Image		*Describes the actual image and its metadata.*
	AcquiredDate	The acquisition date of the Image.
	Description	A multi-line description for the image.
	Name	A short description for the image. This would be used to, for example, select the image from a list.
	ImagingEnvironment	*Describes the environment that the biological sample was in during the experiment.*
	AirPressure	AirPressure in millibars[mbar].
	CO2Percent	%CO2 as a percent-fractions from 0.0 to 1.0 [%].
	Humidity	Humidity as a percent-fraction from 0.0 to 1.0 [%].
	Temperature	Temperature [degrees Celsius].
	ObjectiveSettings	*Describes any settings on or around the objective*
	CorrectionCollar	An adjustable ring on the objective that corrects for changes in immersion medium refractive imdex. Arbitrary scale and unitless.
	Medium	A description of a Medium used for the lens. e.g., Oil, Water, WaterDipping, Air, Multi, Glycerol, Other
	RefractiveIndex	Refractive index is that of the immersion medium.
	Pixels	*Defines the location and paramater sof the Pixels, the actual binary image data*
	DimensionOrder	The order in which the individual planes of data are interleaved. e.g., XYZCT, XYZTC, XYCTZ, XYCZT, XYTCZ, XYTZC
	PhysicalSizeX PhysicalSizeY PhysicalSizeZ	} Physical size in x, y, z of a pixel in microns[um]
	SizeC SizeT SizeX SizeY SizeZ	} Dimensional size x, y, z, c, t of pixel data array
	TimeIncrement	Used for time series that have a global timing specification instead of per-timepoint timing info, e.g., a video stream. [s].
	Type	The variable type used to represent each pixel in the image. e.g., int8, int16, int32, uint8, uint16, uint32, float, bit, double, complex, double-complex
	BinData	If the pixel data is stored dierctly in the XML it is enclosed in BinData Elements
	TiffData	*If the pixel data is stored in an OME-TIFF file it is described by TiffData Elements*
	FirstC FirstT FirstZ IFD PlaneCount	} The TiffData element describes how the TIFF IFD numbers are mapped to the Pixels.
	UUID	*The TiffData UUID and Filename are used for multi-file datasets to maintain connections between the files*
	FileName	
	Channel	
	AcquisitionMode	AcquisitionMode describes the type of microscopy performed. e.g., WideField, LaserScanningMicroscopy, LaserScanningConfocal, SpinningDiskConfocal, SlitScanConfocal, MultiPhotonMicroscopy, StructuredIllumination, SingleMoleculeImaging, TotalInternalReflection, FluorescenceLifetime, SpectralImaging, FluorescenceCorrelationSpectroscopy, NearFieldScanningOpticalMicroscopy, SecondHarmonicGenerationImaging, Other
	Color	A color used render this channel
	ContrastMethod	The technique used to achieve contrast. e.g., Brightfield, Phase, DIC, HoffmanModulation, ObliqueIllumination, PolarizedLight, Darkfield, Fluorescence, Other
	EmissionWavelength	Emission wavelength of excitation for a particular channel, in nanometres [nm].
	ExcitationWavelength	Excitation wavelength of excitation for a particular channel, in nanometres [nm].
	Fluor	The name of the fluorophore used to produce this channel.
	IlluminationType	The method of illumination used to capture the channel. e.g., Transmitted, Epifluorescence, Oblique, NonLinear, Other
	Name	A short name for the channel, used to, for example, identify the channel from a list.
	NDFilter	Specifies the combined effect of any neutral density filters used. [% Transmittance]
	PinholeSize	Specifies adjustable pin hole diameters for confocal microscopes (microns [um]).
	PockelCellSetting	Amount the polarization of the beam introduced by Pockel Cell, if any.
	SamplesPerPixel	The number of samples the detector takes to form each pixel value.
	DetectorSettings	
	Binning	Represents the number of pixels that are combined to form larger pixels. e.g., 1x1, 2x2, 4x4, 8x8, Other
	Gain	The Gain of the detector.
	Offset	The Offset of the detector.
	ReadOutRate	Detector read speed (MHz)
	Voltage	The Voltage of the detector. volts[V]
	LightSourceSettings	
	Attenuation	The Attenuation of the light source. [%]
	Wavelength	The Wavelength of the light source. [nm]
	Plane	
	DeltaT	Elapsed time since the beginning of the experiment [s]
	ExposureTime	Elapsed time during image recording. [s]
	PositionX PositionY PositionZ	} The x, y, z position of the stage. [µm]
StageLabel		
	Name	Short name for this stage location This would be used to, for example, identify the channel from a list.
	X Y Z	} The labeled x, y, z position of the stage. [µm]