Jordan R. Yaron, Ph.D.

Assistant Research Professor

Current Address:
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Education

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 **Bachelor 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

Positions

2023 – Present **Assistant Research Professor**
Arizona State University, The Biodesign Institute
Center for Biomaterials Innovation and Translation

2020 – Present **Assistant Research Professor**
Arizona State University, Ira A. Fulton Schools of Engineering
School for Engineering of Matter, Transport and Energy

2020 **Assistant Research Professor**
Arizona State University, The Biodesign Institute
Virginia G. Piper Center for Personalized Diagnostics

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 John R. Delaney, PhD
Enlighten 2010 Expedition
R/V Thomas G. Thompson

2009 – 10 **Research Assistant** Advisor: Cody Youngbull, PhD
Arizona State University, The Biodesign Institute
Center for Ecogenomics

Academic Affiliations

2023 – Present **Biological Design Graduate Program**, *Co-Chair Privileges*

Teaching

2023 – Present **Departmental Seminar**

Spring 2023	*BDE 791*	Seminar (Biological Design)
Fall 2023	*BDE 791*	Seminar (Biological Design)
Spring 2024	*BDE 791*	Seminar (Biological Design)

2021 – Present **Individualized Research Advisor**
Arizona State University

Fall 2021	*BIO 495*	Undergraduate Research
Spring 2022	*NTR 590*	Reading and Conference
Fall 2022	*BIO 495*	Undergraduate Research
Fall 2022	*MBB 496*	Undergraduate Thesis
Spring 2023	*MBB 495*	Undergraduate Research
Spring 2023	*BIO 495*	Undergraduate Research
Fall 2023	*BIO 495*	Undergraduate Research
Spring 2024	*BIO 495*	Undergraduate Research
Spring 2024	*MBB 495*	Undergraduate Research

2018 – Present **Guest Lecturer**
Arizona State University

Fall 2018	*PHY 472*	Advanced Biophysics	Dr. Rizal Hariadi	6 enrolled
Fall 2019	*MIC 220*	Biology of Microorganisms	Dr. Efrem Lim	95 enrolled
Spring 2020	*CHE 494/598*	Nanobiotechnology	Dr. Sheba Goklany	12 enrolled
Spring 2021	*BDE 702*	Biological Design II	Dr. Kaushal Rege	10 enrolled
Spring 2021	*CHE 494/598*	Nanobiotechnology	Dr. Kaushal Rege	29 enrolled
Fall 2021	*BIO 503*	Bioimaging	Dr. Honor Glenn	4 enrolled
Spring 2022	*CHE 494/598*	Nanobiotechnology	Dr. Kaushal Rege	26 enrolled
Fall 2022	*BIO 503*	Bioimaging	Dr. Honor Glenn	5 enrolled
Fall 2022	*BDE 502*	Res. Methods in Bio. Design	Dr. Kaushal Rege	11 enrolled
Spring 2023	*BIO 598*	Innate Immunity	Dr. Yize (Henry) Li	10 enrolled
Fall 2023	*BIO 503*	Bioimaging	Dr. Honor Glenn	5 enrolled
Spring 2024	*BIO 598*	Innate Immunity	Dr. Yize (Henry) Li	10 enrolled
Spring 2024	*BDE 502*	Res. Methods in Bio. Design	Dr. Kaushal Rege	15 enrolled

2012 **Teaching Assistant**
Arizona State University, Graduate College

Spring 2012	*BDE 702*	*Biological Design II*	8 enrolled
Fall 2012	*BIO 610*	*Responsible Conduct in Research*	21 enrolled

2011 – 12 **Science Foundation Arizona Doctoral Teaching Fellow**
Arizona State University and Kyrene School District, Tempe, AZ

