

Resource Summary Report

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CESG

RRID:SCR_008451

Type: Tool

Proper Citation

CESG (RRID:SCR_008451)

Resource Information

URL: <http://www.uwstructuralgenomics.org/>

Proper Citation: CESG (RRID:SCR_008451)

Description: It is a specialized research center supported by the Protein Structure Initiative (PSI) of the National Institute of General Medical Sciences (NIGMS), one of the National Institutes of Health (NIH). PSI is a federal, university, and industry effort aimed at dramatically reducing the costs and lessening the time it takes to determine a three-dimensional protein structure. The long-range goal of PSI is to solve 10,000 protein structures in 10 years and to make the three-dimensional atomic-level structures of most proteins easily obtainable from knowledge of their corresponding DNA sequences. CESG is located within the Department of Biochemistry at the University of Wisconsin-Madison (Madison, WI) and the Department of Biochemistry at the Medical College of Wisconsin (Milwaukee, WI). CESG develops new methods and technologies to address unique eukaryotic bottlenecks and disseminates its methodologies and experimental results to the scientific community worldwide through: :- Cell-Free Protein Production Workshops :- Plasmids at PSI Materials Repository :- Posters Presented at Scientific Meetings :- Publications in PubMed / PubMed Central :- Sesame (LIMS) Available for Researchers :- Solved Structures in the Protein Data Bank :- Technology Dissemination Reports They have welcomed requests by researchers to solve eukaryotic protein structures, particularly medically relevant proteins, through our Online Structure Request System for Researchers. They have solved many community-nominated targets and deposited information about these targets in public databases and published on our investigations and findings. Sponsors: CESG is supported by NIH / NIGMS Protein Structure Initiative grant numbers U54 GM074901 and P50 GM064598.

Abbreviations: CESG

Synonyms: Center for Eukaryotic Structural Genomics, The Center for Eukaryotic Structural Genomics

Resource Type: data or information resource, organization portal, portal

Keywords: eukaryotic, structural, genomics, research, center, protein, structure, medical, science, health, atom, dna, sequence, knowledge, biochemistry, technology, cell, plasmid

Resource Name: CESC

Resource ID: SCR_008451

Alternate IDs: nif-0000-30322

Record Creation Time: 20220129T080247+0000

Record Last Update: 20260905T133044+0000

Ratings and Alerts

No rating or validation information has been found for CESC.

No alerts have been found for CESC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Wang Z, et al. (2025) Epithelial and macrophage cell interaction in cervical cancer through single-cell RNA-sequencing and spatial analysis. *Frontiers in immunology*, 16, 1537785.

Alzoubaidi D, et al. (2020) Cryoballoon ablation for treatment of patients with refractory esophageal neoplasia after first line endoscopic eradication therapy. *Endoscopy international open*, 8(7), E891.

Ferhat M, et al. (2017) Antioxidant, anticholinesterase and antibacterial activities of *Stachys guyoniana* and *Mentha aquatica*. *Pharmaceutical biology*, 55(1), 324.

Miller S, et al. (2016) Long-term outcomes of occipital nerve stimulation for chronic migraine: a cohort of 53 patients. *The journal of headache and pain*, 17(1), 68.

Kim DJ, et al. (2015) Crystal structure of the protein At3g01520, a eukaryotic universal stress protein-like protein from *Arabidopsis thaliana* in complex with AMP. *Proteins*, 83(7), 1368.

Madono M, et al. (2011) Wheat germ cell-free protein production system for post-genomic research. *New biotechnology*, 28(3), 211.

Lundstrom K, et al. (2007) Structural genomics and drug discovery. *Journal of cellular and molecular medicine*, 11(2), 224.

Blommel PG, et al. (2006) High efficiency single step production of expression plasmids from cDNA clones using the Flexi Vector cloning system. Protein expression and purification, 47(2), 562.

Rayment I, et al. (2002) Small-scale batch crystallization of proteins revisited: an underutilized way to grow large protein crystals. Structure (London, England : 1993), 10(2), 147.