

September 2023 - May 2024

Date	Speaker	Lab	Title of talk
Monday, September 18, 2023			
	Brian Vassallo	Kim/Fischer Lab – Harvard	“Bacteria Are a Major Determinant of Orsay Virus Transmission and Infection in <i>Caenorhabditis elegans</i> ” Grace Swaim
	Grace Swaim	Yogev Lab - Yale	“The membrane periodic cytoskeleton restricts actomyosin to maintain microtubule distribution”
	Sudheesh Allikka Parambil	van Wolfswinkel Lab – Yale	“SMEDWI-1, the guardian PIWI of planarian stem cells”
Date	Speaker	Lab	Title of talk
Monday, November 20, 2023			
	Woojung Heo	Yemini Lab – UMass Chan	“The CCAAT-box transcription factor NF-Y complex mediates neuronal specification in <i>C. elegans</i> ” Emily Spaulding
	Emily Spaulding	Updike Lab – MDI Biol. Lab	“Studying RG/RGG repeat function in the <i>C. elegans</i> germline”
	Arcadia Kratkiewicz	van Wolfswinkel Lab – Yale	“A unique chromatin organization to maintain stem cells in <i>S. mediterranea</i> ”
Date	Speaker	Lab	Title of talk
Monday, January 22, 2024			
	Samantha Tse	Pukkila-Worley Lab – UMass Chan	“Pathogen effector-triggered aggregation of TIR-1/SARM1 on lysosome-related organelles activates intestinal immunity”
	Christina Campagna	Nechipurenko Lab – WPI	“The G protein alpha Chaperone and Guanine-Nucleotide Exchange Factor RIC-8 Regulates Cilia Morphogenesis in Sensory Neurons”
	Carlos Giovanni Silva García	Silva García Lab – Brown Univ	“Mechanisms of Aging”
Date	Speaker	Lab	Title of talk
Monday, March 18, 2024			
	Deepshi Ananthaswamy	T. Lee Lab - UMass Lowell	“Investigating how the NuRD chromatin remodeler affects germline DSB repair in <i>C. elegans</i> ”
	Nolan Tucker	Horvitz Lab – MIT	“The Pro-Apoptotic Function of CED-9 Requires a CED-9-CED-4 Interaction”
	Alexander Lin-Moore	Hart Lab - Brown Univ	“Neuron type-specific degeneration occurs through distinct mechanisms in a <i>C. elegans</i> model of SOD1 ALS”
Date	Speaker	Lab	Title of talk
Monday, May 20, 2024			

	Dennis Kim	Kim and Fischer Labs at Boston Children's Hospital and Harvard Medical	"Neuronal daf-7 Expression and Behavioral State"
	Reyyan Bulut	Ambros Lab - UMass Chan	"Heterochronic CSD protein LIN-66 is involved in the microRNA pathway"
	Christopher Morrow	Mair Lab – Harvard T.H. Chan School of Public Health	"Endogenous mitochondrial NAD(P)H fluorescence predicts remaining lifespan"

BAWM September 2022-May 2023

Date	Speaker	Lab	Title of talk
Wednesday, September 28, 2022			
	Wendy Fung	Max Heiman Lab - Harvard	"A sex-specific switch in glial gene expression patterns the apical extracellular matrix"
	Eric Greer	E. Greer Lab - Harvard	"Intergenerational Hormesis Regulation by Heritable 18S rRNA Methylation"
	Ian McLachlan	Flavell Lab - MIT	"Diverse states and stimuli tune olfactory receptor expression levels to modulate food-seeking behavior"
	Oliver Glomb	Yogev Lab - Yale	"Assembly of the axonal spectrin lattice requires bimodal slow axonal transport"
Date	Speaker	Lab	Title of talk
Wednesday, November 16, 2022			
	Samuel Chung	S. Chung Lab - Northeastern)	"Toward a platform for precise and high-throughput imaging and laser surgery: recent progress in overcoming crucial barriers"
	Christopher Hammell	C. Hammell Lab – Cold Spring Harbor Laboratory	"A circadian-like gene network regulates heterochronic miRNA transcription in C. elegans"
	Andrew Stanford Chang	C. Gabel Lab – Boston University	"Measuring information content in the C. elegans nervous system: anesthesia and emergence"
	Amy Walker	A. Walker Lab - UMCMS	"Stimulation of immunity-linked genes by membrane disruption is linked to Golgi function and the ARF-1 GTPase"
Date	Speaker	Lab	Title of talk
Wedensday, January 25, 2023			
	Ji Na Kong	H. R. Horvitz Lab - MIT	"Cell-type-specific Reprogramming by the EGL-9/HIF-1 Hypoxia Response Pathway Modulates Muscle Function in C. elegans"
	Talya Kramer	S.W. Flavell Lab - MIT	"RIM neurons integrate sensory and motor signals to modulate chemotaxis strategy"
	Shivani Nanda	M. Walhout Lab – UMCMS	"Systems-level transcriptional regulation of Caenorhabditis elegans metabolism"
Date	Speaker	Lab	Title of talk
Wedensday, March 22, 2023			

