Student Name: John Wagner  
Student’s College: College of Veterinary Medicine  
Graduation Year: 2017  
Advisor’s Name: Dominique Griffon  
Advisor’s College: College of Veterinary Medicine  
Source of Funding: Intramural Scholarship  
Project Name: Conditioned fetal-adnexa derived stem cells for tendon healing  
Author List: Dominique Griffon, Jane Cho, Jie Wei, John Wagner, Chandru Charavaryamath, Amy Wagoner-Johnston.
Student Name: Anna Parfenova  
Student’s College: College of Optometry  
Graduation Year: 2017  
Advisor’s Name: Dr. Pinakin Davey, OD, PhD, FAAO  
Advisor’s College: College of Optometry  
Source of Funding: NIH sub contract with UC Riverside  
Project Name: Evaluation and comparison of contrast sensitivity functions in healthy and disease eyes  
Author List: Dr. Pinakin Davey, OD, PhD, FAAO, Anna Parfenova, BS

Student Name: Devin Morris, Naji Muwanas, Shelby Anderson, John Daliva, Igal Tarash  
Student’s College: College of Osteopathic Medicine  
Graduation Year: 2017  
Advisor’s Name: Dr. Vishwanath Venketaraman  
Advisor’s College: College of Osteopathic Medicine, Department of Basic Medical Sciences  
Source of Funding: Medical Student Summer Scholar Award  
Project Name: Complement Receptor 3 Expression in Individuals with Type 2 Diabetes  
Author List: Devin Morris, Naji Muwanas, Shelby Anderson, John, Daliva, Igal Tarash

Student Name: Ilana Galex  
Student’s College: College of Veterinary Medicine  
Graduation Year: 2017  
Advisor’s Name: Hrvoje Smodlaka  
Advisor’s College: College of Veterinary Medicine  
Source of Funding: Intramural funding, Western University of Health Sciences  
Project Name: Vibrissae as a Special Sensory Adaptation for Deep Sea Diving in the Northern Elephant Seal (*Mirounga angustirostris*)  
Author List: Ilana Galex MS, Hrvoje Smodlaka DVM, PhD, Wael Khamas BVM&S, MS, PhD

Student Name: Spencer Onishi  
Student’s College: College of Osteopathic Medicine  
Graduation Year: 2015  
Advisor’s Name: Dr. Ron Gallemore  
Advisor’s College: Ophthalmology  
Source of Funding: None  
Project Name: Microperimetry and Multi-focal ERG Changes in Response to Ranibizumab Treatment of Neovascular AMD: Randomized Phase 2 Open-Label Study  
Author List: Spencer M. Onishi, BS, Shari Kuroyama, Ron Gallemore, MD, PhD, David Nguyen BS, Calvin Chou BS
<table>
<thead>
<tr>
<th>Student Name</th>
<th>Jessica Brown</th>
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<td>Advisor’s Name</td>
<td>Gagandeep Kaur DVM, PhD</td>
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<td>Source of Funding</td>
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<tr>
<td>Project Name</td>
<td>Behavioral Indications cited by small animal veterinarians for the use of fluoxetine</td>
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<tr>
<td>Author List</td>
<td>Jessica K. Brown, B.S.; Victoria Voith, DVM, PhD, DACVB; Gagandeep Kaur, DVM, PhD.</td>
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<tr>
<th>Student Name</th>
<th>Christine N. Pham and Alla Avetisyan.</th>
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<td>Advisor’s Name</td>
<td>Yun Lyna Luo, PhD.</td>
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<tr>
<td>Advisor’s College</td>
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<td>Project Name</td>
<td>Design specific inhibitor for calpain-2 protein to enhance long-term memory formation</td>
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<tr>
<td>Author List</td>
<td>Yun Lyna Luo, PhD., Christine N. Pham, Alla Avetisyan.</td>
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<tr>
<th>Student Name</th>
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<td>Dr Maria Fahie</td>
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<td>Small Animal Surgery</td>
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<td>Project Name</td>
<td>In Vitro Biomechanical Testing of the Tube Knot</td>
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<tr>
<td>Author List</td>
<td>Stephany Chang BS, Maria Fahie DVM, MS, DACVS</td>
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<tr>
<th>Student Name</th>
<th>Katherine Ha</th>
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<td>Source of Funding</td>
<td>NIH Subcontract with UC Riverside</td>
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<td>Project Name</td>
<td>Perceptual learning studies in glaucoma</td>
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<tr>
<td>Author List</td>
<td>Katherine Ha BA, Pinakin Davey OD, PhD, FAAO</td>
</tr>
</tbody>
</table>
Student Name: Chad Easthouse
Student College: College of Veterinary Medicine
Graduation Year: 2017
Advisor’s Name: Dr. Wael Khamas
Advisor’s College: College of Veterinary Medicine
Source of Funding: Intramural grant, Western University of Health Sciences
Project Name: Functional and histological study of the structures and blood vessels which contribute to thermoregulation in the male genital system of pinnipeds
Authors List: Chad Easthouse: Wael Khamas: Hrvoje Smolka: Lauren Palmer