2011-12 Year	*K-12*	*ASU Citizen-Scientist Engineer Program*

2009 **Teaching Assistant**
Arizona State University, Barrett Honors College

Spring 2009	*HON 272*	*The Human Event*	20 enrolled

2008 **Instructor**
Arizona State University, Barrett Honors College

Summer 2008	*K-12*	*Barrett Summer Scholars*

Mentoring History

*Honors Thesis Committee* **&** *Masters Thesis Committee* **Ω** *PhD Dissertation Committee*

Years	Mentee	Current Position/Location
2010 – 12	Mr. Andrew Shabilla	Senior Process Development Engineer, Illumina, San Diego, CA
2010 – 12	**#** Ms. Colleen Ziegler	Director of Operations, bioSyntagma, Phoenix, AZ
2013	Ms. Garima Khanal, PA-C	Physician's Assistant Graduate, Northern Arizona University

2013 – 15	Dr. Mounica Rao, MD	Pediatric Cardiology Fellow, Texas Children's Hospital, Houston, TX
2014 – 15	Mr. Fred Lee	MD-PhD Candidate, University of Illinois College of Medicine
2015	Mr. Shubham Trivedi	AI Researcher, Mayo Clinic, Scottsdale, AZ
2016	Ms. Saara Khan	MD-MPH student, University of Miami, Miami, Fl
2017	Ms. Quinn Urbaniak-Dornstauder	Professional basketball player, Sosnowiec, Poland
2017 – 19	Ms. Mercedeh Javadi	Senior Epidemiologist, Arizona Department of Health
2018	Ms. Sarah Wallace, MBA	Private Business Owner, Arizona
2018 – 19	Dr. Savanah McMahon, MD	Pathology Resident, Yale University – New Haven Hospital
2019 – 20	Dr. Ayman Fath, MD	Cardiology Fellow, UT Health San Antonio
2019 – 20	Ms. Enkidia Awo	DO Student, Midwestern University, Arizona College of Osteopathic Medicine
2019 – 20	Dr. Michael Juby, DO	Flight Surgeon, United States Navy
2017 – 20	**&** Ms. Michelle Burgin, MS	Research Associate, Biocytogen, Wakefield, MA
2018 – 21	**#** Ms. Lauren Schutz	MD Student, University of Arizona College of Medicine, Phoenix, AZ
2019 – 22	Dr. Deepanjan Ghosh, PhD	Senior Research Engineer, 3M Corporation
2020	Dr. Roxana Beladi, DO	Neurosurgery Resident, Michigan State University
2020	Dr. Kyle Varkoly, DO	Cardiology Fellow, McLaren Flint, Flint, MI
2020 – 21	Ms. Antara Sira	MD Student, Carle Illinois College of Medicine, Urbana, IL
2020 – 21	Ms. May Nguyen	MS/PA student, Baylor College of Medicine, Houston, TX
2020 – 21	Ms. Jordan Roberts	Associate UX Writer, EdPlus at ASU, Tempe, AZ
2021	Ms. Jayda Hylton-Pelaia	Health Sciences PhD Student, Ontario Tech University, Oshawa, ON
2021	Mr. Michael Li	BS/MS student, Bioengineering
2021	Mr. Shrey Rathore	MS student, Bioengineering
2022 – 2023	Ms. Holly Gildar, MS	Clinical Laboratory Scientist, Tel Aviv, Israel
2022 – 2023	Mr. Dirghau Patel	MS Graduate, Bioengineering
2022 – 2023	Ms. Selin Bakkaloglu	BS/MS student, Electrical engineering
2022 – 2024	Ms. Sophia Macko	BS student, Biology
2022 – 2024	Ms. Samantha Rhodes	PhD student, Biological Design (NRT Fellow)
2023	**&** Mr. Revanth Wubhayavedantapuram	MS student, Chemical Engineering
2023 – Present	Ms. Solenne Norvor-Davis	BS student, Biomedical engineering / SURI program
2023	Mr. Shreevadsaa Mohanakrishnan	International (India) visiting summer intern, SURI Program
2023 – Present	Mr. Farhan Babour	BS student, Biological Sciences (Neurobiology)
2023 – Present	Ω Mr. Shubham Pallod	PhD student, Biological Design
2023 – Present	Ms. Carina Sandhu	BS student, Biological Sciences (Biomedical Sciences)

Awards & Recognition

2023 **Arizona Biomedical Research Centre New Investigator Award**
Competitive new investigator award to fund promising early-stage scientists in Arizona.

