

## AIDA configuration updates:

### Old configuration 3-Violet, 2-Blue, 5-YellowGreen, 3-Red

#### 405 nm Violet laser 100 mW

PMT Position	Splitter (LP)	BP filter	Fluorochromes
A	595	605/40	BV 605
B	535	560/40	BV570, Pacific Orange, live/dead Aqua Amine
C	None	450/50	BV421, Pacific Blue, Alexa 405, Cascade Blue, CFP, mCerulean, DyeCycle Violet, DAPI, Hoechst (for live/dead).

#### 488 nm Blue laser 50 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	685	710/50	PerCP-Cy5.5, PE-Cy5.5
B	505	525/50	FITC, GFP, YFP, Venus, Alexa 488, CFSE
C	None	488/10	SSC

#### 561 nm Yellow-Green laser 50 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	750	780/60	PE-Cy7
B	685	710/50	PE-Cy5.5
C	635	660/20	PE-Cy5, 7AAD, PI
D	600	610/20	PE-Texas-Red. mCherry
E	None	582/15	PE, tdTomato, DsRed

#### 640 nm Red laser 40 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	750	780/60	APC-Cy7
B	690	730/45	APC-Cy5.5, Alexa 700
C	None	670/30	APC, Alexa 647

### New configuration 5-Violet, 2-Blue, 4-Yellow-Green, 3-Red:

#### 405 nm Violet laser 100 mW

PMT Position	Splitter (LP)	BP filter	Fluorochromes
A	750	780/60	BV786
B	690	712/22	BV711
C	595	605/40	BV 605
D	535	560/40	BV570, Pacific Orange, live/dead Aqua Amine
E	None	450/50	BV421, Pacific Blue, Alexa 405, Cascade Blue, CFP, mCerulean, DyeCycle Violet, DAPI, Hoechst (for live/dead).

#### 488 nm Blue laser 50 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	685	710/50	PerCP-Cy5.5, PE-Cy5.5
B	505	525/50	FITC, GFP, YFP, Venus, Alexa 488, CFSE
C	None	488/10	SSC

#### 561 nm Yellow-Green laser 50 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	750	780/60	PE-Cy7
B	635	660/20	PE-Cy5, 7AAD, PI
C	600	610/20	PE-Texas-Red. mCherry
D	None	582/15	PE, tdTomato, DsRed

#### 640 nm Red laser 40 mW

PMT Position	Splitter	BP filter	Fluorochromes
A	750	780/60	APC-Cy7
B	690	730/45	APC-Cy5.5, Alexa 700
C	None	670/30	APC, Alexa 647



FAQ:

1. I have a saved template on Aida – can I still use it?
  - a. No, not as is...you must update your template as the electronics have been remapped. If you must use the same template, you will need to delete the current parameters and re-add them to ensure the correct channels are being used for your experiment.
    - i. Example: Your experiment used PE, FITC, and PacBlu
      1. Make note of the detector settings, then delete the 3 channels and re-add them as PE, FITC, and BV421. These will be the same filters and detectors, but will be recognized in the new configuration correctly
2. The PE-Cy5.5 (710/50 off the yellow-green laser) channel has been removed – what should I do if I was using that channel.
  - a. If your panel had 4 or fewer dyes off the yellow laser and you still need the 710/50 channel rather than the PE-Cy5 channel, you can swap the filter. SSFF staff can show you where the filters are located, and how to do this filter change
  - b. If you had a panel using all 5 channels off of the yellow-green laser – please see SSFF staff. You will need to either move one parameter to another dye, or move your experiment to another machine