Standard settings for Leica SP5 confocal microscope (Used under Sequential Collection conditions)

Note: Save with your collection conditions by replacing 'Name' with your personal name

'3-color' Collection: DAPI, Alexa 488, Alexa 594							Primary	Alternative
	Setting Name	Laser	PMT	Emission	Color	Mirror	fluorophore	fluorophores
a	Name SP5 3-DAPI	405	1	415-460	Blue	none	DAPI	Alexa 405
b	Name SP5 3-488	488	3	498-550	Green	none	Alexa 488	FITC/GFP
c	Name SP5 3-594	594	4	604-650	Red	none	Alexa 594	mCherry/mPlum

'4-color' Collection: DAPI, Alexa 488, Alexa 555, Alexa 633							Primary	Alternative
	Setting Name	Laser	PMT	Emission	Color	Mirror	fluorophore	fluorophores
a	Name SP5 4-488	488	2	498-530	Green	none	Alexa 488	FITC/GFP
b	Name SP5 4-555	543	3	553-595	Yellow	none	Alexa 555	Alexa 546/Alexa 568/TRITC/Cy3/mOrange/PE
c	Name SP5 4-DAPI+633	405	1	415-460	Blue	none	DAPI/Hoechst	Alexa 405
	(can do together)	633	5	650-700	Magenta	none	Alexa 633	Alexa 647/ToPro3

'5-color'Collection: DAPI, Alexa 488, Alexa 555, Alexa 594, Alexa 647								Alternative
	Setting Name	Laser	PMT	Emission	Color	Mirror	Fluorophore	fluorophores
a	Name SP5 5-488	488	2	498-530	Green	none	Alexa 488	FITC/GFP
b	Name SP5 5-555	543	3	553-573	Yellow	none	Alexa 555	Alexa 546/TRITC/Cy3/mOrange
c	Name SP5 5-594	594	4	604-624	Red	none	Alexa 594	mCherry/mPlum
d	Name SP5 5-DAPI+647	405	1	415-460	Blue	none	DAPI/Hoechst	Alexa 405
	(can do together)	633	5	650-700	Magenta	none	Alexa 647	ToPro3

a, to set the Emission collection, double click on the rectangle under the spectrum. Enter the beginning and ending wavelegths
b, to activate the indicated laser, click 'active' and turn laser up to the desired % of power
(note, for the 405 nm laser, a separate 'active' box must be clicked and power changed by clicking on the -- under the 'wheel diagram'
c, to activate a specific PMT, click 'active' under that PMT. Set the color of the output to what you desire
d, save the setting using the format 'Your Name, Setting Specific information'. See above names as examples.