis in nanoliter droplet microarray, *Journal of Clinical & Cellular Immunology*, 6, 334, 2015. **IF 3.72 (5 Year Impact Factor)**
30. P.Sabhachandani, N. Cohen, S.Sarkar, **T. Konry**, Microsphere-based immunoassay integrated with a microfluidic network to perform logic operations, *Microchimica Acta*, 2015, 182, 9,1835. **IF 5.7**
31. N. Cohen, P. Sabhachandani, A. Golberg, **T. Konry**, Approaching near real-time biosensing: Microfluidic microsphere based biosensor for real-time analyte detection, *Biosensors and Bioelectronics*, 66, 454, 2015. **IF 9.5**
32. A.Golberg, G. Linshiz, I. Kravets, N. Stawski, N. J. Hillson, M.L. Yarmush, R. S. Marks, **T. Konry**, Cloud-Enabled Microscopy and Droplet Microfluidic Platform for Specific Detection of Escherichia coli in Water, *PLOS*, 9,1,2014. **IF 2.7**
33. **T. Konry**, A. Golberg, M. Yarmush, Live single cell functional phenotyping in droplet nano-liter reactors, *Scientific Reports : Nature Publishing Group*, 3, 3179, 2013. **IF 4.12**
34. **T. Konry**, Adam Lerner, Martin L. Yarmush, Irina V. Smolina, Target DNA detection and quantitation on a single cell with single base resolution, *Technology*, 01, 88, 2013.

35. A.Golberg, M. L. Yarmush, **T. Konry**, Pico-liter immunosorbent droplet microfluidic platform for point-of-care tetanus diagnostics, *Microchimica Acta*, 180, 9-10, 860, 2013. **IF 5.7**
36. G.Linshiz, A. Goldberg, **T. Konry**, N.J. Hillson, The fusion of biology, computer science, and engineering: towards efficient and successful synthetic biology, *Perspectives in Biology and Medicine*, 55 4, 503, 2012. **IF 1.34**
37. **T. Konry** et al., Particles and Microfluidic Merged: Perspective of highly Sensitive Diagnostic Detection, *Microchemica Acta*, 176, 3-4, 251, 2012. **IF 5.7**
38. **T.Konry**, I .Smolina, M.L. Yarmush, et al., Microfluidic nano-liter platform for ultrasensitive detection of low-abundance surface-marker protein using isothermal rolling circle amplification, *Small*, 7, 3, 395, 2011. **IF 8.64**
39. **T. Konry**, M. Dominguez, C. Baecher-Allan, M.Yarmush, Droplet-based microfluidic platforms for single T cell secretion analysis of IL -10 cytokine, *Biosensors and bioelectronics*, 26, 270, 2011. Top 20 Articles, in the Domain of Article 20888750. **IF 9.59**
40. **T. Konry**, D.R. Walt, “Intelligent medical diagnostics via molecular logic”. *J. Am. Chem. Soc.*,131 (37), 13232, 2009. **IF 14.35**
41. **T. Konry**, R. B. Hayman, D. R. Walt, Microsphere-based rolling circle amplification microarray for the detection of DNA and proteins in a single assay, *Analytical Chemistry* ,81(14), 5777, 2009. **IF 6.3**
42. **Konry T**, Indium-tin oxide-coated fiber optic immunosensors and bio-optic devices. *Published as invited thesis in LAP Lambert Academic Publishing AG & Co. KG*
43. **T. Konry**, Y. Heyman, S. Cosnier, K. Gorgy, R. S. Marks, Characterization of thin poly (Pyrrole-benzophenone) film morphologies electropolymerized on Indium Tin Oxide coated optic fibers for electrochemical and optical biosensing, *Electrochimica Acta*, 53, 5128, 2008. **IF 5.1**
44. **T. Konry**, B. Hadad, Y. Shemer-Avni ,S. Cosnier, R. S. Marks , ITO pattern fabrication of glass platforms for electropolymerization of light sensitive polymer for its conjugation to bioreceptors on a micro-array, *Talanta*, 75, 564, 2008.**IF 4.9**
45. **T.Konry**, M.Bouhirfd, M. Whelan, F. Rossi, R. S.Marks, Electrogenerated ITO-coated glass chip surfaces, *Biosensors and bioelectronics*, 22, 2230, 2007. **IF 9.5**
46. A.Petrosova, **T. Konry**, S.Cosnier, et al., Development of a highly sensitive, field operable biosensor to be deployed in central Africa for serological studies of Ebola virus, *Sensors and Actuators B*, 122, 578, 2007. **IF 6.39**
47. **T. Konry**, A. Novoa, Y. et al., Optical fiber immunosensor based on poly(pyrrole-benzophenone) film for detection of antibodies to viral antigen, *Analytical Chemistry*, 77, 6, 1771, 2005. **IF 6.3**
48. **T.Konry**,A.Novoa,R.S.Marks, Physico-chemical studies of the properties of ITO-coated fiber-optic, Thin solid films, 492 313, 2005. **IF 1.93**
49. **T.Konry**, A.Novoa,S.Cosnier, R.S.Marks, Development of an ‘electroptode’ immunosensor: Indium tin oxide-coated optical fiber tips conjugated with an electro-polymerized thin film with conjugated cholera toxin B subunit, *Analytical Chemistry*, 75, 2633, 2003. **IF 6.3**
50. R.S. Marks, A. Novoa, **T. Konry**, R. Kraiss, S. Cosnier, Indium tin oxide-coated optical fiber tips for affinity electropolymerization, *Materials Science and Engineering: C*, Volume, 21, Issue, 189-194, 2002.**IF 4.9**

