

Resource Summary Report

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ISOLDE

RRID:SCR_025577

Type: Tool

Proper Citation

ISOLDE (RRID:SCR_025577)

Resource Information

URL: <https://tristanic.github.io/isolde/>

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Description: Software environment to ease task of building macromolecular models into low to medium resolution experimental maps. Physically realistic environment for model building into low-resolution electron-density maps. Can generate maps directly from crystallographic F/sigF data in MTZ format and automatically re-calculate them when model changes, and/or generate "static" maps from pre-calculated F/phi data.

Resource Type: software resource, software application

Defining Citation: [PMID:29872003](#)

Keywords: software environment, model building, building macromolecular models, low resolution electron density maps, experimental maps,

Funding: Wellcome Trust

Availability: Free, Freely available

Resource Name: ISOLDE

Resource ID: SCR_025577

License URLs: <https://tristanic.github.io/isolde/licensing/index.html>

Record Creation Time: 20240803T053302+0000

Record Last Update: 20260801T191321+0000

Ratings and Alerts

No rating or validation information has been found for ISOLDE.

No alerts have been found for ISOLDE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Lupton CJ, et al. (2026) Structure of the lysosomal KICSTOR-GATOR1-SAMTOR nutrient-sensing supercomplex. *Cell*.

Du B, et al. (2025) Molecular basis of human taurine transporter uptake and inhibition. *Nature communications*, 16(1), 7394.

Chen S, et al. (2025) Cryo-electron tomography reveals the microtubule-bound form of inactive LRRK2. *eLife*, 13.

Rose K, et al. (2025) In situ cryo-ET visualization of mitochondrial depolarization and mitophagic engulfment. *Proceedings of the National Academy of Sciences of the United States of America*, 122(31), e2511890122.

Houser A, et al. (2025) Structural insights into subunit-dependent functional regulation in epithelial sodium channels. *Structure (London, England : 1993)*, 33(2), 349.

Voss WN, et al. (2024) Hybrid immunity to SARS-CoV-2 arises from serological recall of IgG antibodies distinctly imprinted by infection or vaccination. *Cell reports. Medicine*, 5(8), 101668.

Senn KA, et al. (2024) Control of 3' splice site selection by the yeast splicing factor Fyv6. *eLife*, 13.

Pandey A, et al. (2024) Therapeutic Targeting and Structural Characterization of a Sotorasib-Modified KRAS G12C-MHC I complex Demonstrates the Antitumor Efficacy of Hapten-Based Strategies. *Cancer research*.