

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 10, 2025

OMGN

RRID:SCR_005781

Type: Tool

Proper Citation

OMGN (RRID:SCR_005781)

Resource Information

URL: <http://pmgn.vbi.vt.edu>

Proper Citation: OMGN (RRID:SCR_005781)

Description: The Oomycete Molecular Genetics Research Collaboration Network (OMGN) is a network for research collaboration for investigators interested in oomycete molecular genetics and genomics. The goals of the OMGN is to facilitate the integration of these investigators into the community and to further strengthen the cooperative culture of this community. A particular emphasis is placed on training and integrating junior faculty and faculty from institutions under-represented in the U.S. research infrastructure. Because of their economic impact as plant pathogens, molecular, genetic and genomics studies are well advanced in many oomycete species. These organisms have served as lead species for the entire Stramenopiles lineage, a major radiation of crown eukaryotes, distinct from plants, animals and fungi. The oomycete molecular genetics community has a strong culture of collaboration and communication, and sharing of techniques and resources. With the recent blossoming of genetic and genomic tools for oomycetes, many new investigators, from a variety of backgrounds, have become interested in oomycete molecular genetics and genomics. The proposed network is open to all researchers with an interest in oomycete molecular genetics and genomics, either at an experimental or a computational level. Investigators new to the field are always welcome, especially those interested in saprophytes and animal pathogens. Goals of OMGN # Provide training to oomycete molecular genetics researchers, especially those from smaller institutions, in the use of bioinformatics and genomics resources. # Promote the entry, participation and training of new investigators into the field of oomycete genomics, particularly junior faculty and faculty from institutions under-represented in the U.S. research infrastructure. # Promote communication and collaboration, and minimize duplication of effort, within the worldwide oomycete genomics community. # Support an Oomycete Genomics Resources Center to maintain and distribute training and research materials produced by community genomics projects. The network's activities have been supported by two grants from the NSF Research Collaboration Networks in Biology

program.

Abbreviations: OMGN

Synonyms: OMGN - Oomycete Molecular Genetics Research Collaboration Network, Oomycete Molecular Genetics Research Collaboration Network

Resource Type: training resource, data or information resource, community building portal, portal

Keywords: oomycete, molecular genetics, genomics, saprophyte, animal, pathogen, stramenopile

Funding: NSF EF 0130263

Resource Name: OMGN

Resource ID: SCR_005781

Alternate IDs: nlx_149251

Record Creation Time: 20220129T080232+0000

Record Last Update: 20250509T055733+0000

Ratings and Alerts

No rating or validation information has been found for OMGN.

No alerts have been found for OMGN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.