

**Jordan R. Yaron, Ph.D.**  
Assistant Research Professor

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**Current Address:**  
Rege Bioengineering Lab  
School for Engineering of Matter, Transport and Energy  
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<https://biodesign.asu.edu/jordan-yaron>

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**Education**

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- 2015 Doctor of Philosophy, Biological Design**  
Arizona State University  
Dissertation: *Ion Flux Regulates Inflammasome Signaling*  
available at <https://repository.asu.edu/items/29676>  
Committee: Dr. Deirdre R. Meldrum, Dr. Joseph N. Blattmann, Dr. Honor L. Glenn
- 2010 Bachelors of Science, Biological Sciences – Genetics, Cell and Developmental Biology**  
Arizona State University  
*Summa cum laude*  
Honors Thesis: *Automated Confocal Microscopy Assay: Studying Heterogeneity and Toxic Variability in Neoplastic Progression of Barrett’s Esophagus Cells*  
Committee: Dr. Cody Youngbull, Dr. Page Baluch, Dr. Robert W. Roberson

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**Professional Experience**

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- 2020 – Present Assistant Research Professor**  
Arizona State University, Ira A. Fulton Schools of Engineering  
School for Engineering of Matter, Transport and Energy  
Rege Bioengineering Lab
- 2020 Assistant Research Professor**  
Arizona State University, The Biodesign Institute  
Virginia G. Piper Center for Personalized Diagnostics  
Lucas Viral Immune Modulator Lab
- 2017 – 20 Postdoctoral Research Associate** Advisor: Alexandra Lucas, MD, FRCPC  
Arizona State University, The Biodesign Institute  
Virginia G. Piper Center for Personalized Diagnostics  
Lucas Viral Immune Modulator Lab
- Summer 2017 Visiting Scholar** Advisor: Alfred S. Lewin, PhD  
University of Florida, Dept. of Molecular Genetics & Microbiology  
Lewin Immune Modulation Gene Therapy Lab
- 2015 – 17 Research Fellow** Advisor: Vijay P. Singh, MBBS  
Mayo Clinic, Dept. of Medicine  
Singh Pancreatitis and Acute Outcomes Research Lab
- 2010 – 15 Graduate Research Associate** Advisor: Deirdre R. Meldrum, PhD  
Arizona State University, The Biodesign Institute  
Center for Biosignatures Discovery Automation
- Fall 2010 Student Researcher** Advisor: Cody Youngbull, PhD  
University of Washington – Arizona State University  
Enlighten 2010 Expedition  
*R/V Thomas G. Thompson* John R. Delaney, PhD
- 2009 – 10 Research Assistant** Advisor: Cody Youngbull, PhD  
Arizona State University, The Biodesign Institute  
Center for Ecogenomics

## Teaching

- 2017 – Present**     **Guest Lecturer**  
Arizona State University  
*MIC 220*            *Biology of Microorganisms (Dr. Efrem Lim)*  
*PHY 472*            *Advanced Biophysics (Dr. Rizal Hariadi)*  
*CHE 494/598*      *Nanobiotechnology (Dr. Sheba Goklany)*
- 2012**            **Teaching Assistant**  
Arizona State University, Graduate College  
*BDE 702*            *Biological Design II*  
*BIO 610*            *Responsible Conduct in Research*
- 2011 – 12**     **Science Foundation Arizona Doctoral Teaching Fellow**  
Arizona State University and Kyrene School District, Tempe, AZ  
*K-12*                *ASU Citizen-Scientist Engineer Program*
- 2009**            **Teaching Assistant**  
Arizona State University, Barrett Honors College  
*HON 272*            *The Human Event*
- 2008**            **Instructor**  
Arizona State University, Barrett Honors College  
*K-12*                *Barrett Summer Scholars*