	Om Patange	G. Ruvkun Lab - Harvard	"The growth rate of <i>C. elegans</i> is modulated by the Actinobacteria in its microbiome via sulfur metabolism"
	Latika Matai	F. Slack Lab - Harvard	"The conserved microRNA-229 family controls low-insulin signaling and dietary restriction induced longevity through interactions with SKN-1/NRF2"
	Yung-Chi Huang	S. Flavell Lab - MIT	"A single neuron in <i>C. elegans</i> orchestrates multiple motor outputs through parallel modes of transmission"
	Kelly Flanagan	R. Aroian – UMCMS	"Engineering <i>Bacillus thuringiensis</i> and Cry proteins for improved anthelmintic control of parasitic nematodes"
Date	Speaker	Lab	Title of talk
Wednesday, May 24, 2023			
	Suzanne Angeli	Angeli Lab – U. of Maine	Understanding the relationship between the mitochondrial pore and the unfolded protein response"
	Sonia Boor	D. Kim Lab – Harvard	A neuroendocrine feedback loop couples the ingestion of bacterial food to foraging behavior in <i>C. elegans</i>
	Tyler Hill	Sengupta Lab – Brandeis	"Examining the Molecular Mechanisms of Short-term Sensory Adaptation"
BAWM September 2021- May 2022			
Date	Speaker	Lab	Title of talk
Wednesday, September 22, 2021			
	Amy Walker	Walker Lab - UMass Chan	"Characterizing the unknown unknowns...what WormCat can tell us about genes of unknown function"
	Cédric Diot	M. Walhout Lab - UMass Chan	"Host - bacteria interactions dictate tamoxifen toxicity in <i>C. elegans</i> "
	Josien van Wolfswinkel	J. van Wolfswinkel Lab - Yale	"piRNAs and the eternal life of planarian stem cells"
Date	Speaker	Lab	Title of talk
Wednesday, November 17, 2021			
	Shallee Page	Page Lab – Franklin Pierce U	"BIR-2, a Critical Mediator of <i>C. elegans</i> Innate Immunity"
	Shankar Ramachandran	M. Francis Lab – UMass Chan	A conserved neuropeptide system modulates motor circuit activity to enable adaptive behavior"
	Simon Yuan Wang	E. Greer Lab – Harvard)	"Hypoxia Induces Transgenerational Epigenetic Inheritance of Small RNAs"
Date	Speaker	Lab	Title of talk
Wednesday, January 26, 2022			
	Emily Spaulding	D.Updike Lab - Mount Desert Island Bio Lab	"Intrinsically disordered RG/RGG repeats in the <i>C. elegans</i> homologs of nucleolin and GAR1 contribute to nucleolar organization"
	Chun Li	F. Slack Lab - Harvard	"PPK-1/PIP5KA regulates let-7 miRNA expression through interactions with nuclear export proteins"
	Nathan Harris	P. Sengupta Lab – Brandeis University	Temperature-regulated gene expression changes driving plasticity in the AFD thermosensory neurons"
Date	Speaker	Lab	Title of talk
Wednesday, March 23, 2022			