2022 **Wound Healing Foundation 3M Fellowship Award**
The Fellowship is the most prestigious young investigator fellowship grant that is offered by the Wound Healing Foundation. Competitively awarded to one early-stage investigator annually.

2021 **NIH/NIBIB K01 Mentored Research Scientist Development Award**
The Mentored Research Scientist Development Award (K01) provides support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor, leading to research independence. The NIBIB awarded two K01 awards in 2021.

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

Service

Parentheses indicate upcoming service commitments.

(2024)	NIH Small Business: Musculoskeletal, Orthopedic, Oral, Dermatology and Rheumatology Study Section (March 25-26, 2024)
(2024)	Session Moderator: "Wound Inflammation" – WHS2024 Meeting, with Prof. Luisa DiPietro
2024	Abstract and Awards Reviewer, WHS2024 Meeting
2024	*Frontiers in Cell and Developmental Biology* – Associate Guest Editor *"Anti-Cancer and Anti-Ageing: What Can We Learn from the Superstar Naked Mole-Rat?"*
2023 – Present	*Frontiers in Immunology* and *Frontiers in Cell and Developmental Biology* – Review Editor
2023	WHF 3M Fellowship Reviewer
2024 – Present	*Wound Healing Society* – Member, Awards Committee
2022 – Present	*Wound Healing Society* Young Awards Interview Moderator
2022	NIH MOSAIC K99 Study Section (November 16-17, 2022)
2022 – Present	Co-organizer, *Biological Design* Departmental Seminar Series
2021 – Present	*Biological Design Graduate Program Graduate & Alumni Affairs Committee,* Member
2021 – Present	Faculty Judge, SW Biomaterials Day hosted by Arizona State University
2021	NIH ACTS Study Section, Early Career Reviewer member (June 22-23, 2021)
2021 – Present	*Wound Healing Society* – Member, Communications Committee
2022	Co-Chair, 10th Int'l. Symposium on SERPINs & Proteases in Health & Disease, Virtual
2021	Planner/Workshop Instructor, 2021 AIMS Annual Meeting, Arizona Imaging & Microanalysis Society
2020 – Present	*Pharmaceutics* – journal Editorial Board member as Topic Editor
2020	Invited Speaker, Smile on Seniors of Arizona
2019	Grand Awards Judge, Intel International Science & Engineering Fair
2019	Chair, Biodesign Postdoc Career Club
2018 – Present	Expert Consultant, Bioscience Imaging Core, The Biodesign Institute, Arizona State University
2017	Invited Speaker, Science with a Twist, Arizona Science Center
2016	Bioscience Panelist, Phoenix Fanfest
2014	Invited Speaker, Science Cafe at MACH, Phoenix Central Library
2014 – Present	Ambassador to Arizona State University, American Society for Cell Biology
2014, -16, -17	Bioscience Panelist, Phoenix ComiCon
2014	Career Fair Visitor, Tavan Elementary School
2014	Arizona Regionals Judge, Arizona Science and Engineering Fair
2014	Arizona Regionals Judge, FIRST Robotics Competition
2013 – 20	Committee for Postdocs and Students (COMPASS), American Society for Cell Biology
2012 – 15, 2017 – Present	Volunteer, ASU/Biodesign Night of the Open Door
2011	Judge, Foothills Elementary School Science Fair
2009 – 15, 2017 – 20	Biodesign Lab Liaison, The Biodesign Institute at Arizona State University