## RESEARCH FUNDING INFORMATION

### Funding at NEU

Date	PI	Funding	Total cost	Direct cost
07/2022-2025	T.Konry PD/PI	AHA	\$825,000	\$750,000
12/2021	T.Konry	Takeda	\$120,000	\$120,000

09/2020	NEU Spin out from T.Konry lab	NIH Radx	\$250,000	\$250,000
08/2020	T.Konry	NIH Radx	\$25,000	\$25,000
2020-2021	T.Konry J.Li	Tier 1 NEU	\$50,000	\$50,000
2020-2021	T.Konry	CTSI COVID-19	\$25,000	\$25,000
2020-2022	T.Konry	GapFund360	\$50,000	\$50,000
2019-2022	T.Konry, R. Romee	DFCI/NU Joint Program in Cancer Drug Development	\$100,000	\$100,000
2018-2022	T.Konry, PI	NSF	\$299,723	\$196,241
2018-2022	T.Konry, PI	R01/NIGMS/NIH	\$1,154,431	\$683,949
2018-2022	T.Konry, Lead PD/PI R33/NCI/NIH Co-PIs: Andrew Evens (Rutgers) Tony Huang(Duke)	R33/NCI/NIH	\$1,186,103	\$495,485
2018-2019	T.Konry, PI	Center for Integrated Nanotechnologies (CINT)/ Sandia lab	User project	
2017-2019	T.Konry, PI	Tesaro/GSK Inc	\$183,000	\$150,000
2017-2018	T.Konry, PI	Tufts/CTSI	\$44,657	\$44,657
2017-2018	T.Konry, PI	CIMIT/POCT/ NIBIB	\$156,000	\$100,000
2017-2018	T.Konry, PI	Becton Dickinson (BD)	\$141,960	\$91,000
2016-2018	T.Konry, PI	NantKwest Inc	\$134,415	\$110,009
2016-2017	T.Konry, PD/PI A.Ivanov	Tier 1, Internal Grant Programs in Support of Interdisciplinary Research, NEU	\$50,000	\$50,000
2015-2017	T.Konry,PD/PI S.Gaudet	DFCI/NU Joint Program in Cancer Drug Development	\$100,000	\$100,000

2015-2016	T.Konry, PD/PI M.Wanunu	Tier 1, Internal Grant Programs in Support of Interdisciplinary Research, NEU	\$50,000	\$50,000
2015-2016	T.Konry,PI	Becton Dickinson (BD) Biosciences immunology research grant	\$10,000	\$10,000
2013-2016	T.Konry,PI	NIH/NCI, R21	\$319,783	\$140,704
2013-2014	T.Konry	Nanosurf Inc	\$15,000	\$15,000
2013-2016	T.Konry, Co-PI PI Steven Russell, MGH	Juvenile diabetes research foundation (JDRF)	\$765,359	\$271,973
2012-2014	T.Konry Consultant	Multiple Myeloma Research Foundation, US	\$10,000	\$10,000

#### Prior Funding at HMS

2011-2013	M.Yarmush, T.Konry	CIMIT - Center for Integration of Medicine and Innovative Technology, US		\$120,000
2010-2013	T.Konry	Shriners Burn Hospital Fellowship		\$180,000

