I. PUBLICATIONS

A. Journal Publications


B. Books or Chapters
C. Proceedings

II. PAPERS, ABSTRACTS, AND/OR PRESENTATIONS

A. Regional and National

Gill PS, Ozment TR, Williams DL. Training the innate immune system upregulates myeloid derived suppressor cells (MDSCS) in polymicrobial sepsis. Poster presented to 42nd Annual Conference on Shock, June 8-11, 2019, Coronado, CA.

Grey EC, Burns B. A Comparison between Pediatric and Adult Patients Transported to a Rural Trauma Center by Helicopter. Oral presentation given at Academic Surgical Congress, February 4-7, 2019, Houston, TX.


Kruppa M, Williams DL. The Emerging Fungal Pathogen Candida auris Contains Cell Wall Mannans That Exhibit Unique Structural Features Not Found in Other Fungi. Abstract accepted for poster presentation at the International Conference on Emerging Infectious Diseases, Atlanta, GA, August 24-30, 2018.

Kruppa M, Lowman D, Graves B, Rice P, Ma Z, Jiao YN, Meis JF, Netea MG, Williams DL. Candida auris mannans are recognized with lower affinity by ahDectin-2 and rhMR than mannans derived from other Candida species. Abstract presented as poster at the Gordon Research Conferences, January 13-18, 2019, Galveston, TX.
Ozment T. Neutrophils from septic patients show lower express of Dectin-1 and increased expression of TLR2. Poster presented to the 42nd Annual Conference on Shock, June 8-11, 2019, Coronado, CA.

Proctor B, Taylor M, Quinn M, Burns B. An alarming rate of substance use in motor vehicle collision patients. Oral presentation given at Academic Surgical Congress, February 5-7, 2019, Houston, TX.


Wang Y, Gill SP, Tu F, Fan M, Yang K, Ha T, Liu L, Kalbfleisch J, Williams D, Li C. Endothelial-specific HSPA12B plays an important role in regulating the phenotype and function of macrophages following hypoxic challenge. Poster presented to the 42nd Annual Conference on Shock, June 8-11, 2019, Coronado, CA.

B. International

III. INVITED PRESENTATIONS

A. Grand Rounds

B. National or International Meetings

Williams, DL. Invited Speaker at Brown University.

IV. OTHER

National and International Peer-review Committees

Li, C. NIH SAT Review Session for Cardiovascular Differentiation & Development

Journal Reviewers:

Williams DL.
Li C.
Browder IW.

V. VISITING PROFESSORS

IV. OTHER
## VI EXTRAMURAL FUNDING

Peer Review (NIH, AHA, etc.)

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Agency</th>
<th>Project Period</th>
<th>Current Year Award</th>
<th>Total Award</th>
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<tr>
<td>Li &amp; Wms</td>
<td>NIH-R01</td>
<td>9/1/18-5/31/19</td>
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<td>Ozment</td>
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<td>Kleinman</td>
<td>BrightFocus</td>
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### Total Funding Received

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<td>Williams</td>
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<td>Williams</td>
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<td>$470,900 (DC)</td>
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### Total for Multi-Year Commitments

1. R01GM083016-09 – Competing Renewal of “Innate Immunity and Cardiovascular Function in Sepsis” 9/1/18 – 5/31/22.
2. R01 – Training Innate Immunity: A new approach to the treatment of sepsis, Year 4 of 4
3. R01 – Role of Toll-Like Receptor Signaling in Cardiac Ischemia, Year 1 of 4
4. R01 – Cellular and Molecular Mechanisms of Fungal Sepsis in the Critically Ill Patient, Year 3 of 5
5. BrightFocus – Dysregulation of the Acetylome in Age-Related Macular Degeneration
6. NIH-EY028206 – The Role of Histone Deacetylases in Age-related Macular Degeneration

### Other Sponsored Activities – Current (Chair of Carroll Long, RDC, etc.)
### VII PENDING EXTRAMURAL APPLICATIONS

(Means proposed but unfunded.)

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1. Competing Renewal of “Role of Toll-Like Receptor Signaling in Cardiac Ischemia”
2. Upgrade of 400 MHz NMR Spectrometer with high performance digital console and cryoprobe-S10 Proposal.
3. Novel Role of Lactate for Cardiovascular dysfunction in sepsis
4. Development of a Vaccine for the Prevention and/or Treatment of the Emerging Fungal Pathogen Candida auris