

**UWCCC Instrument Map  
5 Laser BD LSRII**

	Blue: 488nm		Yellow Green: 561nm				Violet: 405nm					Red: 642nm			UV: 355nm			
Detector	488B	488A	561E	561D	561C	561B	561A	405E	405D	405C	405B	405A	642C	642B	642A	355C	355B	355A
Filter	530/30	695/40	582/15	610/20	670/30	710/50	780/60	450/50	525/50	610/20	670/30	780/60	670/14	730/45	780/60	379/28	450/50	530/30
Dichroic	505LP	685LP	570LP	600LP	635LP	685LP	735LP		495LP	585LP	635LP	750LP		685LP	750LP		410LP	505LP
	BBS15	BB700	PE	PE-CF594	PE-Cy5	PE-Cy5.5	PE-Cy7	BV421	BV510	BV605	BV650	BV786	APC	redFluor 710	APC-H7	BUV395		BUV496
	KIRAVIA Blue 520								SuperBright 600	SuperBright 645	SuperBright 780							
	FITC	PerCP		PE-AF610	PE-AF647			eFluor450		eFluor610	SuperBright 702 (710/20, 690LP)		eFluor660	APC-Alexa700	APC-Cy7	Ei97		BUV563 (575/26, 550LP)
		PerCP-Cy5		PE-eFluor610							BV711 (710/20, 690LP)			APC-R700	APC-Alexa750			BUV661 (675/20, 600LP)
	NovaBlue510 (510/20, 505LP)	PerCP-Cy5.5		PE-Texas Red					eFluor605NC		BV750 (740/35, 690LP)		NovaRed660	NovaRed700 (695/40)	APC-eFluor780			BUV737 (730/45, 690LP)
	NovaBlue530	PerCP-eFluor710							eFluor625NC	eFluor650NC			NovaRed685 (675/30)	NovaRed710				BUV805 (820/60, 770LP)
	Alexa488		Alexa546	Alexa568				Alexa405	Alexa430				Alexa647	Alexa700	Alexa750		Alexa350	
	Alexa500	NovaBlue555 (575/26, 525LP)	Alexa555	Alexa594									Alexa633	Alexa680	Alexa790			
	Alexa514	NovaBlue585 (585/42, 550LP)		Alexa610									Alexa635					
	Alexa532	NovaBlue610 (610/20, 600LP)	NovaYellow570 (585/42, 570LP)	NovaYellow610	NovaYellow660	NovaYellow690							Alexa660					
	DyLight488	NovaBlue660 (660/20, 635LP)	DyLight550	DyLight594		NovaYellow700			DyLight405				DyLight633	DyLight680	DyLight755			DyLight350
	Oregon Green					NovaYellow720		V450	V500				DyLight650		DyLight800			
	VioBright 515	PerCP-Vio700		PE-Vio615			PE-Vio770	VioBlue	VioGreen				Vio667					
	Vio515		Alto550										VioBright 667					
	VioBright FITC	PKH26 (585/42, 550LP)	JF549					Pacific Blue	Pacific Orange				JF646					
	Cy2	JC-1 (585/42, 550LP)	Cy3	Cy3.5					Pacific Green				Cy5				Indo-1 (Ca++ Bound)	Indo-1 (Ca++ Free)
Fluorescent Proteins	GFP		tdTomato	mTangerine	mRaspberry			CFP (470/28)	CFP-YFP FRET (546/10)									BFP
	Emerald FP		RFP, mRFP	mCherry	mPlum													
	YFP		mOrange	mKate														
	ZsGreen		mBanana	mStrawberry														
Mitochondrial/ ROS	MitoTracker Green	MitoSOX Red (585/42, 550LP)	DCF (for ROS)	MitoTracker Red									MitoTracker Deep Red					
Proliferation	CFSE		CellTrace Yellow					CellTrace Violet					CellTrace Far Red			CellTrace Blue		
Cell Cycle - Live (Fisher)	Vybrant Dye Cycle Green												Vybrant Dye Cycle Ruby					Vybrant Dye Cycle Violet
DNA Dyes/Cell Cycle (NOT Viability)								Hoechst 33342/33258					DRAQ5					Hoechst 33342/33258
Viability/DNA Dyes/Cell Cycle		7AAD		7AAD	7AAD	7AAD	7AAD	DAPI										DAPI
Viability/DNA Dyes/Cell Cycle		PI	PI	PI	PI								FxCycle Far Red					FxCycle Violet
Viability Only	SYTOX Green				SYTOX Orange			SYTOX Blue					SYTOX Red					
Fixable Viability Dyes (Tonbo)								Ghost Violet 450	Ghost Violet 510	Ghost Violet 540			Ghost Red 710		Ghost Red 780			Ghost UV 450
Fixable Viability Dyes (BioLegend)	Zombie Green		Zombie Red					Zombie Violet	Zombie Aqua	Zombie Yellow					Zombie Near IR			Zombie UV
Fixable Viability Dyes (Fisher)	Live/Dead Green		Live/Dead Red					Live/Dead Violet	Live/Dead Aqua	Live/Dead Yellow			Live/Dead Far Red		Live/Dead Near IR			Live/Dead Blue

**FLUOROCHROME LISTS ARE NOT ALL INCLUSIVE**

\*PI will show up in all channels it is listed in (i.e. you can't use PE with PI), but is brightest in the 561D channel.  
 \*7AAD will show up in all channels it is listed in (i.e. you can't use PerCP with 7AAD), but is brightest in the 561C channel.  
 \*DAPI will show up in all channels it is listed in (i.e. you can't use BV421 with DAPI), but is brightest in the 355B channel.

\*Hoechst will show up in all channels it is listed in (i.e. you can't use BV421 with Hoechst), but is brightest in the 355B channel.  
 \*BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer  
 \*SuperBright dyes require the use of the SuperBright Staining Buffer