#### HONORS AND PRIZES

2019	Appointed to Women in Microfluidics & BioMEMS List	Women in Microfluidics & BioMEMS <a href="http://microfluidics.berkeley.edu">microfluidics.berkeley.edu</a>	Profile of women leading research and leading their own laboratories in micro/nanofluidics and Bio-MEMS
2019	Nomination for Allen Distinguished Investigator (ADI)	The Paul G. Allen Frontiers Group <a href="https://alleninstitute.org/what-we-do/frontiers-group/">https://alleninstitute.org/what-we-do/frontiers-group/</a>	Single cell technology
2017	Nomination for SLAS Innovation Award	SLAS <a href="http://www.slas2017.org/awards/innovationAward-finalists.cfm">http://www.slas2017.org/awards/innovationAward-finalists.cfm</a>	Dynamic Profiling of Anti-Tumor Immune Response at the Single-Cell Resolution by Microfluidic Cell Pairing
2015	Phase 1 finalist at Follow That Cell Challenge/ Single cell analysis	NIH <a href="https://commonfund.nih.gov/singlecell/challenge">https://commonfund.nih.gov/singlecell/challenge</a>	Lab on a chip functional single cell phenotyping



2015	BD Biosciences immunology research grants	Becton Dickinson (BD) <a href="#">Link to the description</a>	Ultrasensitive bioassay with single cell resolution for dynamic cell-cell interaction studies
2015	Schumacher Faculty Award	Northeastern University	Presented to one faculty member early in their Northeastern career to recognize significant academic achievement.
2010-2013	Shriners Burn Hospital Fellowship	Shriners Burn Hospitals, Tampa, FL	Development of Burn Wound Vaccine
12/2009	Invitation to World Wide Marketed Publication of PhD dissertation	LAP Lambert Academic Publishing AG & Co. KG	PhD thesis
2006	Woman in Science Award 2006	Israel Ministry of Science	PhD achievements
2006	Outstanding PhD Student Award	Prof. Shemona Geresh Award	Indium-Tin Oxide-Coated Fiber Optic Immunosensors and Bio-Optic Devices
2006	Most Practical Science Project Award	5th Advanced Study Course on Optical Chemical Sensors (ASCOS 2006), Tihany, Hungary	Development of Immunological Device to Monitor Hepatitis B and C Virus in Patient Blood Samples
09/2005-09/2006	PhD Foreign Students Scholarship	Scholarship Program of ÉCOLE NORMALE SUPÉRIEURE DE CACHAN, France, for Foreign PhD Students	Optical Biomedical Technologies and Devices
10/2004-11/2007	PhD Excellency Scholarship	Scholarship awarded by <i>Kreitman</i> School of Advanced Graduate Studies, Ben-Gurion University of the Negev Beer-Sheva, Israel	PhD Research
2004	Scientific Award	Award from European Commission Institute for Health and Consumer Protection Ispra, Italy	Development of advance biotechnology devices to monitor infectious diseases
2001	Scientific Award	Award from SENSPOL	European Network on Sensors for Monitoring Water Pollution

### III. TEACHING

#### REPORT OF CLASSROOM TEACHING

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2018-	Northeastern University Department of Pharmaceutical Sciences Coordinator and Lecturer (100%)	<b>Role:</b> Course	Pharm Sci Journal Club (1 credit hour) Graduate Course, Spring Semester
2013-	Northeastern University Department of Pharmaceutical Sciences <b>Role:</b> Course Coordinator and Lecturer (50%)		PHSC3411 Pharmaceutics 1 (4 credit hours), Pharm.D. Program (Required), Undergraduate Course (~150 students), Fall Semester
2013-	Northeastern University Department of Pharmaceutical Sciences <b>Role:</b> Course Coordinator and Lecturer (32-40%)		PHSC3412 Pharmaceutics 2 (4 credit hours), Pharm.D. Program (Required), Undergraduate Course (~150 students), Summer Semester
2013-	Northeastern University Department of Pharmaceutical Sciences <b>Role:</b> Lecture (50%)		PHSC3419 Pharmaceutics Lab (1 credit hour), Pharm.D. Program (Required), Undergraduate Course (~150 students), Summer Semester
09/2006- 09/2007	Lecture and Laboratory instructor Ben-Gurion University of the Negev Beer-Sheva, Israel		Central Nervous System in Biotechnology aspect Laboratory instructor in the following courses: Genetic engineering and molecular biology
09/2005- 09/2007	Lecture and Laboratory instructor Ben-Gurion University of the Negev Beer-Sheva, Israel		Nuclear acids for Biotechnology Engineering (molecular biology) Genetic for Biotechnology Laboratory instructor in the following courses: Genetic engineering and molecular biology
09/2004- 09/2007	Laboratory Instructor Ben-Gurion University of the Negev Beer-Sheva, Israel		Biochemistry Genetic engineering

