[1] TBD

[2] TBD

[3] Format of a file (e.g. txt, csv, fastq, bam, etc.)

[4] TBD

[5] Full path of uploaded companion CSV file containing channel-level metadata details

[6] Type of imaging assay

[7] URL to a free/open protocol resource describing the assay protocol (e.g. surface markers used in Smart-seq, dissociation duration, lot/batch numbers for key reagents such as primers, sequencing reagent kits, etc.) or the protocol by which the sample was obtained or generated.

[8] TBD

[9] Microscope type (manufacturer, model, etc) used for this experiment

[10] Objective

[11] The magnification of the lens as specified by the manufacturer - i.e. '60' is a 60X lens. floating point value > 1(no units)

[12] The numerical aperture of the lens. Floating point value > 0.

[13] The working distance of the lens, expressed as a floating point number. Floating point > 0.

[14] The units of the working distance. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[15] Immersion medium

[16] Does data file contain pyramid of images

[17] Does data file contain a Z-stack of images

[18] Does data file contain a time-series of images

[19] Did all channels pass QC (if not add free text Comment)

[20] Free text field (generally for QC comment)

[21] Index of FOV (as it pertains to its sequence order). Integer >= 1

[22] Field of view X dimension. Floating point

[23] Field of view X dimension units. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[24] Field of view Y dimension. Floating point value

[25] Field of view Y dimension units. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[26] Number of frames averaged together (if no averaging, set to 1). Integer >= 1

[27] Unique internal image identifier. eg ""Image:0"". (To be extracted from OME-XML)

[28] The order in which the individual planes of data are interleaved.

[29] Physical size (X-dimension) of a pixel. Units are set by PhysicalSizeXUnit. Floating point value > 0.

[30] The units of the physical size of a pixel. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[31] Physical size (Y-dimension) of a pixel. Units are set by PhysicalSizeYUnit. Floating point value > 0.

[32] The units of the physical size of a pixel. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[33] Physical size (Z-dimension) of a pixel. Units are set by PhysicalSizeZUnit. Floating point value > 0.

[34] The units of the physical size of a pixel. See OME enumeration of allowed values for the UnitsLength attribute -- default: microns (um)

[35] Boolean (True/False)

[36] Number of Z-planes (not to be confused with downsampled ""pyramid""). Integer >=1

[37] Number of channels. Integer >= 1

[38] Number of time points. Integer >= 1

[39] Size of image: X dimension (in pixels). Integer >= 1

[40] Size of image: Y dimension (in pixels). Integer >= 1

[41] Size of image: Z dimension (in pixels). Integer >= 1

[42] Data type for each pixel value. E.g. ""uint16""

[43] TBD

[44] TBD

[45] TBD

[46] TBD

[47] TBD

[48] TBD

[49] TBD

[50] TBD

[51] TBD

[52] TBD

[53] TBD

[54] TBD

[55] TBD

[56] TBD

[57] TBD

[58] TBD

[59] TBD

[60] TBD

[61] TBD

[62] TBD

[63] TBD

[64] TBD

[65] TBD