	Eviatar Yemini	E. Yemini Lab, UMass Chan Med. School	"In Living Color: Whole-Nervous-System Cell IDs to Map Neural Communication and Fate In Vivo"
	Dongyeop Lee	H.R. Horvitz Lab, MIT	"Cohesin and PLZF direct GABAergic neural fates"
	Harksun Lee	Dennis Kim Lab, Harvard	"Molecular analysis of natural genetic variation in exploratory behavior of <i>C. elegans</i> "
Wednesday, May 24, 2022			
	Calista Diehl	H.R. Horvitz Lab - MIT	"Nonsense-mediated decay facilitates the hypoxia response"
	Nick Peterson	R. Pukkila-Worley Lab – UMCMS	"Bacterial pattern recognition in <i>C. elegans</i> by a nuclear hormone receptor"
	Yangning Lu	E. Boyden Lab – MIT	"Analysis of complete connectomes with expansion microscopy"

BAWM September 2020 - May 2021 (via Zoom)

Date	Speaker	Lab	Title of talk
Wednesday, September 23, 2020			
	Chris Grove	WormBase	"WormBase 2020: An update on curation efforts and latest tools and best practices for querying WormBase data"
	Perla Castaneda	Cram Lab - Northeastern	"PKA/RKIN-1 works downstream of Gα/GSA-1 to regulate calcium signaling and contractility in the <i>C. elegans</i> spermatheca"
	Victoria Julian	Byrne Lab - UMMS	"TIR-1/SARM1 Inhibits Axon Regeneration"
	Jorge Castillo-Quan	Blackwell Lab - Harvard	"What can a fat worm teach us about lipid homeostasis and aging?"
Date	Speaker	Lab	Title of talk
Wednesday, November 18, 2020			
	Sylvia E. J. Fischer	Fischer Lab - Harvard	"Multiple RNA silencing and stress pathways defend against endogenous viral elements and retrotransposons"
	Christopher Hammell	Hammell Lab - Cold Spring Harbor Laboratory	"An Epigenetic Priming Mechanism Mediated by Nutrient Sensing Regulates Transcriptional Output"
	Jodie (Norris) Schiffer	Apfeld Lab - Northeastern	" <i>C. elegans</i> processes sensory information to choose between freeloading and self-defense strategies"
	Amy Waker	Walker Lab - UMMS	"Membrane stresses (beyond the ER) link metabolism and aging in <i>C. elegans</i> "
Date	Speaker	Lab	Title of talk
Wednesday, January 27, 2021			
	Xintao Fan	Griffin Lab - Dartmouth	"The ER scaffolds cytoplasmic polarity in the early <i>C. elegans</i> embryo"
	Bojun Chen	Dept. Neuroscience, UConn Health	"Novel regulators of SLO-2 potassium channel"
	Katie Yanagi	Hart Lab – Brown University	"Genetic modifiers of ALS-associated defects in a <i>C. elegans</i> <i>sod-1</i> model"
	Ni Ji	Flavell Lab - MIT	"A neural circuit for flexible control of persistent behavioral states"
Date	Speaker	Lab	Title of talk
Wednesday, March 24, 2021			
	Eugene Lee	Horvitz Lab - MIT	" <i>C. elegans</i> can distinguish among temporally distinct pairings of light-odor stimuli in an associative learning paradigm"

	Chun Li	Slack Lab - Harvard	"Identification of novel genes in the <i>lin-28/let-7</i> pathway"
	Teresa Lee	Lee Lab - UMass Lowell	"Repressive H3K9me2 enables longevity and its inheritance"
	Ashish Maurya	Sengupta Lab – Brandeis	"Shaping sensory cilia via microtubule and membrane dynamics"
Date	Speaker	Lab	Title of talk
Wednesday, May 26, 2021			
	Joseph Zullo	Yankner Lab - Harvard	"Modulation of stress resistance by regulation of neuronal excitability"
	Dipon Ghosh	Horvitz Lab - MIT	"C. elegans discriminates colors to guide foraging"
	Latika Matai	Slack Lab – Harvard	"Role of miR-229 locus in promoting healthy adult aging"
	Yao Wang	S. Chung Lab - Northeastern	"Large-scale cooling immobilization for rapid imaging and laser surgery"

