ome:Settings ← **rdfs:subClassOf**

rdfs:subClassOf

ome:ObjectiveSettings — **rdfs:subClassOf**

ome:DetectorSettings

ome:ObjectiveSettings

Property	Target	Type
rdfs:label	string	langString
dct:identifier	string	string
rdfs:comment	string	langString
ome:correctionCollar	float	float
ome:objectiveMedium	ome:ObjectveMedium	
ome:refractiveIndex	float	float

ome:DetectorSettings

Property	Target	Type
rdfs:label	string	langString
dct:identifier	string	string
rdfs:comment	string	langString
ome:binning	ome:Binning	
ome:integration	positiveInteger	positiveInteger
ome:voltage	SBO:0000259	
ome:offset	float	float
ome:zoom	float	float
ome:readOutRate	PATO:0000044	
ome:gain	float	float

rdfs:subClassOf

ome:LightSourceSettings

Property	Target	Type
rdfs:label	string	langString
dct:identifier	string	string
rdfs:comment	string	langString
ome:wavelength	PATO:0001242	
ome:attenuation	float	float

ome:Binning

Relation	Value
rdf:type	other
rdf:type	1x1
rdf:type	2x2
rdf:type	4x4
rdf:type	8x8

ome:ManufacturerSpec — **rdfs:subClassOf** → ome:LightSource

ome:ManufacturerSpec
- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

rdfs:subClassOf

ome:Microscope
- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:microscopeType** → ome:MicroscopeType
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

ome:MicroscopeType
- **rdf:type** ← other
- **rdf:type** ← upright
- **rdf:type** ← dissection
- **rdf:type** ← inverted
- **rdf:type** ← electrophysiology

ome:LightSource
- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:power** → PATO:0001024
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

rdfs:subClassOf

ome:Arc
- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:arcType** → ome:ArcType
- **ome:power** → PATO:0001024
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

ome:ArcType
- **rdf:type** ← other
- **rdf:type** ← Hg
- **rdf:type** ← HgXe
- **rdf:type** ← Xe

rdfs:subClassOf

ome:Objective

Property	Type	
rdfs:label	string	*langString*
dct:identifier	string	*string*
rdfs:comment	string	*langString*
ome:nominalMagnification	float	*float*
ome:calibratedMagnification	float	*float*
ome:workingDistance	PATO:0000040	
ome:correction	ome:Correction	
ome:lensNA	float	*float*
ome:immersion	ome:Immersion	
ome:iris	float	*float*
ome:manufacturer	ome:Manufacturer	
ome:model	string	*string*
ome:serialNumber	string	*string*
ome:lotNumber	string	*string*

rdfs:subClassOf

ome:Dichroic

Property	Type	
rdfs:label	string	*langString*
dc:identifier	string	*string*
rdfs:comment	string	*langString*
ome:manufacturer	ome:Manufacturer	
ome:model	string	*string*
ome:serialNumber	string	*string*
ome:lotNumber	string	*string*

rdfs:subClassOf

ome:Filament

Property	Type	
rdfs:label	string	*langString*
dct:identifier	string	*string*
rdfs:comment	string	*langString*
ome:filamentType	ome:FilamentType	
ome:power	PATO:0001024	
ome:manufacturer	ome:Manufacturer	
ome:model	string	*string*
ome:serialNumber	string	*string*
ome:lotNumber	string	*string*

ome:FilamentType

- **rdf:type** → incandescent
- **rdf:type** → other
- **rdf:type** → halogen

rdfs:subClassOf

ome:GenericExcitationSource

Property	Type	
rdfs:label	string	*langString*
dct:identifier	string	*string*
rdfs:comment	string	*langString*
ome:map	ome:Map	
ome:power	PATO:0001024	
ome:manufacturer	ome:Manufacturer	
ome:model	string	*string*
ome:serialNumber	string	*string*
ome:lotNumber	string	*string*

rdfs:subClassOf

ome:Dertector

- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:detectorType** → ome:DetectorType
- **ome:amplificationGain** → float *float*
- **ome:voltage** → SBO:0000259
- **ome:offset** → float *float*
- **ome:zoom** → float *float*
- **ome:gain** → float *float*
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

