Resource Summary Report

Generated by NIF on Sep 2, 2026

MolGen

RRID:SCR_005700
Type: Tool

Proper Citation

MolGen (RRID:SCR_005700)

Resource Information

URL: http://www.molgen.de

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Description: The research of the group concentrates on the molecular biology of Gram-positive bacteria, with Bacillus subtilis and Lactococcus lactis as the main model organisms. A number of important (human) pathogens are also investigated: Bacillus cereus, Streptococcus pneumoniae and Enterococcus faecalis. The nature of the research is both fundamental and application-oriented. Transcript- and protein profiling by high-throughput technologies such as DNA microarrays and proteomics tools are being used. The very large data sets generated are analyzed by employing existing and novel bioinformatics tools. Major lines of research are in the field of functional genomics of these organisms, using systems- and synthetic biology approaches.

Abbreviations: MolGen

Synonyms: Molecular Genetics

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

Keywords: molecular biology, gram-positive bacteria, pathogen, transcript, protein, profile, high-throughput, dna microarray, proteomics, dna, microarray, functional genomics, bioinformatics, genetics, gene

Resource Name: MolGen

Resource ID: SCR_005700

Alternate IDs: nlx_149166

Old URLs: http://molgen.biol.rug.nl/molgen/index.php

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260829T182228+0000

Ratings and Alerts

No rating or validation information has been found for MolGen.

No alerts have been found for MolGen.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Deng Y, et al. (2025) Chemical Language Model Linker: Blending Text and Molecules with Modular Adapters. Journal of chemical information and modeling, 65(17), 8944.

Ido R, et al. (2025) A dynamic programming algorithm for generating chemical isomers based on frequency vectors. Scientific reports, 15(1), 22214.

Bsoul R, et al. (2025) Seeding amplification assay with Universal Control Fluid: Standardized detection of ?-synucleinopathies. PloS one, 20(6), e0326568.

Mazzarella MC, et al. (2025) Pilot study: a descriptive-retrospective analysis of SARS-CoV-2 variants distribution and phylogenesis in the Phlegraean area. Frontiers in molecular biosciences, 12, 1536953.

Bernhardt AM, et al. (2025) A quantitative Lewy-fold-specific alpha-synuclein seed amplification assay as a progression marker for Parkinson's disease. Acta neuropathologica, 149(1), 20.

Dane H, et al. (2025) Evidence of mycobacteriaemias and mycobacterial co-infections uncovered in cattle at slaughter using a novel phage-based PhMS-qPCR assay for viable Mycobacterium bovis and Mycobacterium avium subsp. paratuberculosis. Irish veterinary journal, 79(1), 2.

du Toit L, et al. (2024) The Effect of Dietary Nitrate on the Oral Microbiome and Salivary Biomarkers in Individuals with High Blood Pressure. The Journal of nutrition, 154(9), 2696.

Parrilla-Gutiérrez JM, et al. (2024) Electron density-based GPT for optimization and suggestion of host-guest binders. Nature computational science, 4(3), 200.

Flipse J, et al. (2024) Optimization of the STARlet workflow for semi-automatic SARS-CoV-2 screening of swabs and deep respiratory materials using the RealAccurate Quadruplex SARS-CoV-2 PCR kit and Allplex SARS-CoV-2 PCR kit. Microbiology spectrum, 12(2), e0329623.

Gerhards NM, et al. (2024) Porcine Airway Organoid-Derived Well-Differentiated Epithelial Cultures as a Tool for the Characterization of Swine Influenza a Virus Strains. Viruses, 16(11).

Vreman S, et al. (2023) Immune Responses and Pathogenesis following Experimental SARS-CoV-2 Infection in Domestic Cats. Viruses, 15(5).

Nozière B, et al. (2023) The reaction of organic peroxy radicals with unsaturated compounds controlled by a non-epoxide pathway under atmospheric conditions. Physical chemistry chemical physics : PCCP, 25(11), 7772.

Meester M, et al. (2023) Evaluation of Non-Invasive Sampling Methods for Detection of Hepatitis E Virus Infected Pigs in Pens. Microorganisms, 11(2).

Gerhards NM, et al. (2023) Efficient Direct and Limited Environmental Transmission of SARS-CoV-2 Lineage B.1.22 in Domestic Cats. Microbiology spectrum, 11(3), e0255322.

Stellmach C, et al. (2023) Creation of a structured molecular genomics report for Germany as a local adaption of HL7's Genomic Reporting Implementation Guide. Journal of the American Medical Informatics Association : JAMIA, 30(6), 1179.

Stokes W, et al. (2022) One Swab Fits All: Performance of a Rapid, Antigen-Based SARS-CoV-2 Test Using a Nasal Swab, Nasopharyngeal Swab for Nasal Collection, and RT-PCR Confirmation from Residual Extraction Buffer. The journal of applied laboratory medicine, 7(4), 834.

Stokes W, et al. (2021) Acceptable performance of the Abbott ID NOW among symptomatic individuals with confirmed COVID-19. Journal of medical microbiology, 70(7).

Torres JP, et al. (2021) Small-molecule mimicry hunting strategy in the imperial cone snail, Conus imperialis. Science advances, 7(11).

Stokes W, et al. (2021) Clinical performance of the Abbott Panbio with nasopharyngeal, throat, and saliva swabs among symptomatic individuals with COVID-19. European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology, 40(8), 1721.

Yirik MA, et al. (2021) Chemical graph generators. PLoS computational biology, 17(1), e1008504.