## Awards & Recognition

- 2019**            Ehrlich Award for Immunology Applications, Biodesign FUSION Scientific Retreat, Phoenix, AZ
- 2017**            Best Oral Pres., 8th Int'l. Symposium on SERPINS & Proteases in Health & Disease, Shanghai, China
- 2016**            Poster of Distinction (x2), American Pancreatic Association 47th Annual Meeting, Boston, MA, USA
- 2016**            Young Investigator Award, American Pancreatic Association 47th Annual Meeting, Boston, MA, USA
- 2014**            Travel Award, Graduate & Professional Students Association, Arizona State University
- 2014**            Travel Award, School of Biological & Health Systems Engineering, Arizona State University
- 2014**            Microscopy & Microanalysis 2014 Presidential Scholar Award
- 2014**            Google for Entrepreneurs Start-Up Weekend, 1st Place Overall Winner (Team Leader)
- 2013**            Life Technologies/Ion Torrent Art of Breakthrough Contest, Finalist
- 2012**            Arizona Imaging & Microanalysis Society 2012 Meeting Poster Award
- 2011 – 12**     Doctoral Fellowship, Science Foundation Arizona
- 2011**            Life Technologies/Molecular Probes Cell Imaging Contest, 2nd Place
- 2010**            Doctoral Recruitment Fellowship, Arizona State University

## Patents

- Issued**        **Aliquot Tray**  
2015-06-16      USD732187    (cited as prior art in 25 patents)  
2019-01-08      USD838004    (cited as prior art in 1 patent)  
2019-02-26      USD84183
- Filed**          **Methods of Wound Healing with Serp-1 Polypeptides**  
2018-05-18      US Application No. 62/673,386  
2019-05-17      PCT Application No. PCT/US19/32997  
2020-04-10      *Exclusive Option Signed – Serpass Biologics*
- Filed**          **Serine Proteinase Inhibitors: SERP-1 and SERP-1 RCL-Derived Peptide Effect on Microbiome Composition and Uses Thereof**  
2019-01-14      US Application No. 62/792,201  
2020-01-13      PCT Application No. PCT/US20/13398  
2020-04-10      *Exclusive Option Signed – Serpass Biologics*
- Filed**          **Methods of Modulating Inflammation Associated with Spinal Cord Injury**  
2019-02-21      US Application No. 62/808,707
- Filed**          **New Composition of Immunomodulating Serpin, Serp-1**  
2020-04-29      US Application No. 63/017,598

## Professional Societies

<b>American Heart Association</b>	<i>Member</i>
<b>American Society for Cell Biology</b>	<i>Member and ASU Ambassador</i>
<b>Arizona Imaging and Microanalysis Society</b>	<i>Board Member</i>
<b>European Atherosclerosis Society</b>	<i>Member</i>
<b>International Atherosclerotic Society</b>	<i>Member</i>
<b>North American Vascular Biology Organization</b>	<i>Member</i>

