Intl Tables for Crystallography Vol F1, Space-group Symmetry for Structural Biology

Eddy Arnold, *Center for Advanced Biotechnology and Medicine, and Department of Chemistry and Chemical Biology, Rutgers University, Piscataway, NJ, USA*. E-mail: arnold@cabm.rutgers.edu

A new International Tables for Crystallography (ITC) volume in preparation, *ITC Volume F1*, is intended to serve as a space-group reference for crystals containing chiral molecules such as those found in biological systems. The volume will contain the subset of *ITC Volume A* (Theo Hahn, editor) relevant to structural biology, namely 65 space groups and 24 Patterson groups. In addition, the volume will contain sections from Volume A that describe the interpretation and use of the space-group symmetry information, in a style similar to the *Brief Teaching Edition of Volume A*, also edited by Theo Hahn. Although targeted to meet the needs of structural biologists, *Volume F1* will provide a compact and relatively inexpensive compendium of space-group symmetry relevant to many fields, including organic, inorganic, and organometallic chemistry, and nanotechnology.

An important goal of current efforts on the ITC series is to make the volume contents electronically accessible and cross-referenced/hyperlinked so that logically connected material from different volumes can be easily linked to facilitate problem solving in research and education. Volume F1 will contain a summary of material in other ITC volumes relevant to crystallography of biological and other chiral molecules; the online version will provide convenient hyperlinks to enable efficient connectivity.

Keywords: International Tables, space-group symmetry, structural biology