## MENTORING

### Postdoctoral Fellows/ Researchers in Konry lab

- 1. 01/2022-** **Dr. Agustin De Ganzó**  
*Project “Single molecule and cell multi- omic analysis in LOC devices”*
- 2. 10/2021- 08/2022** **Dr. Yichao Yan**  
*Project “Novel BioMEMS for tissue- chip and single cell analysis”*
- 3. 02/2021-10/2021** **Dr. Rajesh Kumari**  
*Project “Single molecule and cell multi- omic analysis in LOC devices”*  
**Published work in Konry lab:** Paper in preparation
- 4. 04/2021- 10/2021** **Dr. Sagar Agnihotri**  
*Project “Novel BioMEMS for tissue- chip and single cell analysis”*  
**Published work in Konry lab:** Submitted and in preparation
- 5. 02/2020 - 02/2021** **Dr. Alex Lin**  
**/Postdoctoral Fellow**  
*Project “ Rapid COVID-19 diagnostics”*  
**Published work in Konry lab:** Paper in preparation
- 6. 03/2014 - 06/2020** **Dr. Saheli Sarkar**  
*Project “Microfluidic applications towards development of cell-cell interaction and functional phenotyping”*  
**Published work in Konry lab:** Sixteen papers  
Currently: Senior Scientist at Applied Biomath
- 7. 12/2018 - 08/2019** **Dr. Yantao Fan**  
*Project “Novel bio-memetic micro-devices and single cell omic-analysis”*  
**Published work in Konry lab:** Paper in preparation
- 8. 03/2019 - 12/2020** **Dr. Stefano Ugolini**  
*Project “Novel bio-memetic micro-devices and single cell omic-analysis”*  
**Published work in Konry lab:** Two papers
- 9. 04/2017-04/2019** **Dr. Wenjing Kang**  
*Project “Developing a device for rapid diagnosis and antibiotic susceptibility testing”*  
**Published work Konry lab:** Two papers  
Currently: Project Engineer at Giner, Inc
- 10. 02/2016- 07/2016** **Dr. Lia Hondroulis**  
*Project “LOC approach to analyze cell-cell interaction at single cell resolution”*  
**Published work in Konry lab:** Two papers  
Currently: Field Applications Scientist at Unchained Labs
- 11. 12/2013-01/2016** **Dr. Noa Cohen**  
*Project “Microfluidic solutions to real time/dynamic bioassays development”*  
**Published work in Konry lab:** Ten papers  
Currently: Senior Engineer at Kateeva

## Grad students in Konry lab

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**1.09/2022-**                      **Rachel White**                                      Pharm Sci

*Project “Immunotherapy enhancement via cell-cell interaction and multi omic analysis”*

**2. 09/2022 -**                      **Judene Thomas**                                      Chemistry department

*Project “Development and validation of lab on a chip-based technology for immune regulation studies in cancer”*

**3. 09/2022-**                      **Christina Sharkey**                                      Pharm Sci/HMS student

**2. 09/2020-**                      **Estevam, Jose**                                      Pharm Sci  
(Takeda)

*Project “Immune regulation via single cell multi omic analysis studies in cancer”*

**2. 05/2018-**                      **Matthew Ryan Sullivan**                                      Graduate student  
Pharm Sci

*Project “Dynamic profiling of anti-tumor immune response at the single-cell resolution by droplet microfluidic cell pairing”*

**Published work in Konry lab: three papers**

**3. 05/2017-2021**                      **Ilana Berger**                                      International visiting Graduate  
student Sciences from Ben Gurion  
University, Department of  
Biotechnology engineering, Israel

*Project “Generation and functional assessment of 3D biomimetic tumor spheroids in microfluidics platform”*

**Published work in Konry lab: two papers**

**4.09/2018- 03/2020**                      **Amey Gaikwad**                                      Industrial Graduate student,  
Pharm Sci

*Project “Omic analysis of immunotherapy in LOC device”*

**5. 09/2013-12/2017** **Pooja Sabhachandani**                                      Graduate student  
Pharm Sci

*Project “Development of microanalysis systems for cancer diagnostics and therapeutic screening using droplet microfluidics”*

Accomplishments during her work in Konry’s lab:Pooja Sabhachandani was awarded with Shevell/Cohen Cancer Research Award (first place winner, 2015) and John Neumeyer Award (2017).