Ad hoc Peer Reviewer
28 journals

- *Cell Death and Disease*
- *Cellular Physiology & Biochemistry*
- *Histology and Histopathology*
- *Genes*
- *PLoS ONE*
- *Cell Biology and Toxicology*
- *Pancreatology*
- *Gut*
- *International Journal of Molecular Sciences*
- *Frontiers in Cardiovascular Medicine*
- *Bioengineered*
- *Antibiotics*
- *FASEB Journal*
- *Cancer Management and Research*
- *Diagnostics*
- *Biomedicines*
- *Tissue and Cell*
- *Frontiers in Immunology*
- *Cells*
- *Pharmaceuticals*
- *Vaccines*
- *Pharmaceutics*
- *Medical Sciences*
- *Bioengineering and Translational Medicine*
- *Applied Sciences*
- *Molecules*
- *Journal of Clinical Medicine*
- *Frontiers in Medicine*

Qual. Exam Committee	Shubham Pallod	Biological Design PhD	Committee Member	2023
	Ting-Yun Wang	Biological Design PhD	Committee Member	2024

Professional Societies (Alphabetical)

American Society for Cell Biology	*Full Member* *ASU Ambassador (2013-2023)*
Arizona Imaging and Microanalysis Society	*Board Member*
Microscopy Society of America	*Full Member*
Society for Leukocyte Biology	*Full Member*
Wound Healing Society	*Full Member* *Communications Committee Member* *Awarded Committee Member*

Grant Support

Awarded: $748,954*

Active **HistaHeal: A novel bioactive dressing for diabetic wounds**

Identifier: 23-06536
Role: ***Principal Investigator***
Sponsor: Flinn Foundation
Project period: 05/11/2023 to 12/30/2024
Total direct costs: $100,000

Active **Fundamental and Translational Investigations of an Epidermal Serpin in Diabetic Wounds**

Identifier: RFGA2022-010-03
Role: ***Principal Investigator***
Sponsor: Arizona Biomedical Research Centre
Project period: 01/04/2023 to 01/04/2026
Total direct costs: $225,000

Active **Inflammasome-modulating Polymeric Biomaterials to Augment Tissue Repair**

Identifier: 1K01EB031984 (K01 mechanism)
Role: ***Principal Investigator***
Sponsor: National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Project period: 09/10/2021 to 06/30/2024
Total direct costs: $308,954.00

Completed **Tattoos for Endoscopic Imaging – *Selected for Ongoing Funding (Pending Details)**

Identifier: 22-06447
Role: Co-Investigator (PI: Dr. Kaushal Rege)
Sponsor: Flinn Foundation
Project period: 04/01/2022 to 09/30/2023
Total direct costs: $100,000.00

Completed **Regulation of Wound Healing by an Epidermal Serpin**

Identifier: ASU Internal FP00027730 (Society Award)
Role: ***Principal Investigator***
Sponsor: Wound Healing Foundation
Project period: 07/01/2022 to 06/30/2023
Total direct costs: $15,000.00

Patents (11 total; 8 filed, 3 issued)

Issued **Aliquot Tray** *(3 patents)*
Co-inventors: Jordan R. Yaron, Jeff Houkal
2015-06-16 USD732187 (cited as prior art in 33 patents)
2019-01-08 USD838004 (cited as prior art in 7 patents)
2019-02-26 USD84183 (cited as prior art in 4 patents)

Filed **Methods of Wound Healing with Serp-1 Polypeptides**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Liqiang Zhang, Grant McFadden
2018-05-18 US Application No. 62/673,386
2019-05-17 PCT Application No. PCT/US19/32997

2020-04-10 *Exclusive Option – Serpass Biologics*
2020-10-30 PCT Nationalized No. 17/056,401

Filed **Serine Proteinase Inhibitors: SERP-1 and SERP-1 RCL-Derived Peptide Effect on Microbiome Composition and Uses Thereof**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Efrem Lim
2019-01-14 US Application No. 62/792,201
2020-01-13 **PCT** Application No. PCT/US20/13398, **EPO** Application No. 20741165.3, **China** Application No. 2020800173841, **Hong Kong** Application No. 62022049986.2
2020-04-10 *Exclusive Option – Serpass Biologics*
2021-06-28 PCT Nationalized No. 17/422,718

