

A research associate level **language development specialist** to lead development of the Cell Behavior Ontology, Cell Behavior Model Specification Language and Cell Type Repository. The candidate will develop tools for the implementation – independent specification and sharing of multi-cell models and for the annotation of time-lapse imaging data sets; organize and lead language specification workshops; write language specifications for publication and discussion; maintain the developing language standard on a web portal; conduct community outreach and work closely with the developers of other ontologies and languages (particularly GO and SBML) to ensure interoperability. The applicant should be highly independent, have extensive experience in ontology or domain-specific language development, open-source community organization and workshop design. In addition, the applicant should have at least B.S. (M.S. or Ph.D. preferred) experience in developmental or cell biology and have shown a significant understanding of cell behavior phenomenology or time-lapse microscopy, as well as M.S. or Ph.D.-level expertise in language development. Experience in web and database design helpful.

Note: All applicants will work in an interdisciplinary team including toxicologists, geneticists, developmental biologists, computer-scientists, physicists and mathematicians to develop large-scale approaches to understanding the principles of development underlying teratogenicity, normal development and developmental diseases like cancer. Interest in regenerative biology and tissue engineering appreciated. Starting salary

range will be between \$30,000 and \$70,000 per year plus standard health insurance and retirement benefits. Salary dependant on experience and qualifications. Initial appointment for one year beginning Dec. 1, 2009, renewable for up to three years depending on performance and funding availability. Send CV, research summary and 2 papers or projects, along with a brief statement of relevance of background to position applied for, to Prof. James A. Glazier, glazier@indiana.edu The Biocomplexity Institute Multidisciplinary Science Building (MSP) 1 Simon Hall 047