## Service

<b>Present</b>	Co-Chair, 10th Int'l. Symposium on SERPINS & Proteases in Health & Disease, Sedona, AZ (Scheduled for Fall 2022)	
<b>2020</b>	Invited Speaker, Smile on Seniors of Arizona	
<b>2019 – Present</b>	Planner and Workshop Instructor, 2021 AIMS Annual Meeting, Arizona Imaging and Microanalysis Society (Deferred to 2021)	
<b>2019</b>	Grand Awards Judge, Intel International Science & Engineering Fair	
<b>2019</b>	Chair, Biodesign Postdoc Career Club	
<b>2018 – Present</b>	Expert Consultant, Bioscience Imaging Core, The Biodesign Institute, Arizona State University	
<b>2017</b>	Invited Speaker, Science with a Twist, Arizona Science Center	
<b>2016</b>	Bioscience Panelist, Phoenix Fanfest	
<b>2014</b>	Invited Speaker, Science Cafe at MACH, Phoenix Central Library	
<b>2014 – Present</b>	Ambassador to Arizona State University, American Society for Cell Biology	
<b>2014, -16, -17</b>	Bioscience Panelist, Phoenix ComiCon	
<b>2014</b>	Career Fair Visitor, Tavan Elementary School	
<b>2014</b>	Arizona Regionals Judge, Arizona Science and Engineering Fair	
<b>2014</b>	Arizona Regionals Judge, FIRST Robotics Competition	
<b>2013 – 20</b>	Committee for Postdocs and Students (COMPASS), American Society for Cell Biology	
<b>2012 – 15,</b>	Volunteer, ASU/Biodesign Night of the Open Door	
<b>2017 – Present</b>		
<b>2011</b>	Judge, Foothills Elementary School Science Fair	
<b>2009 – 15,</b>	Biodesign Lab Liaison, The Biodesign Institute at Arizona State University	
<b>2017 – 20</b>		
<b><u>Peer Reviewer</u></b>	<i>Cell Death and Disease</i> <i>Cellular Physiology &amp; Biochemistry</i> <i>Histology and Histopathology</i> <i>Genes</i> <i>PLoS ONE</i> <i>Cell Biology and Toxicology</i> <i>Pancreatology</i> <i>Molecules</i> <i>International Journal of Molecular Sciences</i>	<i>FASEB Journal</i> <i>Cancer Management and Research</i> <i>Diagnostics</i> <i>Biomedicines</i> <i>Tissue and Cell</i> <i>Journal of Clinical Medicine</i> <i>Cells</i> <i>Pharmaceuticals</i> <i>Vaccines</i>

## Mentoring History

# Honors Thesis Committee & Masters Thesis Committee

<b><u>Years</u></b>	<b><u>Mentee</u></b>	<b><u>Current Position/Location</u></b>
<b>2010 – 12</b>	Mr. Andrew Shabilla	Process Development Engineer, Illumina, San Diego, CA
<b>2010 – 12</b>	# Ms. Colleen Ziegler	Director of Operations, bioSyntagma, Phoenix, AZ
<b>2013</b>	Ms. Garima Khanal	Staff Writer, Women's Republic, Glendale, AZ
<b>2013 – 15</b>	Dr. Mounica Rao	Pediatrics Resident, Children's Hospital of Los Angeles
<b>2014 – 15</b>	Mr. Fred Lee	Medical student, University of Illinois College of Medicine
<b>2015</b>	Mr. Shubham Trivedi	Undergraduate, Arizona State University
<b>2016</b>	Ms. Saara Khan	Undergraduate, Cornell University
<b>2017</b>	Ms. Quinn Urbaniak-Dornstauder	Professional basketball player, Cadí La Seu, La Seu d'Urgell, Spain
<b>2017 – 19</b>	Ms. Mercedeh Javadi	MPH student, University of Arizona
<b>2018</b>	Ms. Sarah Wallace, MBA	Private Business Owner, Arizona
<b>2018 – 19</b>	Dr. Savanah McMahon	Pathology Resident, Yale University – New Haven Hospital
<b>2019 – 20</b>	Dr. Ayman Fath	Internal Medicine Resident, Creighton University Arizona Health Ed. Alliance, Phoenix, AZ
<b>2019 – 20</b>	Ms. Enkidia Awo	Post baccalaureate medical school prospective

<b>2019 – 20</b>	Dr. Michael Juby	Internal Medicine Resident, Naval Medical Center Portsmouth, Virginia
<b>2017 – Present</b>	& Ms. Michelle Burgin	Master's (+1) student, Molecular and Cellular Biology
<b>2018 – Present</b>	# Ms. Lauren Schutz	Undergraduate Honors student
<b>2019 – Present</b>	Mr. Deepanjan Ghosh	PhD student, Biological Design
<b>2020</b>	Ms. Roxana Beladi	KCU School of Medicine student
<b>2020</b>	Mr. Kyle Varkoly	KCU School of Medicine student