Filed **Methods of Modulating Inflammation Associated with Spinal Cord Injury**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Liqiang Zhang, Jacek M. Kwiecien
2019-02-21 US Application No. 62/808,707

Filed **New Composition of Immunomodulating Serpin, Serp-1**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Liqiang Zhang, John W. Wallen III, Qiuyun Guo
2020-04-29 US Application No. 63/017,598
2020-04-20 *Exclusive Option – Serpass Biologics*
2021-04-26 PCT Application No. PCT/US21/29235

Filed **Formulation for Wound Healing**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Liqiang Zhang
2020-10-15 US Application No. 63/092,330
2020-04-10 *Exclusive Option – Serpass Biologics*
2021-10-13 PCT Application No. PCT/US21/54834

Filed **Composite Ink Formulations for Endoscopic Imaging**
Co-inventors: Jordan R. Yaron, Kaushal Rege, Rahul Pannala, Subhadeep Dutta
2021-10-11 US Application No. 63/254,523

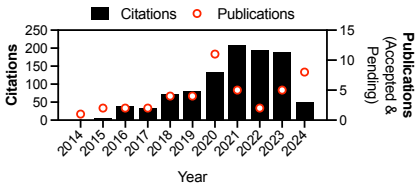
Filed **Formulation for Wound Healing**
Co-inventors: Jordan R. Yaron, Kaushal Rege
2022-03-10 US Application No. 63/318,722

Filed **PEGylated Serp-1 Protein Treatment Improves Outcomes After SARS-CoV-2 Infection**
Co-inventors: Jordan R. Yaron, Alexandra Lucas, Liqiang Zhang, Grant McFadden, Brenda G. Hogue, Karen Kibler, Yize Li
2022-03-11 US Application No. 63/319,217

Publications

Publication Stats:	
Published	40
Accepted	0
In Revision	1
In Preparation	4

Citation Stats:	
Citations	999
h-index	17
i10-index	25



2024 Gosangi M, Sant H, Singh V, **Yaron JR**, Pannala R, Rege K. Tissue Adhesive Tattoo (TAT2) Inks for Endoscopic Imaging. **In Preparation.**

Abedin MR, Pallod S, Singh BV, Chowdhury T, Mehta J, Wubhayavedantapuram R, Daggett-Vondras J, Lowe K, Kilbourne J, **Yaron JR**, Rege K. Unmethylated Plasmid DNA Vector Improves Acute and Diabetic Dermal Wound Healing. **In Preparation**.

Yaron JR*, Gildar H, Hylton-Pelaia J, Roberts J, Kilbourne J, Rege K. Serpinb3a is a wound-respondive mediator of re-epithelialization. **In Preparation**. (*Co/Corresponding Author)

Yaron JR, Pallod S, Grigaitis N, Rhodes S, Patel DM, Ghosh D, Rege K. Selective Agonism of Histamine Receptors Augments Tissue Repair by Laser-Activated Sealants. **In Preparation**.

Yaron JR*, Bakkaloglu S, Macko S, Rhodes S, Norvor-Davis S, Rege K. Inflammasome Modulation with P2X7 Inhibitor A438079-loaded Dressings for Diabetic Wound Healing. *Frontiers in Immunology*. 15, 1340405 (*Co/Corresponding Author)

Ghosh D†, **Yaron JR**†, Abedin MR, Godeshala S, Kumar S, Kilbourne J, Berthiaume F, Rege K. Bioactive Nanomaterials Kickstart Early Repair Processes and Potentiate Temporally Modulated Healing of Healthy and Diabetic Wounds. *Biomaterials*. 306, 122496 (†Equal Contributions)

Pallod S, Olvera RA, Ghosh D, Rai L, Brimo S, DeCambra W, Singh V, Abedin MR, Chang N, Yarger JL, Lee JK, Kilbourne K, **Yaron JR**, Haydel SE, Rege K. Skin Repair and Infection Control in Immunodeficient and Diabetic, Obese Mice Using Bioactive Laser-Activated Sealants. *Biomaterials*. **In Revision**.

