



# 生物项目数据库（BioProject）使用说明

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## 数据库简介

生物项目数据库(BioProject)是收集与共享生物学研究项目信息的资源库，涵盖的项目类型包括常规组学研究的基因组、转录组、表观组和宏基因组等，并针对大型项目提供高效、安全、专业化的项目分级管理。

## 用户注册

用户可通过BIG Submission主页<https://bigd.big.ac.cn/gsub/>完成用户账号注册，建议[使用实验室公共邮箱进行注册](#)。如果您在账号使用过程中遇到任何问题，请联系[bigd-admin@big.ac.cn](mailto:bigd-admin@big.ac.cn)。

The screenshot shows the 'Register Form' page of the BIG Sub portal. At the top, there is a navigation bar with links for Databases, Tools, Standards, Publications, About, Sign in, Chinese, and English. Below the navigation bar, there are 'Login' and 'Register' buttons. The main form is divided into several sections:

- Account Login Information:** Fields for Email\*, Password\*, and Confirm password.
- Personal Information:** Fields for First Name\*, Middle Name, Last Name\*, Street Address\*, City\*, State/Province, Postal Code\*, and Country (dropdown menu showing Afghanistan).
- Institutional Information:** Fields for Institute/Organization\* (set to Beijing Institute of Genomics (BIG)), Department\*, Lab, Title/Position, and Research area.
- Action Buttons:** 'Submit' and 'Reset' buttons at the bottom right of the form.

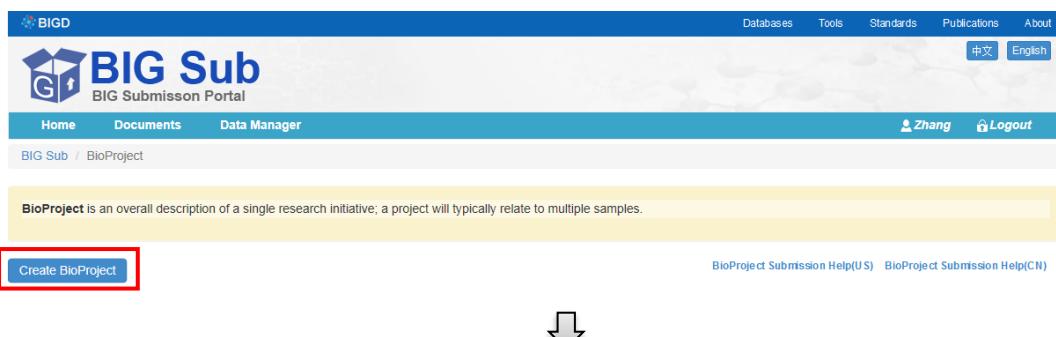
## BioProject 创建

账户注册完成后，即可进入 BIG Sub 统一递交入口，目前 BIG Sub 已集成 BioProject、BioSample、GSA、GWH、GVM、BioCode 等数据库的提交入口，如果用户需要向组学原始数据归档库（Genome Sequence Archive）、基因组序列库（Genome Warehouse）或基因组变异数据库（Genome Variation Map）递交数据，**必须先进入 BioProject 数据库创建 BioProject 并完成相关信息填写**，具体操作步骤如下：



The screenshot shows the BIG Sub submission portal interface. At the top, there is a navigation bar with links for Databases, Tools, Standards, Publications, and About. Language options (中文, English) are also present. Below the navigation bar, a banner states "本系统支持中英文双语言模式, 可随时自由切换". The main content area is titled "Select a data type to be submitted". It contains six options: BioProject (highlighted with a red box), BioSample, Genome Sequence Archive (GSA), Genome Warehouse (GWH), Genome Variation Map (GVM), and BioCode.

**注：**如果用户需要向生物信息工具库（BioCode）递交开源生物信息软件工具，可直接进入 BioCode 数据库按步骤进行工具递交。



The screenshot shows the "BioProject" creation page within the BIG Sub portal. The top navigation bar and language options are visible. The main content area includes a brief description of BioProject and a "Create BioProject" button, which is highlighted with a red box. A large downward arrow is positioned below the bioProject creation section.