## Publications

- 2020** Kwiecien JM, Dabrowski W, **Yaron JR**, Zhang L, Delaney KH, Lucas AR (2020). [The Role of Astrogliosis in Formation of the Syrxinx in Spinal Cord Injury](#). *Current Neuropharmacology*. *In Press*.
- Ghosh D, Godeshala S, Nitiyanandan R, Islam MS, **Yaron JR**, DiCaudo D, Kilbourne J, Rege K (2020). [Copper-Eluting Fibers for Enhanced Tissue Sealing and Repair](#). *ACS Applied Materials & Interfaces*. 12(25), 27951-27960
- Kwiecien JM<sup>†</sup>, Zhang L<sup>†</sup>, **Yaron JR**<sup>†</sup>, Schutz LN, Kwiecien-Delaney CJ, Awo EA, Burgin M, Dabrowski W, Lucas AR (2020). [Local Chitosan-Serpin Injection after Spinal Cord Injury Reduces Inflammatory Damage and Improves Neurologic Function](#). *Journal of Clinical Medicine*. 9(4), 1221 (†Equal Contributions)
- Yaron JR**<sup>†</sup>, Zhang L<sup>†</sup>, Guo Q, Burgin M, Schutz L, Awo E, Wise L, Krause KL, Ildefonso CJ, Kwiecien JM, Juby M, Rahman MM, Chen H, Moyer RW, Alcamí A, McFadden G, Lucas AR (2020). [Deriving Immune Modulating Drugs from Viruses – A New Class of Biologics](#). *Journal of Clinical Medicine*. 9(4), 972 (†Equal Contributions)
- Kwiecien JM, Dabrowski W, Dabrowska-Bouta B, Sulkowski G, Oakden W, Kwiecien-Delaney CJ, **Yaron JR**, Zhang L, Schutz L, Marzec-Kotarska B, Stanisiz GJ, Karis JP, Struzynska L, Lucas AR (2020). [Prolonged inflammation leads to ongoing damage after spinal cord injury](#). *PLoS ONE*. 15(3), e0226584
- Yaron JR**<sup>†</sup>, Ambadapadi S<sup>†</sup>, Zhang L, Chavan RN, Tibbetts SA, Keinan S, Varsani A, Maldonado J, Tafoya AM, Bullard WL, Kilbourne J, Stern-Harbutte A, Krajmalnik-Brown R, Munk BH, Koppang EO, Lim ES, Lucas AR (2020). [Immune protection is dependent on the gut microbiome in a lethal mouse gammaherpesviral infection](#). *Scientific Reports*. 10(1), 1-13 (†Equal Contributions)
- Khatua B, **Yaron JR**, El-Kurdi B, Kostenko S, Papachristou GI, Singh VP (2020). [Ringer's lactate prevents early organ failure by providing extracellular calcium](#). *Journal of Clinical Medicine*. 9(1), 263
- 2019** Zhang L<sup>†</sup>, **Yaron JR**<sup>†</sup>, Tafoya AM, Wallace SE, Kilbourne J, Haydel S, Rege K, McFadden G, Lucas AR (2019). [A virus-derived immune modulating SERPIN accelerates wound closure with improved collagen remodeling](#). *Journal of Clinical Medicine*. 8(1626), 1-17 (†Equal Contributions)
- **Selected as issue cover**
- Yaron JR**<sup>†</sup>, Chen H<sup>†</sup>, Ambadapadi S<sup>†</sup>, Zhang L, Tafoya AM, Munk BH, Wakefield D, Fuentes J, Marques BJ, Harripersaud K, Bartee MY, Davids J, Zheng D, Rand K, Dixon L, Moyer R, Clapp W, Lucas AR (2019). [Serp-2, a virus-derived apoptosis and inflammasome inhibitor, attenuates liver ischemia-reperfusion injury in mice](#). *Journal of Inflammation*. 16(1), 12 (†Equal Contributions)
- Yaron JR**<sup>†</sup>, Kwiecien JM<sup>†</sup>, Zhang L<sup>†</sup>, Ambadapadi S, Wakefield DN, Clapp WL, Dabrowski W, Burgin M, Munk BH, McFadden G, Chen H, Lucas AR (2019). [Modifying the Organ Matrix Pre-Engraftment; A New Transplant Paradigm?](#) *Trends in Molecular Medicine*. 25(7), 626-639 (†Equal Contributions)
- Kwiecien JM, Dabrowski W, Marzec-Kotarska B, Kwiecien-Delaney CJ, **Yaron JR**, Zhang L, Schutz L, Lucas AR (2019). [Myxoma virus derived immune modulating proteins, M-T7 and Serp-1, reduce early inflammation after spinal cord injury in the rat model](#). *Folia Neuropathologica*. 57(1), 41-50
- 2018** Chen H, Bartee M, **Yaron J**, Liu L, Zhang L, Zheng D, Hogue I, Bullard W, Tibbetts S, Lucas A (2018). [Mouse Gamma Herpesvirus MHV-68 Induces Severe Gastrointestinal \(GI\) Dilatation in Interferon Gamma Receptor-Deficient Mice \(IFN \$\gamma\$ R<sup>-/-</sup>\) That Is Blocked by Interleukin-10](#). *Viruses*. 10(10), 518
- Kostenko S, Heu CC, **Yaron JR**, Singh G, Oliveira CD, Muller WJ, Singh VP (2018). [c-Src Regulates Cargo Transit via the Golgi in Pancreatic Acinar Cells](#). *Scientific Reports*. 8(1), 11903
- Chen H, Ambadapadi S, Wakefield D, Bartee MY, **Yaron JR**, Zhang L, Archer-Hartmann SA, Azadi P, Burgin M, Borges C, Zheng D, Ergle K, Muppala V, Morshed S, Rand K, Clapp W, Proudfoot A, Lucas A (2018). [Selective Deletion of Heparan Sulfotransferase Enzyme, Ndst1, in Donor Endothelial and Myeloid Precursor Cells Significantly Decreases Acute Allograft Rejection](#). *Scientific Reports*. 8(1), 13433