Student Name: Andrew A. McGee
Student’s College: College of Veterinary Medicine
Graduation Year: 2016
Advisor’s Name: Margaret C. Barr
Advisor’s College: College of Veterinary Medicine
Source of Funding: Merial Animal Health
Project Name: Characterization of Rickettsia felis unique ompB gene variant found in southern California
Author List: Andrew A. McGee, Andrea L. Wournell and Margaret C. Barr

Student Name: Hiromi Takano
Student's College: College of Osteopathic Medicine
Graduation Year: 2017
Advisor's Name: Dr. Airani Sathananthan
Advisor's College: Department of Internal Medicine
Source of Funding: Summer Research Fellowship Program
Project Name: A Pomona Community Pilot Study: Assessment of Dietary Knowledge in Self-Reported Diabetic versus Self-Reported Non-Diabetic Individuals
Author List: Hiromi Takano BS, Airani Sathananthan MD, Cesar Ochoa PhD, Raynold Yin PharmD, Robert Warren DO, Melanie Barbee RD

Student Name: Marlene Gobrial and Monica Gobrial
Student’s College: College of Osteopathic Medicine
Graduation Year: 2017
Advisor’s Name: Dr. Edward Barnes, Dr. Jarrod Shapiro
Advisor’s College: College of Osteopathic Medicine, College of Podiatric Medicine
Source of Funding: Student Summer Research Grant
Project Name: Albuminuria as a Predictor of Foot Ulcer Development
Author List: Marlene Gobrial OMS II, Monica Gobrial OMS II, Edward Barnes MD, FACP, Jarrod Shapiro DPM, FACFAS, Cesar Ochoa PhD
Student Name: Melanie Sailor
Student’s College: College of Veterinary Medicine
Graduation Year: 2017
Advisor’s Name: Dr. Gagandeep Kaur
Advisor’s College: College of Veterinary Medicine
Source of Funding: Morris Animal Foundation
Project Name: Identification of arginine vasopressin producing neurons in amygdala of male and female dogs.
Author List: Melanie Sailor, Hannah Mirrashed, Wael Khamas, and Gagandeep Kaur

Student Name: Nam Pham
Student’s College: College of Osteopathic Medicine
Graduation Year: 2017
Advisor’s Name: Dr. Beatrici Saviola
Advisor’s College: Western University of Health Sciences, Basic Medical Sciences-Microbiology
Source of Funding: Pott’s Foundation
Project Name: Overexpression of Rv3488 in M. smegmatis to Assess Growth Inhibition
Author List: Nam Pham BS, Beatrice Saviola, PhD

