

Applications of XML in the *Virtual Cell*

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ABSTRACT

The Extensible Markup Language (XML) is becoming a key aspect in most software packages, as many efforts are currently underway for creating and supporting new *e-Lingua Francas* for data communication and sharing. We present an XML schema for the Virtual Cell (VCML), intended as an internal format, that can then be easily transformed into other dialects via the Extensible Stylesheet Language Transformations (XSLT). The usage of the emerging XML standards (SBML/CellML) will allow us to easily share models with other software packages. The use of XML technologies eases the integration of independently developed modeling services, such as database mining tools. We are developing a generic comparison tool to be used for comparing Cellular models through their corresponding XML representation.

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