Mahon BP, Ambadapadi S, **Yaron JR**, Lomelino CL, Pinard MA, Keinan S, Kurnikov I, Macaulay C, Zhang L, Reeves W, McFadden G, Tibbetts S, McKenna R, Lucas AR (2018). [Crystal Structure of Serp-1, a Myxomavirus-derived Immune Modulating Serpin; Structural Design of Serpin Reactive Center Loop \(RCL\) Peptides with Improved Therapeutic Function.](#) *Biochemistry*. 57(7), 1096-1107

- 2017** Al-Ani M<sup>†</sup>, Ambadapadi S<sup>†</sup>, **Yaron JR**<sup>†</sup>, Zheng D, Fortunel A, Doroton-Guevara M, Liu L, Morshed S, Fricker J, Miles W, McKillop M, Lucas A (2017). [Atrial Fibrillation Ablation Increases Inflammation-Chemokine Modulation Suppresses Activation of Leukocytes Isolated after Ablation.](#) *Cardiovascular and Hematologic Disorders: Drug Targets*. 17(3), 195-204 (†Equal Contributions)
- Lucas A, Ambadapadi S, Mahon B, Viswanathan K, Chen H, Liu L, Dai E, Munuswami-Ramanujam G, Kwiecien JM, **Yaron JR**, Narute PS, McKenna R, Keenan S, Brantly M, McFadden G (2017). [The Serpentine Solution.](#) *Journal of Clinical and Experimental Cardiology*. 8(1), e150
- 2016** **Yaron JR**, Rao MY, Gangaraju S, Zhang L, Kong X, Su F, Tian Y, Glenn HL, Meldrum DR (2016). [The oxindole Syk inhibitor OXSI-2 blocks nigericin-induced inflammasome signaling and pyroptosis independent of potassium efflux.](#) *Biochemical and Biophysical Research Communications*. 472(3), 545-550
- Oliveira CD, Patel K, Mishra V, Trivedi RN, Noel P, Singh A, **Yaron JR**, Singh VP (2016). [Characterization and Predictive Value of Near Infrared 2-Deoxyglucose Optical Imaging in Severe Acute Pancreatitis.](#) *PLoS ONE*. 11(2), e0149073
- 2015** **Yaron JR**, Gangaraju S, Rao MY, Kong X, Zhang L, Su F, Tian Y, Glenn HL, Meldrum DR (2015). [K<sup>+</sup> regulates Ca<sup>2+</sup> to drive inflammasome signaling: dynamic visualization of ion flux in live cells.](#) *Cell Death and Disease*. 6(10), e1954
- Kong X, Su F, Zhang L, **Yaron J**, Lee F, Shi Z, Tian Y, Meldrum DR (2015). [A Highly Selective Mitochondria-Targeting Fluorescent K<sup>+</sup> Sensor.](#) *Angewandte Chemie: International Edition*. 54(41), 12053-12057
- 2014** **Yaron JR**, Ziegler CP, Tran TH, Glenn HL, Meldrum DR (2014). [A convenient, optimized pipeline for isolation, fluorescence microscopy and molecular analysis of live single cells.](#) *Biological Procedures Online*. 16(9)