Student Name: Kevin Barber and Christian Blauvelt
Student’s College: College of Veterinary Medicine
Graduation Year: 2016
Advisor’s Name: Dr. Tom Phillips
Advisor’s College: College of Veterinary Medicine
Source of Funding: Student Intramural Grant and WesternU Research and Biotechnology grant.
Project Name: 3D Printing Surgical Tools for Veterinary Training
Author List: Kevin Barber BS, Christian Blauvelt BS, and Tom Phillips DVM, PHD

Student Name: Katie Choi
Student’s College: College of Pharmacy
Graduation Year: 2016
Advisor’s Name: Dr. Cynthia Jackevicius
Advisor’s College: College of Pharmacy
Project Name: Evaluation of Low-Cost Generic Drug Programs on Use of Evidence-Based Cardiovascular Drugs at the Population-Level
Author List: Katie Choi BS, Cynthia Jackevicius PharmD
**Student Name:** Ho-Hyun (Brian) Sun and Grant McClendon  
**Student’s College:** College of Dental Medicine  
**Graduation Year:** 2017 (HBS), 2015 (GM)  
**Advisor’s Name:** Dr. Jeffrey Elo and Dr. Hardev Singh  
**Advisor’s College:** College of Dental Medicine  
**Source of Funding:** 2014 Summer Student Research Fellowship  
**Project Name:** Effectiveness of different instructional modalities for oral surgery technique among novice dental students  
**Author List:** Grant McClendon; Ho-Hyun (Brian) Sun, MS; Hardev Singh, DMD; Jeffrey Elo, DDS, MS. (GM and HBS have contributed equally to this project)

**Student Name:** Jessica Lin and Kevin Ragothaman  
**Student’s College:** College of Podiatric Medicine  
**Graduation Year:** 2016  
**Advisor’s Name:** Dr. David Shofler  
**Advisor’s College:** College of Podiatric Medicine  
**Source of Funding:** Undecided  
**Project Name:** The use of Denosumab in the Management of Acute Charcot Neuroarthropathy: A Proposed Pilot Study  
**Author List:** Jessica Lin BS, Kevin Ragothaman BS, David Shofler DPM

**Student Name:** Tomomi Kurita  
**Student’s College:** PharmD2017  
**Graduation Year:** 2017  
**Advisor’s Name:** Dr. Bradley T. Andresen, Dr. Yun (Lyna) Luo  
**Advisor’s College:** College of Pharmacy, Pharmaceutical Science Department  
**Source of Funding:**  
**Project Name:** Identification of the angiotensin receptor blocker Binding Pocket on human angiotensin II type 1 receptors  
**Author List:** Tomomi Kurita, Temy Nguyen Taylor, Yun Luo, Bradley T. Andresen

**Student Name:** Eileen Downs  
**Student’s College:** Michigan State University College of Veterinary Medicine  
**Graduation Year:** 2017  
**Advisor’s Name:** Dr. Kristopher Irizarry  
**Advisor’s College:** Western University of Health Sciences College of Veterinary Medicine  
**Source of Funding:** This research was supported by a grant from United States Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA) (Project Number: CALR-2008-00875). Financial support for this student was provided by the Merial Veterinary Scholars Program.  
**Project Name:** Comparison of gene expression patterns in avian monocytes and
THANK YOU AND GOOD WORK!

We would like to thank all students who submitted an abstract for STARS. Unfortunately, due to time constraints and the number of students funded this year, we cannot accommodate a presentation for everyone. However, we sincerely appreciate the participation of all students who submitted their work and have, therefore, included their abstracts below. We encourage everyone to show their support for these students by taking a few minutes to look at the great work that has been accomplished!

