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| 2022 Joint RetreatCedar Creek ResortSeptember 15-16Department of Cell Biology and Physiology Molecular Cell Biology ProgramWashington University School of Medicine | Thursday, September 15th 10:00 AM – 12:00 PM Speaker Session One *(Event Barn)*12:00 – 1:30 PM Lunch & Check-In *(Town Hall/Saloon)* 1:30 – 2:45 PM Poster Session One *(Event Barn)* 2:45 – 4:30 PM Break4:30 – 6:00 PM Cocktails *(Town Hall)*6:00 – 7:00 PM Dinner *(Event Barn)* 7:00 – 8:00 PM Faculty Lightning Talks *(Event Barn)* 8:00 – 9:00 PM Faculty Posters *(Event Barn)* 9:00 – 11:00 PM Trivia & Smores *(Western Town)*Friday, September 16th8:00 – 8:45 AM Breakfast *(Town Hall)* 8:45 – 9:00 AMGroup Photo *(Event Barn)* 9:00 – 11:00 AM Speaker Session Two *(Event Barn)* 11:00 AM – 12:00 PM Poster Session Two & Awards *(Event Barn)* 12:00 – 3:00 PM Box Lunches & Breakouts *(Cedars Meeting Room)* 3:00 PM Check-Out  |

Faculty Lightning Talks

Moderator: Douglas Faget (CBP – Stewart Lab)

* Clair Crewe (CBP)
* Abby Green (MCB)
* Ghazal Ashrafi (CBP)
* Tao Che (MCB)
* Slavica Pavlovic-Djuranovic (CBP)
* Yoon-A Kang (MCB)
* Dave Pagliarini (CBP)
* Tony Tsai (MCB)

Faculty Poster Presenters

* Rajendra Apte (MCB)
* Luis Batista (MCB)
* Kendall Blumer (CBP)
* Jaehyung (Gus) Cho (MCB)
* Clair Crewe (CBP)
* Sergej Djuranovic (CBP)
* Roberta Faccio (MCB)
* Andreas Herrlich (MCB)
* Silvia Jansen (CBP)
* David Kast (CBP)
* Sun Joo Lee (CBP)
* Ben Major (CBP)
* Dave Piston (CBP)
* Maria Remedi (MCB)
* Sheila Stewart (CBP)
* Amber Stratman (CBP)
* Zhongsheng You (CBP)

Poster Presenters

 Session One Session Two

* Javier Abello (Stratman Lab)
* Darby Agovino (Batista Lab)
* Abigail Bartlett (Pagliarini Lab)
* Ankan Bhadra (True Lab)
* Esmeralda Castleblanco (Remedi Lab)
* Julius Chembo (Major Lab)
* Chen Cheng (You Lab)
* Samantha Chin (Jansen Lab)
* Jason Colasanti (Apte Lab)
* Ariella Coler-Reilly (Civitelli Lab)
* Sarah Colijn (Stratman Lab)
* Sanchari Datta (Pagliarini Lab)
* Caroline Fecher (Pagliarini Lab)
* Patrick Forny (Pagliarini Lab)
* Rachel Guerra (Pagliarini Lab)
* Victoria Ismail (Kast Lab)
* Dymonn Johnson (Stratman Lab)
* Courtney Jungers (Djuranovic Lab)
* Nathaniel York (Nichols Lab)
* Kyle LaPak (Major Lab)
* Hannah Lynn (Gordon Lab)
* Taylor Malachowski (Stewart Lab)
* Jonathan Mount (Yuan Lab)
* Dave Pagliarini (Pagliarini Lab)
* Sumit Patel (Remedi Lab)
* Qihao Ren (Stewart Lab)
* Sean Rogers (Pagliarini Lab)
* Marion Stunault (Ashrafi Lab)
* Ke Tan (You Lab)
* Tyson Todd (Blumer Lab)
* Xue Wen Ng (Piston Lab)
* Zheng Yang (You Lab)
* Jennifer Ye (Stewart Lab)
* Emily Wilkerson Zarbock (Major Lab)
* Jian Gao (Nichols Lab)
* Dhaval Bhatt (Major Lab)
* Danielle Kemper (Djuranovic Lab)
* Douglas Faget (Stewart Lab)

Speaker Session One

Moderators: Kyle LaPak (CBP - Major Lab), Carolyn Lazaroff (MCB)

10:00 – 10:15 AM

Anupama Tiwari (Ashrafi Lab): The role of mitochondrial sirtuin 3 in the metabolic plasticity of synaptic transmission

10:15 – 10:30 AM

Juhee Son (Ding Lab): Inactivated rotavirus causes diarrhea through interferon-λ signaling in the intestinal epithelium

10:30 – 10:45 AM

Courtney Jungers (Djuranovic Lab): Cell specific contribution of AU-rich elements on microRNA-mediated gene repression

10:45 – 11:00 AM

Emily Eul (Faccio Lab): Bone-derived Dickkopf-related protein 1 supports hematopoietic stem cells during tumor progression

11:00 – 11:15 AM

Victoria Ismail (Kast Lab): The NTPase activity of the double FYVE domain containing protein 1 (DFCP1) regulates lipid droplet metabolism

11:15 – 11:30 AM

Brian Egan (Kornfeld Lab): *ACN-1*, the nematode homolog of the angiotensin-converting enzyme, regulates aging in *Caenorhabditis elegans*

11:30 – 11:45 AM

Nathan Wamsley (Major Lab): Improved targeted proteomics of MRF2 signaling and prognostic biomarkers in HNSCC

11:45 – 12:00 PM

Marcos Matamoross (Nichols Lab): Selectivity filter dynamics in a potassium selective and non-selective channels

Speaker Session Two

Moderators: Andrew Smith (CBP - Pagliarini Lab), Kyle Cotter (MCB)

9:00 – 9:15 AM

Zakery Baker (Pagliarini Lab): Multi-omic analyses of mitochondrial stress reveals a novel RNA binding protein involved in maintaining organellar function

9:15 – 9:30 AM

Jeongmin Lee (Piston Lab): The potential beneficial effect of brown adipocyte secreted factors on type 1 diabetes mellitus

9:30 – 9:45 AM

Qihao Ren (Stewart Lab): Investigating the intrinsic and extrinsic factors regulating breast cancer dormancy

9:45 – 10:00 AM

Taylor Malachowski (Stewart Lab): A role for senescence in chemotherapy induced neuropathy

10:00 – 10:15 AM

Dymonn Johnson (Stratman Lab): Regulation of endocytic trafficking and VEGFR2 receptor availability by a component of the microtubule motor dynein

10:15 – 10:30 AM

Lingzhen Kong (You Lab): TCAF1 controls TRPV2-mediated Ca2+ release from the ER for the protection of stressed DNA replication forks

10:30 – 10:45 AM

Sarah Koester (Dougherty Lab): Understanding the regulation of local translation in astrocytes

10:45 – 11:00 AM

Hannah Lynn (Gordon Lab): Development of microbiota directed complementary foods for treating childhood malnutrition