Yaron JR*, Gosangi M, Pallod S, Rege K*. *In situ* Light-activated Materials for Skin Wound Healing and Repair: A Narrative Review. *Bioengineering & Translational Medicine*. e10637 (*Co/Corresponding Author)

2023 Inamdar S, Suresh AP, Mangal JL, Ng ND, Sundem A, Behbahani HS, Rubino Jr TE, **Yaron JR**, Khodaei T, Green M, Curtis M, Acharya AP (2023). Succinate in the tumor microenvironment affects tumor growth and modulates tumor associated macrophages. *Biomaterials*. 301. 122292

Inamdar S, Suresh AP, Mangal JL, Ng ND, Sundem A, Wu C, Lintecum K, Thumsi A, Khodaei T, Halim M, Appel N, Jaggarapu MMCS, Esrafili A, **Yaron JR**, Curtis M, Acharya AP (2023). Rescue of dendritic cells from glycolysis inhibition improves cancer immunotherapy in mice. *Nature Communications*. 14(1), 5333.

Inamdar S, Suresh AP, Mangal JL, Ng ND, Sundem A, Behbahani HS, Rubino Jr TE, Shi X, Loa ST, **Yaron JR**, Hitosugi T, Green M, Gu H, Curtis M, Acharya AP (2023). Succinate based polymers drive immunometabolism in dendritic cells to generate cancer immunotherapy. *Journal of Controlled Release*. 358, 541-554.

Jaggarapu MMCS, Ghosh D, Johnston T, **Yaron JR**, Mangal JL, Inamdar S, Gosangi M, Rege, K, Acharya AP (2023). Alpha-ketoglutaric acid based polymeric particles for cutaneous wound healing. *Journal of Biomedical Materials Research Part A*. 1-7.

Ghosh D, Salinas CM, Pallod S, Roberts J, Makin IRS, **Yaron JR**, Witte RS, Rege K (2022). Temporal evaluation of efficacy and quality of tissue repair upon laser-activated sealing. *Bioengineering & Translational Medicine*. 8(2). e10412

2022 Zanetti IR, Burgin M, Zhang L, Yeh S, Ambadapadi S, Kilbourne J, **Yaron J**, Lowe KM, Daggett-Vondras J, Fonseca D, Boyd R, Wakefield D, Clapp W, Lim E, Chen H, Lucas A (2022). Virus-derived Chemokine Modulating Protein Pre-treatment Blocks Chemokine-Glycosaminoglycan Interactions and Significantly Reduces Transplant Immune Damage. *Pathogens*. 11(5), 588.

Varkoly K, Tan S, Beladi R, Fonseca D, Zanetti IR, Kraberger S, Shah C, **Yaron JR**, Zhang L, Juby L, Fath AR, Ambadapadi S, House M, Maranian P, Pepine C, Varsani A, Moreb J, Schutlz-Cherry S, Lucas AR (2022). RNA Virus Gene Signatures Detected in Patients with Cardiomyopathy after Chemotherapy. *Frontiers in Cardiovascular Medicine*. 9, 821162

2021 Ju B, Guo O, Benissan-Messan DZ, Shawver MH, Chen P, Geng B, Wei S, **Yaron JR**, Lucas AR, Hua Z (2021). Serp-1 Promotes Corneal Wound Healing by Facilitating Re-epithelialization and Inhibiting Fibrosis and Angiogenesis. *Frontiers in Cardiovascular Medicine*. 8, 649124