BAWM September 2019 - January 2020 (March & May Canceled due to COVID)

Date	Speaker	Lab	Title of talk
Wednesday, September 25, 2019			
	Karolina Mizeracka	Heiman Lab - Harvard	"How distinct lineages produce the same cell type"
	Sarah Anderson	Pukkila-Worley Lab - UMMS	"The fatty acid oleate is required for innate immune activation and <i>pathogen defense in C. elegans</i> "
	Ana Pereira	Y. Zhang Lab - Harvard	"Adult exposure to pathogenic bacteria bidirectionally <i>regulates pathogen response in the progeny</i> "
	Latika Matai	Slack Lab - Harvard	"Dietary restriction improves proteostasis and increases life span through endoplasmic reticulum hormesis"
Date	Speaker	Lab	Title of talk
Wednesday, November 20, 2019			
	Ye (Oscar) Duan	Ambros Lab - UMMS	"Characterization of the <i>in vivo</i> functions associated with the non-seed region of a conserved miRNA"
	Joseph Zullo	Yankner Lab - Harvard	"Regulation of longevity by neural excitation and REST"
	Mike O'Donnell	Sengupta Lab - Brandeis	"Modulation of behaviors via bacterial metabolites"
	Alon Zaslaver	Zaslaver Lab – Hebrew University	"Principles for coding memories in a small network"
Date	Speaker	Lab	Title of talk
Wednesday, January 29, 2020			
	Josh Saul	Horvitz Lab - MIT	"Genetic control of cell-fate maintenance by the transcriptional corepressor <i>ctbp-1</i> "
	Andrew Gehrke	Srivastava Lab - Harvard	"Acoel worm reveals the regulatory landscape of whole-body regeneration"
	Josh Hawk	Colon-Ramos Lab - Yale	"HySyn: A genetically-encoded synthetic synapse for modulation of neural circuits"

BAWM September 2018 - May 2019

Date	Speaker	Lab	Title of talk
Wednesday, September 26, 2018			
	Abdullah Yonar	Ramanathan Lab - Harvard	"A compressed sensing framework for efficient dissection of neural circuits"
	Frank Slack	Slack Lab – Harvard	"MicroRNAs and aging in <i>C. elegans</i> "
	Chris Hammell	Hammell Lab - Cold Spring Harbor Laboratory	"(Almost) lost in translation—Conserved mechanisms of protein translational amplification and its roles in antagonizing microRNA-mediated gene regulation in development"
Date	Speaker	Lab	Title of talk
Wednesday, November 28, 2018			
	Hanchen Li	Aroian Lab - UMMS	"Engineering bacteria to kill parasitic nematode infections"
	Jaeseok Park	D. Kim Lab - MIT	"cGMP-dependent chemosensory signal transduction pathways in the detection of bacterial metabolites by <i>C. elegans</i> "
	Nicholas Peterson	Pukkila-Worley Lab - UMMS	"Nuclear hormone receptor-mediated innate immune activation in <i>C. elegans</i> "
Date	Speaker	Lab	Title of talk
Wednesday, January 30, 2019			
	Vivek Dwivedi	Horvitz Lab - MIT	"Cell-cycle state drives caspase-independent apoptotic cell extrusion in <i>C. elegans</i> "
	Ashish Maurya	Sengupta Lab - Brandeis	"Two conserved kinases controlling sensory cilia structure and length"
	Amaranath Govindan	Ruvkun Lab - Harvard	"E. coli Siderophore Enterobactin Modulates Mitochondrial Function"
	Io Long Chan	Rando Lab - UMMMS	"Investigating parent-of-origin effects on gene expression in <i>C. elegans</i> "
Date	Speaker	Lab	Title of talk
Wednesday, March 27, 2019			
	Amy Walker	Walker Lab - UMMS	"Worm Cat: a tool for annotating and visualizing <i>C. elegans</i> RNA seq data"
	Kirk Burkhart	Horvitz Lab - MIT	"Failure of H3.3 nucleosome assembly pathways leads to delayed-onset defects and mitochondrial stress"
	Kurt Warnhoff	Ruvkun Lab - Harvard	"Molybdenum cofactor transfer from bacteria to nematode mediates sulfite detoxification"
	Micah Belew	Byrne Lab - UMMS	"Divergent Poly-ADP Ribose Polymerase pathways regulate axon regeneration and synaptic reformation"
Date	Speaker	Lab	Title of talk
Wednesday, May 29, 2019			
	Shaul Yogev	Yogev Lab - Yale	"Regulation of neuronal microtubule organization and synaptic cargo delivery"
	Stephen Von Stetina	Esvelt Lab – MIT	" <i>C. elegans</i> , Cas12a/Cpf1, and localized CRISPR gene drives: an emerging story"
	Chun Li	Slack Lab - Harvard	"Identification of novel genes in the <i>lin-28/let-7</i> pathway"
	Myung Choi	Y. Zhang Lab – Harvard	"The NMDAR-mediated desynchronized response of a gap junctional circuit regulates learning"

