Resource Summary Report

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CAMO - Cell Adhesion Molecule Ontology

RRID:SCR_004392
Type: Tool

Proper Citation

CAMO - Cell Adhesion Molecule Ontology (RRID:SCR_004392)

Resource Information

URL: http://okcam.cbi.pku.edu.cn/ontology.php

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Description: CAMO (Cell Adhesion Molecule Ontology) is a set of standard vocabulary that provide a hierarchical description of cell adhesion molecules and their functions. We compiled a list for cell adhesion molecules by integrating Gene Ontology annotations, domain structure information, and keywords query against NCBI Entrez Gene annotations. Totally 496 unique human genes were identified to function as cell adhesion molecules, which is by far the most comprehensive dataset including cadherin, immunoglobulin/FNIII, integrin, neurexin, neuroligan, and catenin families. CAMO was constructed as a directed acyclic graph (DAG) using DAG-Edit to input, manage and update data. We annotated each term with name, definition and source references, as well as the relationship to other terms, based on manual reviews of domain architecture and functional annotations. If vertices represent terms and the relationships between terms are represented by edges, the terms in a DAG can be connected via a directed graph without cycles. CAMO thus provides a hierarchical description of functions of CAMs with five top-level categories: CAM gene families, CAM genetics, CAM regulation, CAM expression and CAM diseases. Each top-level term is further divided into several categories to describe the functions in detail.

Abbreviations: CAMO

Synonyms: Cell Adhesion Molecule Ontology

Resource Type: controlled vocabulary, ontology, data or information resource

Keywords: cell adhesion, molecule, function, cell adhesion molecule

Funding: NIDA

Resource Name: CAMO - Cell Adhesion Molecule Ontology

Resource ID: SCR_004392

Alternate IDs: nlx_40219

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250525T030822+0000

Ratings and Alerts

No rating or validation information has been found for CAMO - Cell Adhesion Molecule Ontology.

No alerts have been found for CAMO - Cell Adhesion Molecule Ontology.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Avinash A, et al. (2017) Chemometric analysis of cow dung ash as an adsorbent for purifying biodiesel from waste cooking oil. Scientific reports, 7(1), 9526.

Cortes-Tolalpa L, et al. (2016) Different inocula produce distinctive microbial consortia with similar lignocellulose degradation capacity. Applied microbiology and biotechnology, 100(17), 7713.