

Aurora (CRTD 3rd floor south, room 3.113)

Laser	Channel	Optical filters				Fluorochrome examples
		BP	band			
UV 355 nm	UV 1	372 / 15	365	380	BUV395	
	UV 2	387 / 15	380	395		
	UV 3	427 / 15	420	435		
	UV 4	443 / 15	436	451	AF350, LIVE/DEAD Blue, eFl455, Ghost Dye, UV450	
	UV 5	458 / 15	451	466		
	UV 6	473 / 15	466	481		
	UV 7	514 / 28	500	528	BUV496, DAPI, Zombie UV	
	UV 8	542 / 28	528	556	BUV563	
	UV 9	581 / 31	566	597		
	UV 10	612 / 31	597	628		
	UV 11	664 / 27	651	678	BUV615	
	UV 12	691 / 28	677	705	BUV661	
	UV 13	720 / 29	706	735	BUV737	
	UV 14	750 / 30	735	765		
	UV 15	780 / 30	765	795		
	UV 16	812 / 34	795	829	BUV805	
Violet 405 nm	V 1	428 / 15	420	435	BV421	
	V 2	443 / 15	436	451	cFluor V420, Super Bright 436, AF405, Zombie Violet, ViaKrome 405	
	V 3	458 / 15	451	466	cFluor V450, Pacific Blue, VioBlue, BFP, LIVE/DEAD Violet, CellTrace Violet, Fixable Viability Stain 450, Ghost Dye Violet 450, violetFluor 450, eFl450, V450	
	V 4	473 / 15	466	481	BV480, AmCyan, mCerulean3, violetFluor 500	
	V 5	508 / 20	498	518		
	V 6	525 / 17	516	533		
	V 7	542 / 17	533	550	BV510, eFluor 506, Amethyst Orange, VioGreen, Zombie Aqua, OC515, V500, LIVE/DEAD Aqua, Krome Orange, Ghost Dye Violet 510 & 540, Fixable Viability Stain 510	
	V 8	581 / 19	571	590	cFluor V547, BV570, Pacific Orange, LSSmOrange, LIVE/DEAD Yellow, Live-or-Dye 405/545	
	V 9	598 / 20	588	608	cFluor V610, BV605, Qdot 605, Super Bright 600, Zombie Yellow, Fixable Viability Stain 575V	
	V 10	615 / 20	605	625		
	V 11	664 / 27	651	678		
	V 12	692 / 28	678	706	BV650, Qdot 655, Super Bright 645	
	V 13	720 / 29	706	735	BV711, Qdot 705, Super Bright 702	
	V 14	750 / 30	735	765	BV750	
	V 15	780 / 30	765	795	BV785, Qdot 800, Super Bright 780	
	V 16	812 / 34	795	829		
Blue 488 nm	B 1	508 / 20	498	518	cFluor B515, Vio 515, BB515, CellTrace Calcein Green AM, Live-or-Dye 488/515	
	B 2	525 / 17	516	533	cFluor B532, AF488, CFSE, CellTracker Green, CMFDA, FITC, GFP, Ghost Dye Blue 516, Kiravia Blue 520, Zombie Green	
	B 3	542 / 17	533	550	cFluor B548, Alexa Fluor 532, eFluor 520, Fixable Viability Stain 520, LIVE/DEAD Green, Live-or-Dye 510/550, MitoTracker Green, Northern Lights 493, Spark Blue 550, SYTOX Green, Venus, VioBright FITC, YFP	
	B 4	581 / 19	571	590	BB630, MitoSOX Red	
	B 5	598 / 20	588	608		
	B 6	615 / 20	605	625		
	B 7	660 / 17	652	669	BB660	
	B 8	678 / 18	669	687	PerCP	
	B 9	697 / 19	688	707	cFluor B690, PerCP-Cy5.5, BB700	
	B 10	717 / 20	707	727	PerCP-eFluor710, PerCP-Vio 700	
	B 11	738 / 21	728	749	BB755	
	B 12	760 / 23	749	772		
	B 13	783 / 23	772	795		
	B 14	812 / 34	795	829	BB790	
Yellow-Green 561 nm	YG 1	577 / 20	567	587	cFluor BYG575, cFluor YG584, AF546, AF555, BYG584, CellTrace Yellow, Cy3, DsRed, eFl570, Fixable Viability Stain 570, Live-or-Dye 568/583, MitoTracker Orange, mOrange, Northern Lights 557, PE, RFP, Spark YG 570, SYTOX Orange, TAMRA, TMRE, TMRM, ViaKrome 561	
	YG 2	598 / 20	588	608	mApple	
	YG 3	615 / 20	605	625	cFluor BYG610, cFluor YG610, mCherry, AF568, AF594, CellTrace BODIPY, ECD, eFl615, LIVE/DEAD Red, Live-or-Dye 594/614, PE-CF594, PE/Dazzle 594, PE-eFluor 61o, PE-Texas Red, PE-Vio 615, Zombie Red	
	YG 4	660 / 17	652	669	7-AAD, Fixable Viability Stain 620, mKate, PE-Alexa Fluor 610, PE/Fire 640, PI	
	YG 5	678 / 18	669	687	cFluor BYG667, PE-Cy5	
	YG 6	697 / 19	688	707	cFluor BYG680	
	YG 7	720 / 29	706	735	cFluor BYG710, PE-Alexa Fluor 700, PE-Cy5.5, PE/Fire 700	
	YG 8	750 / 30	735	765	cFluor BYG781, PE-Cy7, PE-Vio 770	
	YG 9	780 / 30	765	795		
	YG 10	812 / 34	795	829		
Red 640 nm	R 1	660 / 17	652	669	cFluor R659, APC, CellTrace Far Red, ViaKrome 638	
	R 2	678 / 18	669	687	cFluor R668, AF647, eFl660, Fixable Viability Stain 660, Janelia Fluor 646, LIVE/DEAD Far Red, Live-or-Dye 640/662, Northern Lights 637, SYTOX Deep Red, Vio 667, VioBright 667	
	R 3	697 / 19	688	707	cFluor R720, AF680, AF700, APC-AF700, APC-R700, Fixable Viability Stain 700, Ghost Dye Red 710, R718, redFluor 710	
	R 4	717 / 20	707	727		
	R 5	738 / 21	728	749		
	R 6	760 / 23	749	772	ViaKrome 808	
	R 7	783 / 23	772	795	Zombie NIR	
	R 8	812 / 34	795	829	cFluor R780, AF750, APC-AF750, APC-C750, APC-Cy7, APC-eFl780, APC/Fire 750, APC-H7, APC-Vio 770, eFl780, Fixable Viability Stain 780, Ghost Dye Red 780, LIVE/DEAD NIR, Live-or-Dye 750/777	
				cFluor R840, APC/Fire 810		