

Access to experimental data is the key factor for improvements of scientific reproducibility

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Preservation and public accessibility of primary experimental data are cornerstones necessary for the reproducibility of empirical sciences. We present the Integrated Resource for Reproducibility in Molecular Crystallography (IRRC). In its first six years, several hundred crystallographers have deposited thousands of datasets representing more than 5,800 indexed diffraction experiments. We will present several examples of the crucial role that original diffraction data played in improving previously determined protein structures.