Yaron JR, Zhang L, Guo Q, Haydel SE, Lucas AR (2021). Fibrinolytic Serine Proteases, Therapeutic Serpins and Inflammation: Fire Dancers and Firestorms. *Frontiers in Cardiovascular Medicine*. 8, 648947

Beladi RN†, Varkoly KS†, Schutz L†, Zhang L, **Yaron JR**, Guo Q, Burgin M, Hogue I, Tierney W, Dabrowski W, Lucas AR (2021). Serine Proteases and Chemokines in Neurotrauma; New Targets for Immune Modulating Therapeutics in Spinal Cord Injury. *Current Neuropharmacology*. 19(11):1835-1854. (†Equal Contributions)

Guo Q, **Yaron JR**, Wallen III JW, Browder KF, Boyd R, Olson TL, Burgin M, Ulrich P, Aliskevich E, Schutz LN, Fromme P, Zhang L, Lucas A (2021). PEGylated Serp-1 Markedly Reduces Pristane-Induced Experimental Diffuse Alveolar Hemorrhage, Altering uPAR Distribution, and Macrophage Invasion. *Frontiers in Cardiovascular Medicine*. 8, 633212

Khatua B, El Kurdi B, Patel K, Rood C, Noel P, Crowell M, **Yaron J**, Kostenko S, Guerra A, Faigel DO, Lowe M, Singh VP (2021). Adipose saturation reduces lipotoxic systemic inflammation and explains the obesity paradox. *Science Advances*. 7(5) eabd6449

2020 **Yaron JR**†, Zhang L†, Guo Q, Awo EA, Burgin M, Schutz LN, Zhang N, Kilbourne J, Daggett-Vondras J, Lowe KM, Lucas AR (2020). Recombinant Myxoma virus-derived immune modulator M-T7 accelerates cutaneous wound healing and improves tissue remodeling. *Pharmaceutics*. 12(11), 1003. (†Equal Contributions)

Fath AR, Aglan A, Platt J, **Yaron JR**, Varkoly KS, Beladi R, Gorgas D, Jean JT, Dasni P, Eldaly AS, Jupy M, Lucas AR (2020). Chronological Impact of Earthquakes on Blood Pressure: A Literature Review and Retrospective Study of Hypertension in Haiti before and after the 2010 Earthquake. *Frontiers in Public Health*. 8, 600157

Kwiecien JM, Dabrowski W, Kwiecien-Delaney BJ, Kwiecien-Delaney CJ, Siwicka-Gieroba D, **Yaron JR**, Zhang L, Delaney KH, Lucas AR (2020). Neuroprotective effect of subdural infusion of Serp-1 in spinal cord trauma. *Biomedicines*. 8(10), 372.

Kwiecien JM, Dabrowski W, **Yaron JR**, Zhang L, Delaney KH, Lucas AR (2020). The Role of Astrogliosis in Formation of the Syrinx in Spinal Cord Injury. *Current Neuropharmacology*. 19(2), 972.

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†, Zhang L†, **Yaron JR**†, 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†, Zhang L†, Guo Q, Burgin M, Schutz L, Awo E, Wise L, Krause KL, Ildefonso CJ, Kwiecien JM, Juby M, Rahman MM, Chen H, Moyer RW, Alcami 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, Stanisz 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†, Ambadapadi S†, 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

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2023 Zanetti IR, Zhang L, Burgin M, Kilbourne J, **Yaron JR**, Fonseca D, Lucas AR (2023). Mouse Models of Renal Allograft Transplant Rejection: Methods to Investigate Chemokine–GAG Interaction and Therapeutic Blockade. *Chemokine-Glycosaminoglycan Interactions (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 2597. ISBN: 978-1-0716-2835-5, pp. 39-58

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Yaron JR, Zhang L, Burgin M, Schutz LN, Awo EA, Keinan S, McFadden G, Ampadapadi S, Guo Q, Chen H, Lucas AR (2020). Deriving Immune-Modulating peptides from Viral Serine Protease Inhibiors (Serpins). *Viruses as Therapeutics: Methods and Protocols (Methods in Molecular Biology)*. SpringerNature/Humana Press, Vol. 2225. ISBN: 978-1-0716-1011-4, pp. 107-123

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2018 **Yaron JR**, 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

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Lucas A, **Yaron JR**, 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

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Oral Presentations (25 total)

Parentheses indicate upcoming presentation commitments.

