

Resource Summary Report

Generated by SPARC SAWG on Aug 16, 2026

KI Biobank - GEMS

RRID:SCR_005893

Type: Tool

Proper Citation

KI Biobank - GEMS (RRID:SCR_005893)

Resource Information

URL: <http://ki.se/en/imm/gems-genes-and-environment-in-multiple-sclerosis>

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Description: The study subjects invited to participate is chosen from the Swedish national Multiple Sclerosis registry and will number around 10 000 individuals to be included during two to three years. The same number of matched controls will also be included in the study. A pilot study with around 100 participants was performed during 2009, and the large scale study started in November 2009. Multiple sclerosis (MS) is a neurological disease that affects the central nervous system. It affects young people and the debut age is between 20 and 40 years. The disease comes with exacerbations but further on leads to disability. The incidence in Sweden is around 5 per 100 000 per year and the prevalence is 125 per 100 000 inhabitants. In total there are estimated around 13000 cases in Sweden and today 9000 of them are registered in the Swedish National Multiple Sclerosis register. Sample types * EDTA whole blood * DNA * Plasma Number of sample donors: 5592 (June 2010)

Abbreviations: KI Biobank - GEMS

Resource Type: biomaterial supply resource, material resource

Related Condition: Multiple sclerosis, Normal control

Resource Name: KI Biobank - GEMS

Resource ID: SCR_005893

Alternate IDs: nlx_149471

Old URLs: <http://ki.se/ki/jsp/polopoly.jsp?d=29348&a=103481&l=en>

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260815T182933+0000

Ratings and Alerts

No rating or validation information has been found for KI Biobank - GEMS.

No alerts have been found for KI Biobank - GEMS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Petersson M, et al. (2025) Nicotine, Alcohol Consumption, and Risk of Myasthenia Gravis: Results From the Swedish Nationwide GEMG Study. *Neurology*, 105(1), e213771.

Kawai Y, et al. (2025) Improving prediction accuracy of hospital arrival vital signs using a multi-output machine learning model: a retrospective study of JSAS-registry data. *BMC emergency medicine*, 25(1), 78.

Das R, et al. (2025) Impact of water, sanitation, and hygiene indicators on enteric viral pathogens among under-5 children in low resource settings. *The Science of the total environment*, 961, 178401.

Simmonds S, et al. (2025) Pharmaceutical prokinetic and surgical interventions have opposing effects on gastroduodenal electromechanical coupling. *Acta physiologica (Oxford, England)*, 241(5), e70024.

Aranganathan A, et al. (2025) Modeling Boltzmann-weighted structural ensembles of proteins using artificial intelligence-based methods. *Current opinion in structural biology*, 91, 103000.

Sultana AA, et al. (2025) Clinico-Epidemiological Characteristics of Symptomatic and Asymptomatic Enterotoxigenic and Enteropathogenic Escherichia Coli Diarrhea and Impact on Child Growth. *The American journal of tropical medicine and hygiene*, 113(1), 120.

Zheng P, et al. (2024) Remotely-delivered exercise training program for improving physical and cognitive functions among older adults with multiple sclerosis: Protocol for an NIH stage-I randomized controlled trial. *Contemporary clinical trials*, 144, 107636.