

property	schema.org	Bioschemas	NIAID SysBio
applicationCategory	Text, URL	Text	Text
applicationSubCategory	Text, URL	Text, URL	Text, DefinedTerm
applicationSuite	Text	Text	NA
author	Organization, Person	Organization, Person	NA
citation	CreativeWork, Text	CreativeWork, Text	ScholarlyArticle
citation.name	Text	NA	Text
↳ citation.url	URL	NA	Text*
codeRepository	URL	NA	URL
contributor	Organization, Person	Organization, Person	NA
creator	Organization, Person	Organization, Person	Organization, Person*
↳ creator.name	Text	NA	Text*
dateModified	Date, DateTime	NA	Text
description	Text	Text*	Text*
discussionUrl	URL	URL	NA
downloadUrl	URL	URL*	NA
featureList	Text, URL	Text, URL	Text, DefinedTerm
funder	Organization, Person	Organization, Person	(see funding)
funding	Grant	NA	MonetaryGrant*
↳ funding.description	NA	NA	Text
↳ funding.funder	NA	NA	Organization*
↳ funding.funder.name	NA	NA	Text*
↳ funding.funder.parentOrganization	NA	NA	Text
↳ funding.identifier	NA	NA	Text*
↳ funding.url	NA	NA	Text
hasPart	CreativeWork	Dataset, URL	NA
healthCondition	MedicalCondition	NA	Text, DefinedTerm

identifier	PropertyValue, Text, URL	PropertyValue, Text, URL	Text*
infectiousAgent	Text	NA	Text, DefinedTerm
input	NA	FormalParameter	NA
isAccessibleForFree	Boolean	Boolean	NA
isBasedOn	CreativeWork, Product, URL	CreativeWork, Product, URL	NA
isPartOf	CreativeWork, URL	CreativeWork	NA
keywords	Text, URL	Text	NA
license	CreativeWork, URL	CreativeWork, URL	Text
name	Text	Text*	Text*
operatingSystem	Text	Text	NA
output	NA	FormalParameter	NA
programmingLanguage	ComputerLanguage, Text	NA	Text
provider	Organization, Person	Organization	NA
sameAs	URL	URL	NA
sdPublisher	Organization, Person	NA	Organization, Person
softwareAddOn	SoftwareApplication	SoftwareApplication	NA
softwareHelp	CreativeWork	CreativeWork	Creative Work
softwareVersion	Text	Text	Text
species	NA	NA	Text, DefinedTerm
thumbnailUrl	URL	URL	NA
url	URL	URL*	URL*

**Table 4.** Comparison of three ComputationalTool schema specifications: Schema.org, Bioschemas, and the infectious disease-specific NIAID SysBio ComputationalTool. Properties required in the schema are denoted by (\*). Note that Schema.org has additional properties not included in either Bioschemas or NIAID SysBio schemas which are omitted for simplicity.