Mission: Through discovery, education and service, the BMS faculty strive to be leaders in their areas of scholarship. Using interdisciplinary approaches, BMS faculty perform hypothesis-driven investigations to reveal mechanisms that underlie biological processes and human disease and collaborate with clinical researchers to facilitate the development of novel diagnostics, therapies and preventive measures. BMS faculty are also engaged in medical and graduate education by developing, delivering and assessing curricula, and conduct educational scholarship.

Paul E. Boehmer, PhD
Chair and Professor
Basic Medical Sciences

Department of
Basic Medical Sciences
Highlights 2018

Publications – High profile publications by the BMS faculty in 2018 include the following:


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4/4/19
Publications Continued:


Grants:

- *Taben Hale, PhD,* associate professor, awarded a $393,493 grant from the National Institutes of Health (NIH) to further her research in reducing the risk of heart failure in patients with high blood pressure, “Identifying a Pathogenic Fibroblast Subpopulation to Target for Protection Against Cardiac Fibrosis”. *Dr. Hale recognized that to slow the progression to heart failure, researchers needed to find the subpopulation of fibroblasts that may be responsible for the excess scar tissue.*

- *Peter Jurutka, PhD,* research professor, awarded a three-year grant from the CART Foundation for proposal on Alzheimer’s disease (AD) drug design, “Identifying Novel Rexinoids that Enhance ApoE Expression and Promote Amyloid-beta Clearance”. *This work will further develop novel drug analogs, one of which already is effective in stimulating a protein with major positive impact on AD. The CART provides funds for cutting edge research to cure AD, and in 2018 awarded 5 grants (from 60 peer-reviewed applications) to researchers at UCLA, Harvard, Salk Institute, University of Minnesota, and ASU/UA.*

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Presentations:


Honors:

- **Rebecca Fisher, PhD**, associate professor, received the award for Educator of the Year from the UA College of Medicine – Phoenix Class of 2021.

Other:

- **Amelia Gallitano, MD, PhD**, associate professor and head of the Gallitano Laboratory, edited a special journal issue of *Frontiers in Behavioral Neuroscience* entitled "The Role of Immediate Early Genes in Neuropsychiatric Illness". This Research Topic includes 11 articles contributed by a total of 50 authors. It is expected to be issued as an e-book in 2019. [https://www.frontiersin.org/research-topics/4906/the-role-of-immediate-early-genes-in-neuropsychiatric-illness](https://www.frontiersin.org/research-topics/4906/the-role-of-immediate-early-genes-in-neuropsychiatric-illness)

- In total, the Department hosted thirty scientific presentations as part of the annual Basic Medical Sciences Seminar Series.

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