

Nominate Targets for Structure Determination

• The National Institute of Allergy and Infectious Diseases (NIAID) provides full support to CSGID and SSGCID to solve high resolution 3-D **protein** and **protein complex** structures for the scientific community related to infectious diseases.

Structure determination services--Free of Charge!!

- So far, more than **2200+** structures has been solved by two centers with public access to structures through PDB.
 - Centers offer gene to structure services including X-ray, CryoEM, and NMR
 - For list of high priority pathogen handled by each center visit:

<http://www.feinberg.northwestern.edu/sites/csgid/propose-target/index.html>

To submit a target request, please visit:

SSGCID <http://www.ssgcid.org/community-requests/>

CSGID [http://csgid-](http://csgid-submissions.org/CSGIDSubmissionPortal/)

[submissions.org/CSGIDSubmissionPortal/](http://csgid-submissions.org/CSGIDSubmissionPortal/)

Materials Available

Center generated materials are available for research purposes to all members of the scientific community free of charge.

• **Clones:** More than **13,000** cloned ORF expression constructs! Expression and solubility data are available online at www.ssgcid.org and www.csgid.org

• **Protein:** Almost **8,000** expressed and purified proteins!

The CSGID Consortium

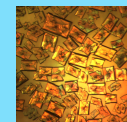
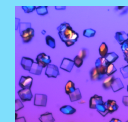


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**Free Gene-to-Structure
Services for the
Infectious Disease Scientific
Community**

Center for Structural Genomics of
Infectious Diseases (CSGID)

<http://www.csgid.org>

**Seattle Structural Genomics Center for
Infectious Disease (SSGCID)**

<http://www.ssgcid.org/>

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HHSN272201200059C (SSGCID)

Collaboration Possibilities

It is possible we are already working on a protein of interest to you.



We have **>20,000 proteins** already listed as center targets.

We have generated **265** peer-reviewed publications since 2007 and most of them are in partnership with outside collaborators.

If your favorite protein is in PDB and unpublished or listed as in progress in our database, we can partner with you by providing cloned genes on plasmids, purified protein, structural data, and biochemical functional study support.

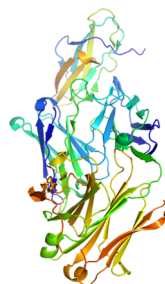
We welcome and encourage additional collaboration with the goal of using the structural information to further understand the biological function and role of the Centers' targets through to publication.

For list of our publications and collaborations visit our websites

Research Highlight

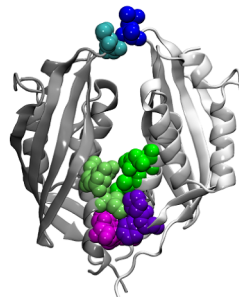
• **Response to emerging pandemics** is one of our critical missions.

Right: Zika specific antibody, ZV-64, BOUND TO Zika envelope DIII, PDB ID: 5KVF



• **Structure-guided therapeutic discovery** is a major theme of the centers.

Right: structure of the soluble domain of TrwG Type IV secretion machinery from *Bartonella grahamii*, PDB ID: 4NHF



• **Combating Antimicrobial Resistant Bacteria and STRucture-guided Influenza Vaccine InitiativeE** are our current priorities.

Check us out online!!!

at

www.ssgcid.org & www.csgid.org



Student Publishing Opportunity

We are actively recruiting teaching faculty and senior students who would like to learn or teach structural biology and scientific writing.

If you would like to support or mentor your undergraduate or graduate students in wet or dry lab, in literature research, structural data analysis and scientific writing, we provide our structural data, related materials and intellectual support for your publications.

We would love to provide assistance in independent studies and publications.

Find a Protein(s) you are interested in on our websites and contact CSGID or SSGCID project managers for details!!!!

Develop your students' writing skills, using our data

