

MCDB Retreat. October 12-14th 2007. Beaver Run Resort, Breckenridge.

Friday October 12th 2007.

Friday Afternoon Arrival

Dinner. 6 to 7:20 PM.

Session I - The Devolutionaries. 7:20 to 8:50 PM. Chair: Chris English.

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| Bill Wood | A simple model for establishment of handed left-right asymmetry in <i>C. elegans</i> embryos |
| Bob Boswell | Something about germline development |
| Mike Klimkowsky | Conserved and novel elements in vertebrate germ layer specification |
| Brad Olwin | Bulking up for everyone |
| 10' break | |

Session II - Three Young Centrodogmatics. 9:00 to 10 PM. Chair: Nathan Gomes.

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| Mary Allen (Blumenthal) | <i>C. elegans</i> /operons; when you simply can't stop. |
| Sandy Clements (Lykke-Andersen) | Regulation of human mRNA turnover by the p38 MPA kinase pathway |
| Vinod Sridharan (Singh) | Unexpected mechanism for the function of <i>S. pombe</i> U2AF in 3' splice site recognition |

Posters A to H and drinks. 10 PM to whenever.

Saturday October 13th 2007.

Breakfast. 7 to 9 AM.

Session III - A Mixed Bag. 9 to 10:20 AM. Chair: Dan Nickerson.

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| Mingxue Cui (Han) | Epigenetic regulation in <i>C. elegans</i> |
| Cecilia Riquelme (Leinwand) | Algo sobre el corazon |
| Brian Dedecker | Epigenetic control of Notch signaling |
| Jessica Gorski (Jones) | Genes regulated by BDNF as possible modulators of synapse function |
| 10' break | |

Session IV - People with Bugs. 10:30 to 11:50 AM. Chair: Kristin Garcia.

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| Sean Yu McLoughlin (Copley) | Catalytic promiscuity and molecular evolution: challenging the prevailing theory |
| Corrie Detweiler | A mammalian niche for a bacterial pathogen |
| Jeffrey Walker (Gold) | Toward a molecular system for assessing watershed ecosystem health |
| Norm Pace | 2 min of RNase P and the latest on bacterial phylogeny |

Lunch. 12 to 2 PM.

Break til 4 PM.

Posters I to Z. 4 to 6 PM.

Dinner. 6 to 7:30 PM.

Session V - Three Great Cell Biologists and Tom Perkins. 7:30 to 8:50 PM. Chair: Andrew Troy.

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| Dick McIntosh | Protein polymerization and depolymerization: the oldest motor has the newest face |
| Andy Hoenger | High-resolution cryo-tomography of cellular structures |
| Matt Russell (Odorizzi) | How do tethers influence MVB function? |
| Allison Churnside (Perkins) | An ultrastable AFM for structural biology |
| 10' break | |

Session VI - Two Beauties and a Beast. 9:00 to 10 PM. Chair: Caleb Ritcher.

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| Natasha Chumachenko (Yarus) | Taking it easy with RNA aminoacylation |
| Jenny Knight | Does interactive group work affect the way undergraduate students learn biology? |
| Ken Krauter | The Molecular Genetics of Drug Dependence in Humans |

Social Hour with Drinks: 10 PM onwards.

Sunday October 14th 2007.

Breakfast. 7 to 9 AM.

Session VII - Four More Great Cell Biologists. 9 to 10:20 AM. Chair: Stacy Erickson.

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| Chandra Kilburn (Winey) | Study of centrosome structure and duplication in three different organisms |
| Chris Arthur (Stowell) | Synaptic vesicles and recycling at the small synapse of the brain |
| Gia Voeltz | How an organelle is shaped |
| Pablo Castello (Poyton) | Role of mitochondria in hypoxic signaling |
| 10' break | |

Session VIII - A Cancerous Theme. 10:30 to 11:50 AM. Chair: Emilie Seamen.

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| Xing Geng (Xue) | Regulation of apoptosis in <i>C. elegans</i> by a novel cell death inhibitor |
| Ryan Takeshita (Martin) | Keep your spit to yourself |
| Amber Bilak (Su) | Su lab overview |
| Joaquin Espinosa | Histones are cool |

Done