BAWM September 2017 - May 2018

Date	Speaker	Lab	Title of talk
Wednesday, September 27, 2017			
	Amy Walker	Walker Lab - UMMS	"Methylation and Stress-Induced Gene Expression"
	Charles Nelson	Ambros Lab - UMMS	"Post-Transcriptional Regulation of the microRNA Let-7 in <i>C.elegans</i> "
	Albrecht Lab Members	Albrecht Lab - WPI	"Hydrogel Encapsulation for Long-Term Imaging of Living Organisms"
	Gregoriy Dokshin	Mello Lab - UMMS	"Optimized Genome Editing to Explore the Argonaute Diversity in <i>C. elegans</i> "
Date	Speaker	Lab	Title of talk
Wednesday, November 29, 2017			
	Yue Zhang	Mair Lab - Harvard	"Cell non-autonomous modulation of longevity by the TORC1 pathway"
	Zoë Hilbert	Kim Lab - MIT	"Neuroendocrine regulation of decision-making behavior in <i>C. elegans</i> males"
	Beste Mutlu	Mango Lab - Harvard	"Chromatin organization during embryogenesis"
	Naina Kurup	Zhuang Lab	"Cytoskeletal regulation of synapse formation"
Date	Speaker	Lab	Title of talk

Wednesday, January 24, 2018			
	Mansi Srivastava	Srivastava Lab - Harvard	"Every worm has its day: a new acoel model system reveals GRNs for regeneration"
	Youjun Wu	Griffin Lab - Dartmouth	"Single-particle dynamics underlying germplasm segregation in the C. elegans zygote"
	Alison Wirshing	Cram Lab - Northeastern	"A screen of all actin binding proteins in Caenorhabditis elegans reveals spectrin as a key regulator of contraction and actin network organization in the spermatheca"
	Dennis Kim	Kim Lab - MIT	"Regulation of development and physiology by neuronal eIF2a phosphorylation "
Date	Speaker	Lab	Title of talk
Wednesday, March 28, 2018			
	Ross Lagoy	Albrecht Lab - WPI	"New automated screening technologies identify acute and chronic modulators of neural activity in C. elegans"
	Ahilya Sawh	Mango Lab - Harvard	"Dynamic organization of chromosomes during development by multiplexed FISH"
	Steve Sando	Horvitz Lab - MIT	"Spitting and gulping: opposing behaviors driven by a single pharyngeal neuron"
	Charlotte Kelley	Cram Lab - Northeastern	"The myosin light chain kinase, MLCK-1, relocalizes during C. elegans ovulation to promote actomyosin bundle assembly and drive contraction"
Date	Speaker	Lab	Title of talk
Wednesday, May 23, 2018			
	Xintao Fan	Griffin Lab - Dartmouth	"Regulation of P granule Dynamics by ER and Mitochondria in the early C. elegans embryo"
	Eric Luth	Juo Lab - Tufts	"VER proteins regulate GLR-1 glutamate receptor surface levels to control behavior"
	Akiko Doi	Horvitz Lab - MIT	"The evolutionarily conserved DEAD-box helicase DDX-23 functions in stem cell biology"
	Simon Wang	Greer Lab - Harvard	"The dealkylating enzyme NMAD-1 regulates meiosis in C. elegans"