Winners of the Inaugural Picturing MCB Image Contest

Showcasing the science of the UConn MCB Department

MCB in Action

Images of MCB members engaging in science, such as conversing at conferences, presenting posters, listening to seminars, etc.

3rd Place

MCB in Action

Ashley Reed

Ashley Reed and Charlotte Fuqua (Chemistry) performing elephant toothpaste demonstration at Mansfield Elementary School with UConn's Joint Safety Team Outreach Program.



2nd Place

MCB in Action

Sarah Pasqualetti

Collecting threespine stickleback on Ranchero Lake in Alaska



1st Place

MCB in Action

Derrick Kamp

John Briseno and Dr. Nyholm identify a freshly caught squid in Hawaii



Honorable Mention MCB in Action





Rilee Harris



Nidhi Vijayan



Nidhi Vijayan

Shania Kalladanthyil

Cool Science

Images (photos, drawings, digital art, etc.) inspired by science and are aesthetically pleasing, such as a picture of a flask with colorful liquid, a photogenic model organism, or an illustration with scientific themes 3rd Place

Cool Science

Sarah Pasqualetti

Male anadromous stickleback from the Kenai River Estuary



2nd Place

Cool Science

Derrick Kamp

A hatchling bobtail squid



1st Place

Cool Science

Masakazu Yamamoto

Cross-view stereogram of 16.5 d.p.c. mouse fetus skeletal specimen (blue: cartilage, red: bone)



Honorable Mention

Cool Science

Tristan Evans



Data Visualization

Images that display experiment data in an effective and visually compelling way. Examples include large plots of genomic data, phylogenetic trees, structural models of molecules, etc.

3rd Place

Data Visualization

Helena Heyer-Gray

This image shows a protein sequence alignment and phylogenetic tree of abaecin-2 sequences from different ant species (and a wasp outgroup), highlighting the evolution of the copper-binding DTH motif at the beginning of the sequence.

0.20

Attine ants		10	20	30	40
DTH/DIH motif present	68 Acromyrmex echinatior 64 Pseudoatta argentina	DIHT-LSTHK DIHT-LSTHK	RL F RL F	P - NGPG - <mark>Y</mark> GPFN P - NGPG - YGPFN	P HQ PWP I PWP N P HQ PWP I PWP N
	Atta texana	DTHT-LSTHK	I RL <mark>F</mark>	P - NGPG - YGPFN	PHQ <mark>PWPIPWP</mark> N
	Trachymymex septentrionalis	DTHT-LSTYK	I RL 🛚	<mark>8</mark> - NG <mark>S</mark> G - <mark>Y</mark> GPFN	P
	85 - Mycetomoellerius zeteki	DTHT-LLTHR	I RL F	P - NGPG - <mark>Y</mark> GPF <mark>N</mark>	PHQPWPIPWPN
	Cyphomyrmex costatus	DTHT-LSTHR	I RL F	P - SGPG - <mark>Y</mark> GPF <mark>N</mark>	PHQPWLISWPN
	Paratrachymyrmex cornetzi	DTHT - LSTH R	I RL F	P - NGPG - YGPFN	PHQSWPIPLPN
	Aphaenogaster ashmeadi	DTHA - L PQH R	L RL F	PGGGPG - YGPFN	P R Q P W P I P L P N V S I
	^{85L} Pogonomyrmex californicus	DTHA - L PKH R	L RL F	PGGGPG - YGPFN	PRLPWPIPLPN
	Solenopsis invicta	DTHA - LPEH R	P RL F	P - EGPG - YVLFN	PRQPWPVPWPNHGR
	Cardiocondyla obscurior	DTHV-LPKHR	FRLF	P - SCPG - YGPFN	
	⁶⁷¹ Wasmannia auropunctata		F RL F	P - SGPG - YGPFN	PQQPWPVPWPN
	Crematogaster levior		P RL F	P - SNPG - YGPFN	PRUSWPVPLPN
	Harpagoxenus sublaevis			P - SGPG - YGPFN	PRUSVIPVPLPN
				SCRC VCREN	
	Tetramonum parvispinum			o conce v	PRUSVPVPLPN
	Monomorium pharaonis				
	Iemnothorax longispinosus Recudemyrmex concelor			COPO-VOPEN	
	Prenolenis imparis			PESERPDPGPYN	
				P DPRRPGPEN	P
	Cataglyphis niger	DTQA - FATY R	P	E F P D	
	Odontomachus brunneus	DVQA - LPNEYPTW	/P	P - DRPGLPGPYN	P
	–Formica selvsi	DIQASTPTY R	PTSTDRYGL	P - D I PG - <mark>S</mark> G	
	Z1 Camponotus vicinus	NIQA-FPTHT	P G F F	P - DIPG - <mark>S</mark> GRPN	PGPFIPQPWPQ
	– Vespula pensylvanica	HA - APKK R	<mark>G</mark> F F	<mark>P</mark> - Q F <mark>P G - Y G T F N</mark>	<mark>p kg kl p v p f p</mark> kq r y
Mischocyttarus mexicanus HA - A P KS R GLL - Q F PG - YGTYNP KG KLPVF					<mark>P</mark> K <mark>G</mark> K L P V P F P N
	н				

2nd Place

Data Visualization

Juliet Lee

A color coded sequence of adhesive contacts or footprints that form beneath a moving epithelial cell over a period of 2 minutes, where blue are early and red are later time points.



1st Place

Data Visualization

Makayla Leroux

The expanded capsid of bacteriophage P22 at a resolution of 3.6 angstroms.



Microscopy

Photographs taken with a microscope (stereoscope, confocal, electron microscope, etc.) at any magnification and with any type of illumination (brightfield, DIC, fluorescence, etc.) 3rd Place

Microscopy

Michael Griffith

Host cell microtubules (cyan) forming cages around Toxoplasma gondii parasites (small magenta structures), with host cell nucleus (large magenta structure).



2nd Place Microscopy

Nidhi Vijayan

Section of a squid organ where nuclei are in blue and cilia in white



1st Place Microscopy

Derrick Kamp

A depth-coded image of a juvenile bobtail squid infected with its light producing bacterial symbiont Vibrio fischeri







Camille Pearce

Derrick Kamp



Jillian Lewis





Joshua Berthiaume

Juliet Lee



Katelyn DeNegre





Nidhi Vijayan





Ryan Frier

Shania Kalladanthyil