

What's New with BB

(Dec. 1, 2019 through Feb. 7, 2020)

Dear BB Community,

I want to continue the tradition of informing the BB community of new proposals submitted, grants funded, new publications, and any other reminders worth noting.



Before this I want to welcome a newcomer to the BB community, Faye Wren Dalton, born to Lauren and Lane on January 20th. Congratulations Lauren (and Lane!).

Important dates:

- *Growing a Culture of Dialogue*: Fri, Feb 14@3-5
- *PubTrivia Feb 24*
- 2020 USSI Summit, March 5th, 8a-5p, MU
- Grad recruiting 1: March 6th
- Grad recruiting 2: March 13th
- Rotation talks, Fri March 20th

Opportunities:

- Feb 14: **“Growing a Culture of Dialogue: Skills for Listening, Learning, and Collaborating”** and workshop. All faculty, staff, and grad students are encouraged to attend!
“This interactive workshop cultivates listening skills through didactic and small group exercises. Participants will work together to establish shared knowledge, skills, and values for intergroup communication and collaboration. In so doing, participants will build relationships, practice dialogue, and prepare for pressing institutional and disciplinary diversity, equity, and inclusion challenges. Participants will explore foundational concepts for critical dialogic practices, explore multiple listening skills frameworks and practices listening and share with care, vulnerability, humility, and generosity.”
- The Food Drive is also in full swing. I encourage you among other activities to start forming teams to participate in PubTrivia event, which is happening along with the Silent Auction, here on campus in the MU Ballroom on Feb 24th!



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- **Shauna Otto** will be speaking at the Grad Inspire event on March 3rd at the Memorial Union Ballroom. This is a unique event combining scholarship communication with personal narrative. Grad Inspire introduces the phenomenal breadth of research, teaching, and discovery undertaken by graduate students at Oregon State. Students will share their stories live on stage in an 8- to 10-minute format. Shauna has been extremely active in many facets of department life. Next week, she is also leading the graduate recruitment at the Education & Career Opportunities Fair at the Biophysical Society 64th Annual Meeting in San Diego.

Submitted Proposals:

- **Christopher Beaudry** with Victor Hsu as collaborator for \$1.8 M over 5 years to work on "Cascade Reactions for Biologically Active Natural Products" R01 PA19-056
- **Alvaro Estevez** as PI collaborating with Maca Franco is submitting to the Natl Inst of Arthritis & Musculoskeletal & Skin Diseases a \$1.01M 3 year proposal on "Nitrated Hsp90 in Sjogren's Syndrome." It is an R61/R33 proposal in answer to an RFP entitled "Research Innovations for Scientific Knowledge (RISK) for Skin and Rheumatic Diseases"
- **Colin Johnson** is submitting to the NSF a proposal for \$450K over 3-years to study "Characterization of the function of ferlin proteins in membrane trafficking."
- **Ryan Mehl** as PI with Rick Cooley, Kari van Zee, Joe Beckman and Andy Karplus as collaborators submitting a 5-year, \$6.43M P41 Center proposal to NIGMS Title: "The GCE4All Center: Unleashing the Potential of Genetic Code Expansion for Biomedical Research"
- **Ryan Mehl** submitted a proposal to the NSF for \$750K in funding over 5 years for a subcontract as part of the University of Florida proposal for an "NSF Science & Technology Center for Molecular Chimera Design."
- **Ryan Mehl** submitted a proposal to the NSF for \$1.2M in funding over 5 years to study "Ideal eukaryotic tetrazine bioorthogonal ligations."

Grants Awarded (that I am aware of):

- **Elisar Barbar** was awarded 18K from NSF over 1 year as a REU supplement for her proposal on Structural basis of phosphorylation and alternative splicing in Dynein Regulation.

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Publications

December 2019

From the **Beckman** group:

Trias E, Kovacs M, King P.H, Si Y, Kwon Y, Varela V, Ibarburu S, Moura I.C, Hermine O, Beckman J.S, and Barbeito L. (2019). [Schwann cells orchestrate peripheral nerve inflammation through the expression of CSF1, IL-34, and SCF in amyotrophic lateral sclerosis.](#) *Glia*. Dec 20: doi: 10.1002/glia.23768. [Epub ahead of print].

From the **Gombart** group:

Shaw J.B, Liu W, Vasil Ev. Y.V, Bracken C.C, Malhan N, Guthals A, Beckman J.S, and Voinov V.G. (2019). [Direct Determination of Antibody Chain Pairing by Top-down and Middle-down Mass Spectrometry Using Electron Capture Dissociation and Ultraviolet Photodissociation.](#) *Analytical Chem*. Dec 12: doi: 10.1021/acs.analchem.9b03129. [Epub ahead of print].

From the **Mehl** group:

Porter J.J, Jang H.S, Haque M.M, Stuehr D.J, and Mehl R.A. (2019). [Tyrosine Nitration on Calmodulin Enhances calcium-dependent association and activation of Nitric Oxide Synthase.](#) *J Biol Chem*. Dec 30. pii: jbc.RA119.010999. doi: 10.1074/jbc.RA119.010999. [Epub ahead of print].

January 2020

From the **Gombart** group:

Gombart A.F, Pierre A, Maggini S. (2020). [A Review of Micronutrients and the Immune System-Working in Harmony to Reduce the Risk of Infection.](#) *Nutrients*. Jan 16;12(1). pii: E236. doi: 10.3390/nu12010236.

From the **Hendrix** group:

Zhang Z, Garzotto M, Davis E.W 2nd, Mori M, Stoller W.A, Farris P.E, Wong C.P, Beaver L.M, Thomas G.V, Williams D.E, Dashwood R.H, Hendrix D.A, Ho E, and Shannon J. (2020). [Sulforaphane Bioavailability and Chemopreventive Activity in Men Presenting for Biopsy of the Prostate Gland: A Randomized Controlled Trial.](#) *Nutr Cancer*. 2020;72(1):74-87. doi: 10.1080/01635581.2019.1619783. Epub 2019 Jun 1.

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Fun Tidbits:

Featured on the front page of the A & E in the Gazette times last week was none other than our own Dan Breysse in a lead role in **Terry Pratchett's** play '**Guards! Guards.** Not pictured below and also a star of the show is Elise van Fossen. It is wonderful to see that our graduates end up somewhere!



If you want to see Dan and Elise in person, the show is still on at the **Majestic Theatre** at 7:30 p.m. on Feb. 7 & 8; or 2:30 p.m. on Feb. 9.

*Thanks for reading this far! We will catch up again in two months!!
Till then*

Elisar