(2024 May)	Wound Healing Society Annual Meeting, Orlando, FL, USA
2023 Apr	***Invited –*** Wound Healing Society Annual Meeting, National Harbor, MD, USA
2022 Nov	American Institute for Chemical Engineers (AIChE) Annual Meeting, Phoenix, AZ, USA
2022 May	Society for Thermal Biology 2022 Meeting, Virtual
2022 Apr	Wound Healing Society 2022 Annual Meeting, Phoenix, Tempe, AZ, USA
2022 Apr	***Invited –*** Biological Design Seminar Series, Virtual
2021 Sep	***Invited –*** School for Biological and Health Systems Engineering Seminar Series, Tempe, AZ, USA
2021 Aug	***Invited –*** Microscopy & Microanalysis, Annual Meeting, Virtual
2021 Mar	ImageJ Technical Workshop, Arizona Imaging & Microanalysis Society Meeting, Tempe, AZ, USA
2020 Mar	***Invited –*** Arizona State University Biotechnology Advisory Board, Tempe, AZ, USA
2019 Sep	9th Intl. Symposium on SERPINs & Proteases in Health & Disease (SERPINS 2019), Seville, Spain
2019 Sep	***Invited –*** Arizona State University Biotechnology Advisory Board, Phoenix AZ and Boston, MA, USA
2019 Jun	AZ Symposium on Virology, Immunology, Microbiomes and Infectious Disease, Phoenix, AZ, USA
2019 May	87th European Atherosclerosis Society Congress, Maastricht, The Netherlands
2019 May	Barrow Neurological Institute, St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA
2019 May	Viromics Workshop, Ohio State University, Columbus, OH, USA
2019 Feb	Viroholics Seminar Series, Biodesign Institute at ASU, Tempe, AZ, USA
2019 Jan	2nd Annual UA-ASU Virology Symposium, Tucson, AZ, USA
2018 Nov	American Society for Biochemistry & Molecular Biology ASU Chapter, Tempe, AZ, USA
2018 Oct	Vascular Biology 2018, Newport, RI, USA
2018 Aug	ImageJ Technical Workshop, Biodesign Institute at ASU, Tempe, AZ, USA
2018 Jun	ASU Postdoc Research BLITZ, Arizona State University, Tempe, AZ, USA
2018 May	XXII International Poxvirus, Asfarvirus and Iridovirus Conference, Taipei, Taiwan
2018 Apr	Fusion 2018 Biodesign Scientific Retreat, Carefree, AZ, USA
2017 Mar	8th International Symposium on SERPINs and Proteases in Health and Disease, Shanghai, China
2014 Dec	American Society for Cell Biology Meeting, Philadelphia, PA, USA

Media Coverage

2022 Mar 22 ***An improved ink for colon tattoos***
ACS: https://www.acs.org/content/acs/en/pressroom/newsreleases/2022/march/improved-ink-for-colon-tattoos.html

2022 Mar 10/ 2022 Mar 14 ***When time doesn't heal all wounds***
ASU: https://news.asu.edu/20220314-when-time-doesnt-heal-all-wounds
Fulton Schools: https://fullcircle.asu.edu/features/when-time-doesnt-heal-all-wounds/
ASU Senate: https://usenate.asu.edu/when-time-doesnt-heal-all-wounds

2021 Aug 3 ***Master of the immune system: Myxoma virus could solve long-standing medical conundrums***
ASU Biodesign: https://biodesign.asu.edu/news/master-immune-system-myxoma-virus-could-solve-long-standing-medical-conundrums