Student Name: Bhumika Parekh  
Student’s College: College of Pharmacy  
Graduation Year: 2017  
Advisor’s Name: Dr. Kabir Lutfy  
Advisor's College: Pharmacy  
Source of Funding:  
Project Name:  
Author List:  

Student Name: Nicky Gazy  
Student’s College: COMP  
Graduation Year: 2017  
Advisor’s Name: Dr. Li Zhong / Dr. James Martin  
Advisor’s College: COMP  
Source of Funding: Summer Research Fellowship – Western University of Health Sciences  
Project Name: Investigating the efficacy of herbal extracts on down-regulation of TLR2, and inflammatory cytokines (IL-1a, IL-8, and TNFα) associated with the formation of comedonal acne and psoriatic lesions.  
Author List: Nicky Gazy, OMSII, Hao Li, MS, Xuefei Zhang, MS, Li Zhong, PhD
Student Name: Jordan Crafton  
Student’s College: College of Podiatric Medicine  
Graduation Year: 2017  
Advisor’s Name: Dr. David Shofler  
Advisor’s College: College of Podiatric Medicine and Surgery  
Source of Funding: Medical Student Summer Scholar Award  
Project Name: Ankle Arthroplasty vs. Ankle Arthrodesis or Impairments of the Talocural joint. A Systematic Review of the Literature  
Author List: Jordan Crafton, BS.

Name: Kristina Lau, MLAS  
College: College of Veterinary Medicine  
Graduation Year: Class of 2016  
Advisor Name: Dr. Yiling Hong  
Advisor College: College of Veterinary Medicine  
Source of Funding: NIH, Intramural  
Project Name: Chemical Reprogramming of Human Somatic Cells into Induced Pluripotent Stem Cells  
Authors List: Kristina Lau, MLAS, Jane Cho, PhD., Yiling Hong, PhD.

Student Name: Riddhi Shah  
Student’s College: College of Podiatric Medicine  
Graduation Year: 2017  
Advisor’s Name: Dr. Diane Koshimune, Dr. Kathleen Satterfield  
Advisor’s College: College of Podiatric Medicine  
Source of Funding: Medical Student Summer Scholar Award  
Project Name: Impact of Recorded Lecture vs Live Lecture on Class Rank  
Author List: Riddhi Shah BS, Dr. Diane Koshimune, Dr. Kathleen Satterfield

Student Name: Michael Couse  
Student’s College: College of Osteopathic Medicine  
Graduation Year: 2017  
Advisor’s Name: Dr. Holden Maecker  
Advisor’s College: Institute for Immunity, Transplantation, and Infection, Stanford University  
Source of Funding: Medical Student Summer Scholar Award  
Project Name: Validation and application of a mass cytometry assay comparing Chronic Fatigue Syndrome patients and controls  
Author List: Michael Couse, Rosemary Fernandez, Holden Maecker
**Student Name:** Nicole Chavarry  
**Student’s College:** Veterinary Medicine  
**Graduation Year:** 2016  
**Advisor’s Name:** Dr. Peggy Schmidt  
**Advisor’s College:** Veterinary Medicine  
**Source of Funding:** Intramural College Resources  
**Project Name:** Creating a Preceptor Development Program in Veterinary Medical Education: Step One - Needs Assessment  
**Author List:** Nicole Chavarry (VM2), Paul Gordon-Ross, Peggy Schmidt

**Student Name:** Laura Poindexter  
**Student’s College:** College of Podiatric Medicine  
**Graduation Year:** 2017  
**Advisor’s Name:** Diane Koshimune  
**Advisor’s College:** College of Podiatric Medicine  
**Source of Funding:** Western University Summer Research Fellowship  
**Project Name:** Prevalence of Foot Injuries among Backpackers  
**Author List:** Laura Poindexter, BS

**Student Name:** Mark Battles  
**Student’s College:** CVM-WU  
**Graduation Year:** 2016  
**Advisor’s Name:** Dr. Ohad Levi DVM  
**Advisor’s College:** CVM-WU  
**Source of Funding:** Western University  
**Project Name:** Comparison of Short-term versus Long-term Video Game Training Programs to Enhance Basic Laparoscopic Skills of Veterinary Medical Students  
**Author List:** Mark Battles (DVM 2016); Peggy Schmidt DVM, MS, DACVPM; DACVS; Dominique Griffon DVM, MS, PhD, DECVS, DACVS, Maria Fahie DVM, MS; Ohad Levi DVM