**Published work in Konry lab: Eighteen papers**

Currently: Scientist I, Cellular process development at Bluebird bio

## Rotating Graduate Students

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05-12/2018	<b>Evan Smith</b>	Department of Pharmaceutical Science
09-12/2018	<b>Jacqueline Saldana</b>	Department of Pharmaceutical Science
09-12/2018	<b>Jordie Kamuene</b>	Department of Pharmaceutical Science

## MS and undergraduate students in Konry lab

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2020-2021	Aditi Dave Akhila Konda, Arushi Sharma, Chinmayee Sharma, Sneha Yadav and Shreya Nelson Singh	MS in Bioengineering MS in Pharmaceutical Sciences and Biotechnology, Northeastern University
2019-2020	Fengqing Jian Tessa Brighton, Mary Lin, Radha Mollett	MS in Pharmaceutical Sciences Capstone students
2018-2019	Zhi Lin Shen, Xiang Ma Pingqian Zheng, Parnika Dalvi Ashwajith Someshwar	MS in Pharmaceutical Sciences and Biotechnology, Northeastern University
2017-2018	Seamus McKenney- 2 papers in Konry lab Ketaki Adhikari, Namrata Menon, Yuntong Wang , Zhi Lin Shen , Awdhoot Godbole Radhika, Kulkarni , Ria Rajesh Bedi Xinyi Shao , Suchitra Ramesh, Supriya Nagarajan, Viren Bhatia Millicent Gabriel, Ramitha Manivannan	MS in Pharmaceutical Sciences and Biotechnology, Northeastern University
2015 -2017	Sai Mynampati, Rucha Adhav Himali Shroff, Abhishek Chiyyeada  Sayalee Potdar, Sneha Pawar Kristy Fang	MS Biotechnology, Northeastern University  MS Pharmacology, Northeastern University
02/2014 - 06/2015	Vinny Motwani	MS Biotechnology, Northeastern University, Currently: Bioassay Development at Momenta Pharmaceuticals <u>Published work Konry lab</u> : one paper

02/2014 - 06/2015	Abhinav Gupta, Sneha Varghese	MS Biotechnology, Northeastern University Currently: Momenta Pharmaceuticals Sneha Varghese: Laboratory Technician II at Siemens Healthcare
02/2014 - 06/2014	Micah Amdur-Clark	Undergraduate Student, Pharmaceutical Sciences, Northeastern University

**Prior supervisory roles:**

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1.03/2012 - 08/2014	<b>Dr. Alex Golberg</b>	Postdoctoral fellow at MGH/Harvard Medical School
<i>Project "Nano-liter immunosorbent assay: reaction kinetics modeling and validation of immunization status"</i>		
<b>Published work:</b> Five papers		
Currently: Assistant Professor at Tel Aviv University, Israel		

2.09/2004 - 09/2006	<b>Alexandra Petrosava</b>	Undergraduate Student at BGU, Department of Biotechnology Engineering
<i>Project "Development of virus diagnostic tools and optical biosensing"</i>		
<b>Published work:</b> One paper		
Currently: Senior Research Technician, Columbia University, US		

3.09/2005 - 09/2006	<b>Yael Heyman</b>	Undergraduate Student at BGU, Department of Biotechnology Engineering
<i>Project "Development of electrochemical and optical biosensing"</i>		
<b>Published work:</b> Electrochimica Acta ranked #4 journal in electrochemistry.		

**IV. SERVICE**

**Committees member at Northeastern University**

2019-	Merit review committee chair for Pharm.Sci. Department
2014-2018	Graduate Committee, Department of Pharmaceutical Sciences
2018-2019	Admission Committee, Bouvé College of Health Sciences
2017- 2019	Assessment Committee, Bouvé College of Health Sciences
2015-2016	Graduate Affairs, Bouvé College of Health Sciences
2016	Chair search committee, Department of Pharmaceutical Sciences
2018	Teaching Assistant/Associated Prof. search committee chair, Pharm.Sci.
2014	John Neumeyer Award Committee, Pharm.Sci. Department
2013-	Student Portfolio evaluation (Pharm.D), Bouvé College of Health Sciences
2013-	Sophomore Pharm. D student interviews, Bouvé College of Health Sciences

## Grant Review Activity

- NSF- Biosensing and CBET programs
- NIH - NIH/NCI IMAT R21/R33, NIH/P30 grant applications NIAMS Skin Biology and Diseases Resource-based Centers, NIH/Small Business and Technology Transfer (SBIR/STTR) Study Sections
- Medical Research Council (MRC) UK
- Swiss National Science Foundation (SNSF)
- NASA
- Tier1/NEU

## PROFESSIONAL SERVICES AND ACTIVITIES

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**Editorial Board Member** of Scientific Reports/ Nature

**Editorial Associate** Technology journal

**Editorial Board Member** Austin Journal of Analytical & Pharmaceutical Chemistry

**Editorial Board Member** The Scientific World Journal

**Review Editor** Frontiers in Analytical Chemistry/Editorial Board of Frontiers in Analytical Chemistry

**Reviewer** Nature communications

*Nature Communications* is an open access journal that publishes high-quality research in biology, physics, chemistry, Earth sciences, and all related areas.