ome:DetectorType

- **rdf:type** CMOS
- **rdf:type** correlation spectroscopy
- **rdf:type** PMT
- **rdf:type** EBCCD
- **rdf:type** intensified CCD
- **rdf:type** KrCl
- **rdf:type** EMCCD
- **rdf:type** spectroscopy
- **rdf:type** CCD
- **rdf:type** analog video
- **rdf:type** other
- **rdf:type** FTIR
- **rdf:type** photodiode
- **rdf:type** APD

rdfs:subClassOf

ome:Laser

- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:laserType** → ome:LaserType
- **ome:laserMedium** → ome:LaserMedium
- **ome:waveLength** → PATO:0001242
- **ome:repeteionRate** → PATO0000044
- **ome:power** → PATO:0001024
- **ome:tuneable** → boolean *boolean*
- **ome:frequencyMultiplication** → positiveInteger *positiveInteg*
- **ome:pulse** → ome:Pulse
- **ome:pump** → ome:Pump
- **ome:pockelCell** → boolean *boolean*
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

ome:LaserType

- **rdf:type** solid state
- **rdf:type** other
- **rdf:type** gas
- **rdf:type** free electron
- **rdf:type** solid state
- **rdf:type** other
- **rdf:type** gas
- **rdf:type** free electron

rdfs:subClassOf

ome:Filter

- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:filterType** → ome:FilterType
- **ome:filteWheel** → string *string*
- **ome:transmittanceRange** → ome:TransmittanceRange
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

rdfs:subClassOf

ome:EmissionFilter

- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:filterType** → ome:FilterType
- **ome:filteWheel** → string *string*
- **ome:transmittanceRange** → ome:TransmittanceRange
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

rdfs:subClassOf

ome:LightEmittingDiode

- **rdfs:label** → string *langString*
- **dct:identifier** → string *string*
- **rdfs:comment** → string *langString*
- **ome:power** → PATO:0001024
- **ome:manufacturer** → ome:Manufacturer
- **ome:model** → string *string*
- **ome:serialNumber** → string *string*
- **ome:lotNumber** → string *string*

ome:Correction

- **rdf:type** UV
- **rdf:type** plan neofluar
- **rdf:type** achromat
- **rdf:type** fl
- **rdf:type** fluor
- **rdf:type** plan apo
- **rdf:type** neo fluar
- **rdf:type** apo
- **rdf:type** fluar
- **rdf:type** violet corrected
- **rdf:type** achro
- **rdf:type** other
- **rdf:type** super fluor

ome:Immersion

- **rdf:type** air
- **rdf:type** glycerol
- **rdf:type** oil
- **rdf:type** water dipping
- **rdf:type** other
- **rdf:type** water
- **rdf:type** multi

rdfs:subClassOf

ome:ExcitationFilter

rdfs:label → string *langString*

dct:identifier → string *string*

rdfs:comment → string *langString*

ome:filterType → ome:FilterType

ome:filteWheel → string *string*

ome:transmittanceRange → ome:TransmittanceRange

ome:manufacturer → ome:Manufacturer

ome:model → string *string*

ome:serialNumber → string *string*

ome:lotNumber → string *string*

ome:FilterType

rdf:type — short pass
rdf:type — tuneable
rdf:type — other
rdf:type — long pass
rdf:type — multi pass
rdf:type — band pass
rdf:type — neutral density
rdf:type — dichroic

ome:Pulse

rdf:type — modeLocked
rdf:type — CW
rdf:type — q switched
rdf:type — other
rdf:type — single
rdf:type — repetitive

ome:Pump

rdfs:label → string *langString*

dct:identifier → string *string*

rdfs:comment → string *langString*

ome:TransmittanceRange

rdfs:label → string *langString*

dct:identifier → string *string*

rdfs:comment → string *langString*

ome:cutIn → PATO:0001242

ome:cutOut → PATO:0001242

ome:cutInTolerance → PATO:0001242

ome:cutOutTolerance → PATO:0001242

ome:transmittance → float *float*