**Student Name:** Yacki Hayashi  
**Student’s College:** COMP-NW  
**Graduation Year:** 2017  
**Advisor’s Name:** Paolo C. Colombo, MD  
**Advisor’s College:** Columbia University College of Physicians and Surgeons  
**Source of Funding:** NIH and Summer Research Fellowship  
**Project Name:** Acute Venous Congestion Enhances Vasoconstriction, Inflammation, Oxidative Stress and Endothelial Activation in Compensated Ambulatory Patients with Systolic Heart Failure on Stable Medical Regimen  
**Author List:** Yacki Hayashi MA, Duygu Onat PhD, Ka Yuk Wong BA, Serge Cremers PharmD PhD, Ante Harxhi MD, Myra Ahmad BA, Ryan T. Demmer PhD, Paolo C. Colombo MD
Student Name: William Lee  
Student's College: College of Osteopathic Medicine  
Graduation Year: 2017  
Advisor’s Name: Dr. Robert Pechnick and Dr. Tuerxun Ailikem  
Advisor’s College: Pharmacology  
Source of Funding: Medical Student Summer Scholar Award  
Project Name: Effects of Cancer Treatments on Hippocampal Neurogenesis and Behavior

Student Name: Naomi Chow  
Student’s College: College of Veterinary Medicine  
Graduation Year: 2017  
Advisor’s Names: Dr. Faramarzi, Dr. Khamas  
Advisor’s College: College of Veterinary Medicine  
Source of Funding: Western University of Health Sciences Intramural Grant  
Project Name: Histological properties of the equine digital cushion  
Author List: Naomi Chow, BS; Babak Faramarzi, DVM, CVA, MSc, PhD; Wael Khamas, BVM&S, MS, PhD

Student Name: Michelle Rhiner  
Student’s College: College of Graduate Nursing: Doctor of Nursing Practice  
Graduation Year: 2015  
Advisor’s Name: Rodney Hicks, PhD., APRN, FAANP, FAAN  
Advisor’s College: College of Graduate Nursing  
Source of Funding: CGN Student Summer Scholar Award  
Project Name: Palliative Care Integration into Medical Education: Addressing the Need  
Author List: Michelle Rhiner, Rodney Hicks, PhD., APRN, FAANP, FAAN, Jan Boller, PhD., RN

Student Name: Meng-Ju Du, Dee Dee Hui, Bonnie Le  
Student’s College: College of Dental Medicine  
Graduation Year: 2017  
Advisor’s Name: Bradley Henson and Jill Lewis  
Advisor’s College: College of Dental Medicine  
Source of Funding: CDM funds  
Project Name: Evaluation of a novel combined therapy for head and neck cancer  
Author List: M-J Du, D.D. Hui, B. Le, C. Guerra, Z. Tumur, J. Lewis, and B. Henson
<table>
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<tr>
<th>Student Name</th>
<th>Barbara Huggins</th>
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<tr>
<td>Student’s College</td>
<td>College of Graduate Nursing</td>
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<td>Project Name</td>
<td>Medical hospitalization of patients with comorbid mental and medical illnesses; The effects of additional education among nurses</td>
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| Student Name:       | Michael Katiraie            |
| Student’s College:  | College of Osteopathic Medicine of the Pacific |
| Graduation Year:    | 2017                        |
| Advisor’s Name:     | Dr. Christian K. Roberts    |
| Advisor’s College:  | University of California Los Angeles |
| Source of Funding:  | Tobacco-Related Disease Research Program |
| Project Name:       | The effects of smoking on redox properties of HDL in young adults |
| Author List:        | Michael Katiraie BS, Christian K. Roberts PhD |

STARS would not be possible without the dedication and support of Dr. Steve Henriksen, Dr. Tom Phillips, Susan Dominguez, Andrea Wournell and Omar Alvarado.