Impact factor: 12.357

**Reviewer** Analytical Chemistry

*Analytical Chemistry* is a biweekly peer-reviewed scientific journal published since 1929 by the American Chemical Society.

Impact factor: 6.3

**Reviewer** Biomaterials

Biomaterials is an international journal covering the science and clinical application of biomaterials.

Impact factor: 8.8

**Reviewer** PlosOne

*PLOS One* is a peer-reviewed open access scientific journal published by the Public Library of Science since 2006. The journal covers primary research from any discipline within science and medicine.

Impact factor: 2.806

**Reviewer** Scientific reports/ Nature group journal

*Scientific Reports* is an online open access scientific mega journal published by the Nature Publishing Group, covering all areas of the natural sciences.

Impact factor: 4.122

**Reviewer** Biosensors and Bioelectronics

*Biosensors & Bioelectronics* is the principal international journal devoted to research, design, development and application of biosensors and bioelectronics. It is an interdisciplinary journal serving professionals with an interest in the exploitation of biological materials and designs in novel diagnostic and electronic devices including sensors, DNA chips, electronic noses, lab-on-a-chip. Impact factor: 9.5

**Reviewer** Chemical Communications

*Chemical Communications* is the leading weekly journal for the publication of communications on important developments in the chemical sciences. This journal is renowned as the fastest publisher of articles providing information on new avenues of research, drawn from all the world's major areas of chemical research.

Impact factor: 6.29

**Reviewer Integrative Biology**

*Integrative Biology* provides a unique venue for research that allows expansion of our knowledge of biology by gaining new insights into important biological and biophysical questions through the application of (novel) enabling quantitative tools and/or technologies (from the nanoscale to the macroscale)

Impact Factor 3.294

**Reviewer Lab on a Chip**

*Lab on a Chip* provides a unique forum for the publication of significant and original work related to miniaturisation (on or off chips) at the micro- and nano-scale across a variety of disciplines including: chemistry, biology, bioengineering, physics, electronics, clinical/medical science, chemical engineering and materials science, which is likely to be of interest to the multidisciplinary community that the journal addresses.

Impact factor: 6.9

**Reviewer Biomicrofluidics**

AIP Publishing designed to rapidly disseminate research that elucidates fundamental physicochemical mechanisms associated with microfluidic, nanofluidic, and molecular/cellular biophysical phenomena in addition to novel microfluidic and nanofluidic techniques for diagnostic, medical, biological, pharmaceutical, environmental, and chemical applications.

Impact factor: 2.571

**Reviewer Analyst**

The home of premier fundamental discoveries, inventions and applications in the analytical and bioanalytical sciences.

Impact factor: 3.885

**PARTICIPATION IN SCIENTIFIC CONFERENCES**

05/2022	Josep Carreras Leukaemia Research Institute, invited lecture	Invited speaker: ScanDrop - Single cell function analysis
2/2022	BGU, invited lecture	Determining treatment sensitivity in B cell lymphoma by novel microfluidics- based NK cell immunogenicity platform
01/21/2021	SLAS	<i>Invited speaker: ScanDrop - Single cell function analysis</i>
12/11-12/2019	Cell Therapy Analytical Development Summit	<i>Invited speaker: An Integrated Microfluidic Platform for Multi-dimensional Analysis and Multi-omic Classifications of Effector Immune Cell Functions</i>
11/07/2019	Genentech	<i>Invited speaker: Dynamic Analysis of Human Natural Killer Cell Response at Single-Cell Resolution</i>
10/22/2019	Novartis	<i>Invited speaker: Novel platform technology for single cell functional multi-omic and tumor on-a-chip multi- dimensional analysis</i>