Home Documents Data Manager

Zhang Logout

BIG Sub / BioProject / New BioProject

01 Submitter    02 General Information    03 Project Type    04 Publication    05 Overview

Submitter

\* First name: Zhang  
Middle name: middle name  
\* Last name: Sisi

\* Email: zhangss@big.ac.cn  
Email (secondary): secondary email

\* Organization: Beijing Institute of Genomics, Ch  
Organization website: http://www.big.ac.cn  
\* Department: BIG Data Center

Phone:  
Fax:

\* Street: Beichen West Road  
\* City: Beijing  
State/Province:

\* Postal code: 100101  
\* Country/Region: China

**Save and forward**



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General information

Release Date

Release immediately following curation (recommended)  
 Release on specified date

**Release Date 的设置时间，用户可根据项目需求进行设定，但最长不要超过 2 年**

Umbrella project

eGPS: evolutionary Genotype-Phenotype Systems biology  
MMDB:Molecular Module-based Designer Breeding Systems

\* Project title  
\* Relevance

\* Description

**目前本系统 Umbrella Project 功能只对中国科学院战略  
性先导科技专项开发，其他项目此项不必填写**

Grants

**请选择项目资金来源机构**

* Agency	Program	Grant ID	Grant title
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Add another grant**

**注意：机构（Agency）填写要点**

- 科技部项目（Ministry of Science and Technology of the People's Republic of China, MOST）：选中后**项目批准号必填**，填写格式

{year}+YF(A/B/C/D/E/F)+{XXXXXX0X}, 如 2016YFC0901600;

- **国自然项目 (National Natural Science Foundation of China, NSFC):** 选中后**项目批准号必填**;
- **中国科学院项目 (Chinese Academy of Sciences, CAS):** 选中后**项目批准号必填**;
- **其他 (other):** 如果是上面以外的项目请选择 other, 选中后**机构和项目批准号必填**;
  - **无资助项目 (No funding support):** 没有经费资助的研究请选填 No funding support 即可。



Project type

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\* Project data type

Whole genome sequencing  
 Clone ends  
 Epigenomics  
 Exome  
 Map  
 Metagenome  
 Phenotype or Genotype  
 Random survey  
 Targeted Locus (Loci)  
 Transcriptome or Gene expression  
 Variation  
 Genome sequencing and assembly  
 Raw sequence reads  
 Genome sequencing  
 Assembly  
 Metagenomic assembly  
 Proteome  
 Targeted loci culturing  
 Targeted loci environmental  
 Other

Project Data type 支持多选, Project Data type 列表中不包括的测序类型, 可以选择 other 并在 Project Data type description 中自行添加

Monoisolate: 同一物种且同一基因型样本集, 主要用于模式动物/植物或细胞系等

Multisolate: 同一物种的多基因型的个体样本集

Multi-species: 多物种样本集

Environment: 环境样本集, 样本的种类含量尚不清楚, 多用于宏基因组研究

Synthetic: 在实验室里制造/合成的样本集

Single cell: 单个细胞测序样本集

Other: 其他样本集/无法归入以上类别的特殊样本集

Save

Sample scope: Monoisolate (selected)

Research Topics & Projects    Featured Database Commons    Conferences & Training Conferences    About Us People





Publication

PubMed ID

OR

DOI

[Add another publication](#)

[Save and forward](#)



Overview

**Submitter**

Submitter	Zhang Sisi <a href="mailto:zhangss@big.ac.cn">zhangss@big.ac.cn</a>
Organization	Beijing Institute of Genomics, Chinese Academy of Sciences
Department	BIG Data Center
Country/Region	China
Address	Beichen West Road Beijing
Postal code	100101

**General information**

Project title	test
Relevance	Environmental
Description	11111
Release Date	2018-03-13

**Project type**

Project data type	Whole genome sequencing
	Metagenome
Sample scope	Multisolate

**Publication**

[Submit Project](#)

**点击 Submit Project 完成 BioProject 创建**



BIG Sub / BioProject

**BioProject** is an overall description of a single research initiative; a project will typically relate to multiple samples.