#### Published Abstracts / Proceedings

- 2019** **Yaron J**, Ambadapadi S, Zhang L, Tibbetts S, Keinan S, Chavan R, Varsani A, Maldonado J, Tafoya A, Bullard W, Kilbourne J, Munk B, Thomas R, Koppang E, Lim E, Lucas A (2019). [Gut Microbiota Determine Severity Of Lethal Gammaherpesvirus-Induced Vasculitis And Efficacy Of Immune-Modulating Therapy In Mice.](#) *Atherosclerosis*. 287, e76, 0559
- Lucas A, **Yaron J**, Zhang L (2019). [Modifying Mouse Herpesvirus-Induced Vasculitis and Serpin Anti-Inflammatory Treatment-Profound Effects of the Gut Microbiota.](#) *The FASEB Journal*. 33(1\_supplement), 461.13
- 2018** Shah C, Moreb J, Kannampuzha J, **Yaron J**, Ambadapadi S, Yao J, Schultz-Cherry S, House M, Maranian P, Zhang L, Gong Y, Pepine C, Varsani A, Lucas A (2018). [Identification of Viral Gene Signatures in Cancer Patients With Reduced Ejection Fraction After Chemotherapy.](#) *Circulation*. 138(Suppl\_1), A15398
- Kwiecien J, Kwiecien-Delaney CJ, **Yaron J**, Schutz L, Wallace S, Zhang L, Dabrowski W, Lucas AR (2018). [Analysis of virus-derived immune modulating protein therapeutics infused subdurally in a rat model of spinal cord injury.](#) *Journal of Neurotrauma*. 35(16). A52
- Kwiecien J, Dabrowska-Bouta D, Marzec-Kotarska B, Oakden W, **Yaron J**, Kwiecien-Delaney CJ, Ostrowska A, Rola R, Klapac M, Stanisz G, Struzynska L, Dabrowski W, Lucas AR (2018). [Mechanisms in pathogenesis of the spinal cord injury in the rat model.](#) *Journal of Neurotrauma*. 35(16), A52
- Lucas A, **Yaron JR**, Ambadapadi S, Zhang L (2018). [Modulation of inflammatory vasculitis \(IVS\) and antiinflammatory treatment by the gut microbiota-a mouse herpesvirus IVS model.](#) *Cardiology*. 140, 257
- Lucas AR, Chen H, Ambadapadi S, **Yaron J**, Zhang L (2018). [Conditional Deletion of Heparan Sulfotransferase Enzyme, Ndst1, in Donor Endothelial Significantly Decreases Acute Allograft Rejection.](#) *Atherosclerosis Supplements*. 32, 109
- 2017** Ambadapadi S, Wakefield DN, Chen H, Bartee MY, Azadi P, Archer-Hartmann S, **Yaron JR**, Zheng D, Ergle KD, Zhang L, Borges CR, Croker BP, Rand KH, Esko JD, Clapp WL, Lucas A (2017). [Modulating Heparan Sulfation and Disaccharide Content Significantly Blocks Early Rejection in Mouse Renal Transplants.](#) *Circulation*. 136(S1), A18629