17/10/2019	Tgen	<i>Invited speaker: Single Cell and 3D Tumor Chip Functional Multi-Omic Analysis</i>
08/05-09/2019	The Annual Immuno-Oncology Summit	<i>Invited speaker: Dynamic Analysis of Human Natural Killer Cell Response at Single-Cell Resolution in B-Cell Non-Hodgkin Lymphoma</i>
05/14-15/2019	5th Annual Single Cell Analysis Congress	<i>Invited speaker: Single Cell Functional Multi-Omic Analysis</i>
02/19-20/2019	3rd Annual Precision LBx Summi	<i>Educational</i>
09/26-27/2018	NK Cell-Based Cancer Immunotherapy	<i>Invited speaker: Dynamic Analysis of Human Natural Killer Cell Response at Single-Cell Resolution</i>
08/19/2018	256th ACS National Meeting - American Chemical Society	<i>Invited speaker: Dynamic profiling of anti-tumor immune response at the single-cell resolution by droplet microfluidic cell pairing</i>
04/14-18/2018	AACR Annual Meeting 2018	<i>Invited speaker: by NIH IMAT/NCI program director</i>
04/08/18-04/10/18	UCSC Electrical Engineering Department Seminar Invitation	<i>Invited speaker: Understanding of NK Cell Effector Functions: A Single-Cell Lab-on-a-Chip Perspective</i>
03/26-28/2018	BIT's 6th Annual Conference of AnalytiX-2018	<i>Invited speaker: An Integrated Droplet-based Platform for Classification of Lymphocyte Activity and Functional Phenotyping at Single Cell Level</i>
2/2/2018	MIT Biophysics Seminar Invitation	<i>Invited speaker</i>
12/5-7/2017	Sensors Global Summit	<i>Invited speaker: Integrated Microfluidic Platform for Rapid Antimicrobial Susceptibility Testing and Bacterial Growth Analysis</i>
12/5-6/2017	Targeting Innate Immune Cells	<i>Invited speaker: Autologous ex vivo Understanding of NK Cell Effector Functions: A Single-Cell Lab-on-a-Chip Perspective</i>
06/13/2017	Sandia labs	<i>Invited speaker</i>
07/10-11/2017	Organ-on-a-Chip World Congress & 3D-Printing	<i>Invited speaker: Biomimetic Tissue-Engineered Technology to Identify Tumor-Stroma Cross Talk and Novel Drug Candidates</i>

06/26-28/2017	Biodefence World Summit 2017	<i>Invited speaker: Quantitative Analysis of Bacterial Growth and Rapid Antimicrobial Susceptibility Testing in an Integrated Microfluidic Platform</i>
03/15-16/2017	Third Annual BioEngineering 2017: BioMEMS/Microfluidics, 3D-Bioprinting, Tissue Engineering & Synthetic Biology	<i>Invited speaker: Correlating Single Cell Interactions to Collective Cellular Responses in 3D Tumor Spheroids Using Droplet Microfluidics</i>
02/14/2017	SLAS	<i>Invited speaker/ <u>SLAS Innovation Award Finalist</u> : Dynamic Profiling of Anti-Tumor Immune Response at the Single-Cell Resolution by Microfluidic Cell Pairing</i>
09/19/2016	NK Cell-Based Cancer Immunotherapy	<i>Invited speaker: Understanding of NK Cell Effector Functions: A Single-Cell Lab-on-a-Chip Perspective</i>
08/21-25/2016	American Chemical Society: Division of Analytical Chemistry	<i>Invited speaker: Dynamic profiling of anti-tumor immune response at the single-cell resolution by droplet microfluidic pairing</i>
07/11-12/2016	Microfluidics Congress: USA	<i>Chair</i>
06/28-29/2016	Biodefence World Summit 2016	<i>Invited speaker: ScanDrop Platform for Microbial Detection and Phenotypic Drug Analysis</i>
03/21-22/2016	Circulating Biomarkers World Congress 2016	<i>Invited speaker: Single cell Functional Phenotyping and Phenotypic Drug Profiling in Droplet Microfluidics for Better Targeting of Drug-Resistant Tumors</i>
03/02-03/2016	NIH single Annual Investigators Meeting	<i>Invited speaker: Development and validation of lab on a chip-based technology for immune regulation studies in cancer</i>
11/11-14/2015	Single cell analyses, Cold Spring Harbor Meeting	<i>Invited speaker: Droplet microfluidic based Lab On a Chip biotechnology for characterization of single cell dynamics in immune system</i>
06/26/2015	Sixth Microfluidics Consortium, Centre for Business Innovation	<i>Invited speaker: Droplet based microfluidic for drug and immunotherapy screening</i>

