

Resource Summary Report

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PONDR

RRID:SCR_023691

Type: Tool

Proper Citation

PONDR (RRID:SCR_023691)

Resource Information

URL: <http://www.pondr.com/>

Proper Citation: PONDR (RRID:SCR_023691)

Description: Web tool to predict order and disorder from amino acid sequence. Used to predict of natural disordered regions in proteins.

Synonyms: Predictor of Natural Disordered Regions

Resource Type: data access protocol, software resource, web service

Defining Citation: [DOI:10.1016/S1093-3263\(00\)00138-8](https://doi.org/10.1016/S1093-3263(00)00138-8)

Keywords: amino acid sequence, predict sequence order and disorder, protein natural disordered regions prediction, protein,

Funding: NLM R01 LM06916;
NSF ;
DOE ;
MRC of Canada

Availability: Free, Freely available

Resource Name: PONDR

Resource ID: SCR_023691

Record Creation Time: 20230616T050221+0000

Record Last Update: 20260814T043108+0000

Ratings and Alerts

No rating or validation information has been found for PONDR.

No alerts have been found for PONDR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 171 mentions in open access literature.

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

Pu L, et al. (2026) ERG phase separation attenuates cellular senescence. *iScience*, 29(2), 114678.

Wang NM, et al. (2026) Case Report: A novel variant in fibrillin-2 identified in a congenital contractural arachnodactyly family with phenotypic heterogeneity. *Frontiers in medicine*, 13, 1828971.

Liu H, et al. (2026) Phase separation of OPTN initiates mitophagy to orchestrate craniofacial bone mineralization. *Autophagy*, 22(5), 1021.

Dong C, et al. (2026) Phase separation of Rht8-derived RNHL1 integrates ethylene and gibberellin signaling to regulate wheat internode elongation. *The Plant cell*, 38(4).

Ren C, et al. (2026) EGR1 Nuclear Condensates Promote Renal Cyst Development in Polycystic Kidney Disease. *Exploration (Beijing, China)*, 6(1), 20240285.

Wang J, et al. (2026) Disrupting SOX2 self-association and condensate formation to overcome chemotherapeutic drug resistance in lung squamous cell carcinoma. *Signal transduction and targeted therapy*, 11(1).

Zhao Y, et al. (2026) IDR-driven LLPS of GAS2L3 scaffolds CHMP4B condensates to accelerate cytokinesis in hepatocellular carcinoma cells. *Journal of advanced research*, 85, 455.

Li Q, et al. (2026) Phase Separation of NFIB Suppresses SLC3A2-Mediated Ferroptosis in Castration-Resistant Prostate Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(26), e15340.

Wang H, et al. (2026) Cold storage delays peach fruit softening via m6A reader PpYTHDFE1 liquid-liquid phase separation-mediated degradation of cell wall-loosening transcript PpEXP3. *Molecular horticulture*, 6(1).

Tomasini C, et al. (2026) Decoding the biogenesis of HIV-induced CPSF6 puncta and their fusion with nuclear speckles. *eLife*, 13.

Du Y, et al. (2026) Insect I-Type Lysozymes Function as Antiviral Proteases by Forming Biomolecular Condensates. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e14408.

Sharma N, et al. (2026) Phosphoregulation of RAD51AP1 function in homology-directed repair. *The Journal of biological chemistry*, 302(3), 111149.

Zhang X, et al. (2026) Transcriptional adapter ADA2 regulates yield and end-use quality through liquid-liquid phase separation in wheat. *Journal of integrative plant biology*, 68(7), 2128.

Lei J, et al. (2026) The Ubiquitin Ligase Zinc Finger SWIM Domain-Containing Protein 8 Regulates Oligodendrocyte Development Through the Argonaute2/MicroRNA-7 Axis. *Glia*, 74(5), e70142.

Richard C-A, et al. (2026) Functional minigenome system reveals polymerase features of swine orthopneumovirus. *Journal of virology*, 100(6), e0036326.

Yue Y, et al. (2026) ADA2 Forms Nuclear Condensates with GCN5 and ATP-Citrate Lyase (ACL) to Modulate H3K9 Acetylation at Genes Functioning in Rice Meristems. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(5), e13169.

Huang KW, et al. (2026) Disordered DNA-binding motif forms a modulation site for inhibiting the cancer immunotherapy target TREX1. *Nucleic acids research*, 54(2).

Chen J, et al. (2026) Reversible phase dynamics of PsAF5 regulate mitophagy to balance redox levels in *Phytophthora sojae*. *Science advances*, 12(3), eadz2785.

Long JY, et al. (2026) Identification of novel tumor protein 63 variant associated with split-hand/foot malformation and tooth agenesis. *Frontiers in medicine*, 13, 1811133.

Wei R, et al. (2026) FGF8-mediated TRIM16 regulation promotes K48-linked ubiquitination and degradation of RIG-I to facilitate Influenza A virus immune evasion. *Virulence*, 17(1), 2677346.