Ambadapadi S, **Yaron JR**, Mahon B, Thomas RM, Jobin C, Karst SM, Tibbetts SA, Keinan S, Varsani A, Zhang L, McFadden G, Lucas A (2017). [The Gut Microbiome Modulates Disease Progression and Anti-Inflammatory Treatment in Mouse Herpesvirus-Induced Vasculitis](#). *Circulation*. 136(S1), A18525.

Lucas A, Ambadapadi S, Mahon B, Thomas RM, Jobin C, Karst S, Tibbetts S, **Yaron JR**, Keinan S, Varsani A, McFadden G (2017). [Modified Myxomaviral Serpin Reactive Center Loop \(RCL\) Peptide Improves Survival and Outcomes in an Accelerated Lethal Mouse Inflammatory Vasculitic Syndrome Model](#). *Cardiology*. 137(S1), 126

**Yaron JR**, Khatua B, Patel K, Oliveira CD, Singh VP (2017). [The Extracellular Ca<sup>2+</sup> Provided by Ringer's Lactate but Not Lactate Reduces Necrosis and Improves Survival During Severe Acute Pancreatitis](#). *Gastroenterology*. 152(5S1), S893 doi:10.1016/S0016-5085(17)33049-4

El Kurdi B, **Yaron JR**, Masood S, Noel P, Patel K, Khatua B, Oliveira CD, Singh VP (2017). [Lipotoxicity May Result in Inflammatory Cell Death and Associated Immune Paralysis During Severe Acute Pancreatitis \(SAP\)](#). *Gastroenterology*. 152(5S1), S895. doi:10.1016/S0016-5085(17)33058-5

**2016 Yaron JR**, Patel K, Khatua B, Oliveira CD, Singh VP (2016). [Extracellular Ca<sup>2+</sup> Contributes to the Beneficial Effects of Lactated Ringer's During Acute Pancreatitis](#). *Pancreas*. 45.

- **Poster of Distinction**

**Yaron JR**, Singh G, Patel K, Trivedi RN, Oliveira CD, Singh VP (2016). [C-Src is Involved in Physiologic Zymogen Synthesis and Packaging Through the Golgi in Pancreatic Acinar Cells](#). *Pancreas*. 45.

- **Poster of Distinction**

Oliveira CD, Patel K, Mishra V, Trivedi RN, Bradley J, **Yaron JR**, Singh VP (2016). [Transgastric Therapeutic Pancreatic Hypothermia as a Novel Therapy for Acute Pancreatitis \(AP\)](#). *Pancreas*. 45.

Patel K, Khatua B, **Yaron JR**, Oliveira CD, Singh RJ, Papachristou GI, Yadav D, Lee K, Murad F, Singh VP (2016). [Bile Acids \(BA\) in Human Pancreatic Necrosis \(PN\) Worsen Acute Pancreatitis \(AP\) via a Non-Micellar Interaction with Fatty Acids \(FA\)](#). *Pancreas*. 45.