06/23-24/2015	Annual Biodetection Technologies: Point-of-Care for Biodefense	<i>Invited speaker: ScanDrop – Portable Lab-on-a-Chip Diagnostic Platform for Ultra Fast Pathogen Detection and Susceptibility Testing</i>
05/01/2015	Dolomite Microfluidic Workshop, British Consulate (Boston)	<i>Invited speaker: Lab on a chip cell studies and clinical interactions and perspectives</i>
04/19-22/2015	The ASME 2015 4th Global Congress on NanoEngineering for Medicine and Biology, Minneapolis, MN,	<i>Invited speaker: Live single cell functional phenotyping in droplet nano liter reactors</i>
04/09/2015	RISE: Research, Innovation, and Scholarship Expo, NEU	<i>Poster presentations</i>
04/18-21/2015	NIH single Annual Investigators Meeting	<i>Invited speaker: Live single cell functional phenotyping in droplet nano liter reactors</i>
03/23-24/2015	Circulating Biomarkers World Conference	<i>Oral presentation: Live Single Cell Functional Phenotyping in Droplet Micro-Reactors</i>
06/17/2014	Quantitative digital detection technologies	<i>Invited presenter and Chairperson Oral presentation: Live Single-Cell Functional Phenotyping in Droplet Nanoliter Reactors</i>
4/10/2014	RISE: Research, Innovation, and Scholarship Expo, NEU	<i>Poster presentation: Development of continuous interstitial insulin monitoring approach in T1D for optimizing the performance of bionic pancreas systems</i>
8-14/-2/2013	NanoSensorPhotonics	<i>Oral presentation: Microfluidic Nano-Liter Platforms and Bioartificial “lympoid-like” organ for immune regulation</i>
17-19/09/2012	Applied Pharmaceutical Analysis - 2012	<i>Oral presentation: Development of novel assays and platforms for dynamic biomarker and cell monitoring</i>
11/05-09/2011	Nano Sensor Photonics 2011	<i>Oral presentation: Microfluidic Nano-Liter Platforms and Bioartificial “lympoid-like” organ for immune deficiency regulation in burn wound and cancer patients</i>
06/21/2011	DARPA and FDA Workshop on Preclinical Platforms for Evaluating Medical Countermeasure Efficacy and Toxicity Arlington, VA,US	<i>Educational</i>
06/14/2011	Tech Connect World 2011,Boston, US	<i>Educational</i>

09/10/2010	Cellular Metabolism and Cancer, US	<i>Educational</i>
06/06/2010	Cancer Proteomics Conference Berlin, Germany	<i>Presented: Peptide and Dendritic Cells - Laden Scaffolds for the Cancer and Burn wound Vaccine (Poster)</i>
02/24/2010	The 34th Annual SAC Poster Session, US	<i>A Microfluidic Sorting Method Based on Secreting Molecules for Single Cell Analysis (Poster)</i>
10/30/2009	17th Annual Irwin M. Arias Symposium Bridging Basic Science and Liver Disease, Boston	<i>Educational</i>
07/04/2008	Gordon Research Conference on Bioanalytical Sensors, Bryant University, Smithfield, RI	<i>Microsphere-Based, Fiber-Optic DNA and Protein Microarrays for Simultaneous Detection of Both Bacterial DNA and Induced Inflammatory Mediators IL-6 and IL-8 (Poster)</i>
05/10/2006	The Ninth World Congress on Biosensors Toronto, Canada	<i>Electrogenerated Indium-Tin Oxide-Coated Glass Biochip Surfaces with Photosensitive Interfaces: Surface Analysis (poster)</i>
12/10/2005	The First France-Israel Bi-National Workshop on NanoBioPhotonics Israel	<i>Physico-chemical Studies of ITO-Coated Fiber-Optic Biosensor (Poster)</i> <i>Indium-Tin-Oxide-Coated Fiber-Optic Immunosensor For Detection Of Anti-Ebola Virus Antibodies (Poster)</i>
06/03/2005	The 6th Minerva Student Symposium on Molecular Based Devices Weizmann Institute of Science Rehovot, Israel	<i>Optical Fiber Immunosensor Based on Poly(Pyrrole-Benzophenone) Film for Detection of Antibodies to Viral Antigen (Poster)</i>
02/20/2005	FRISNO-8, the 8th European /French Israeli Symposium on Nonlinear and Quantum Optics, Israel	<i>Physicochemical Studies of ITO-Coated Fiber-Optic Biosensor (Poster)</i>
06/09/2004	Electro-Optic BGU & Industry Workshop, Israel	<i>Physicochemical Studies Of ITO-Coated Fiber-Optic Biosensor (Poster)</i>
6-9/05/2004	The 8 <sup>th</sup> World Congress on Biosensors Granada, Spain	<i>Indium - Tin Oxide - Coated Fiber Optic Immunosensor for The Detection of Viral Antigen (Poster)</i>
4/12/2003	The 3 <sup>rd</sup> France-Israeli Workshop on Biosensors, Biochips & Nanobiotechnology Israel	<i>Indium-Tin Oxide-Coated Fiber Optic Immunosensor for the Detection of Anti Hepatitis C Virus -E2 Envelope Protein (Poster)</i>

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