



International Society for Advancement of Cytometry

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Ryan Brinkman's research is focused on flow cytometry bioinformatics: developing automated data analysis methods for large, high-dimensional datasets. Early work centered on creating the data standards and a free, open source computational infrastructure to support high throughput computational statistics. Building on the success of *flowClust* (the first robust automated gating approach), recent efforts have concentrated around developing complete analysis pipelines that cover all the steps from raw data to diagnosis and discovery. The R/BioConductor flow analysis platform now supports diverse collaborative research and patient care projects in cancer and immunology. Dr. Brinkman is also active in the community as Chair of ISAC's Data Standards Task Force, ISAC Councilor, organizer of the Flow Informatics and Computational Cytometry Society (FICCS.org) meetings and coordinating the Flow Cytometry: Critical Assessment of Population Identification Methods (FlowCAP.flowsite.org) Project. Dr. Brinkman is a Michael Smith Foundation for Health Research Scholar and previously an ISAC Scholar.