**2014 Yaron JR**, Pan J, Borkar T, Lee KB, Wang KC, Anderson CL, Glenn HL and Meldrum DR (2014). [Automated Cell Counting in a High Density, Polymer-Coated, Live Single Cell Sandwich Microarray](#). *Microscopy & Microanalysis*. 20(S3), 1438-1439

**Yaron JR**, Zhang L, Kong X, Ziegler CP, Su F, Gangaraju S, Tian Y, Glenn HL, and Meldrum DR (2014). [Real-time visualization of intracellular potassium dynamics in mouse macrophages during inflammasome-associated processes](#). *Molecular Biology of the Cell*. 25, P635

**2013 Yaron J**, Ziegler C, Tran T, Tian Y, Su F, Glenn HL, and Meldrum DR (2013). [Single cell temporal heterogeneity in caspase-1 activation in response to NLRP3 stimuli is independent of potassium ion efflux rate](#). *Molecular Biology of the Cell*. 24, 1543

## Book Chapters

**2018 Yaron, J.R.**, Ambadapadi, S., Zhang, L., Lucas, A., 2018. [Kinetic Measurement of Serpin Inhibitory Activity by Real-time Fluorogenic Biochemical Assay](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.65-71

Zhang, L., **Yaron, J.R.**, Ambadapadi, S., Lucas, A., 2018. [Viral Serpin Reactive Center Loop \(RCL\) Peptides: Design and Testing](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.133-142

Chen, H., Ambadapadi, S., Dai, E., Liu, L., **Yaron, J.R.**, Zhang, L., Lucas, A., 2018. [Analysis of In Vivo Serpin Functions in Models of Inflammatory Vascular Disease](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.157-182

Lucas, A., **Yaron J.R.**, Zhang, L., Macaulay, C., McFadden, G., 2018. [Serpins: Development for Therapeutic Applications](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.255-265

Lucas, A., **Yaron, J.R.**, Zhang, L., Ambadapadi, S., 2018. [Overview of Serpins and Their Roles in Biological Systems](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.1-7

Maldonado, J., **Yaron, J.R.**, Zhang, L., Lucas, A., 2018. [Next-Generation Sequencing Library Preparation for 16S rRNA Microbiome Analysis After Serpin Treatment](#). *SERPINS: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 1826. ISBN: 978-1-4939-8644-6, pp.213-221

## Oral Presentations

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- 2020 Mar 20** Arizona State University Biotechnology Advisory Board, Tempe, AZ, USA
- 2019 Sep 21** 9<sup>th</sup> International Symposium on SERPINS and Proteases in Health and Disease (SERPINS 2019), Seville, Spain
- 2019 Sep 13** Arizona State University Biotechnology Advisory Board, Phoenix AZ and Boston, MA, USA
- 2019 Jun 7** AZ Symposium on Virology, Immunology, Microbiomes and Infectious Disease, Phoenix, AZ, USA
- 2019 May 28** 87<sup>th</sup> European Atherosclerosis Society Congress, Maastricht, The Netherlands
- 2019 May 20** Barrow Neurological Institute, St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA
- 2019 May 10** Viromics Workshop, Ohio State University, Columbus, OH, USA
- 2019 Feb 1** Viroholics Seminar Series, Biodesign Institute at ASU, Tempe, AZ, USA
- 2019 Jan 14** 2<sup>nd</sup> Annual UA-ASU Virology Symposium, Tucson, AZ, USA
- 2018 Nov 8** American Society for Biochemistry and Molecular Biology ASU Chapter, Arizona State University, Tempe, AZ, USA
- 2018 Oct 15** Vascular Biology 2018, Newport, RI, USA
- 2018 Aug 21** ImageJ Technical Workshop, Biodesign Institute at ASU, Tempe, AZ, USA
- 2018 Jun 20** ASU Postdoc Research BLITZ, Arizona State University, Tempe, AZ, USA
- 2018 May 28** XXII International Poxvirus, Asfarvirus and Iridovirus Conference, Taipei, Taiwan
- 2018 Apr 13** Fusion 2018 Biodesign Scientific Retreat, Carefree, AZ, USA
- 2017 Mar 24** 8<sup>th</sup> International Symposium on SERPINS and Proteases in Health and Disease, Shanghai, China
- 2014 Dec 8** American Society for Cell Biology Meeting, Philadelphia, PA, USA