Create BioProject					<a href="#">BioProject Quick Start Guide(US)</a>	<a href="#">BioProject Quick Start Guide(CN)</a>
Accession	Submission ID	Project title	Release Date	Status	Operation	
PRJCA000647	subPRO000928	Metagenome_or_environmental	2019-04-15	checked OK	Public	
PRJCA000646	subPRO000927	Virus	2020-12-31	checked OK	confidential	<a href="#">ReleaseNow</a>
PRJCA000645	subPRO000926	Plant	2019-05-17	finished	confidential	<a href="#">Edit</a> <a href="#">Delete</a>

**注：**

1) 用户完成 BioProject 创建后，Status 状态为 Finish; Confidential，系统将自

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动为分配 **BioProject 序列号 (BioProject Accession)**: PRJC#, 如上图中的 PRJCA00645, 请在 [BIG Search](#) 检索信息时使用此编号。

- 2) 通常状况下, 数据信息审核时间为 1-2 天, **BioProject 审核状态不影响后续填写**。审核通过之后, BioProject 的 Status 状态为 Checked OK; Confidential。BioProject 发布后, Status 状态会变为 Checked OK; Public。

## BioProject 修改和删除

BioProject 信息审核通过之前（Status 状态为 Finish; Confidential），用户可通过 **Submission ID** 在总览界面，通过“Edit”键修改所创建的 BioProject；通过“Delete”键进行删除所创建的 BioProject。

BioProject 信息审核通过之后（Status 状态会变为 Checked OK; Confidential），如果您还希望需修改信息，请通过 [gsa@big.ac.cn](mailto:gsa@big.ac.cn) 邮箱联系数据库工作组。

The screenshot shows the BIG Sub BioProject Portal interface. At the top, there's a navigation bar with links for Home, Documents, Data Manager, and a user sign-in area. Below the navigation is a search bar with the placeholder "BIG Sub / BioProject". A yellow banner at the top states: "BioProject is an overall description of a single research initiative; a project will typically relate to multiple samples." The main content area displays a table titled "Create BioProject" showing a list of existing BioProjects. The table columns include Accession, Submission ID, Project title, Release Date, Status, and Operation. Several rows are shown, each with a green "ReleaseNow" button and red "Edit" and "Delete" buttons. Two specific rows are highlighted with red boxes around their "Edit" and "Delete" buttons. Below this table is a large downward arrow pointing to another screenshot of the portal. This second screenshot shows a "New BioProject" page with tabs for 01 Submitter, 02 General, 03 Project Type, 04 Publication, and 05 Overview. The "01 Submitter" tab is selected and highlighted with a red box. The "Submitter Information" section contains fields for First name (Zhang), Middle name (middle name), Last name (Sisi), Email (zhangss@big.ac.cn), Organization (Beijing Institute of Genomics, Chi), Organization website (http://www.big.ac.cn), Department (BIG Data Center), Phone, Fax, Street (Beichen West Road), City (Beijing), State/Province, Postal code (100101), and Country/Region (China). A red box highlights the "Save and forward" button at the bottom left of this section. To the right of the "Submitter Information" section is a bold red text instruction: "点击进入相应进度条进行项目信息修改" (Click to enter the corresponding progress bar to modify project information). Below this second screenshot is another large downward arrow.

Home Documents Data Manager **Welcome, Zhang-**

BIG Sub / BioProject / New BioProject

01 Submitter 02 General 03 Project Type 04 Publication 05 Overview

Overview

**Submitter Information**

Submitter	Zhang Sisi <a href="mailto:zhangss@big.ac.cn">zhangss@big.ac.cn</a>
Organization	Beijing Institute of Genomics, Chinese Academy of Sciences
Department	BIG Data Center
Country/Region	China
Address	Beichen West Road Beijing
Postal code	100101

**General Information**

Project title	Microbe
Relevance	Environmental
Description	test
Release Date	2020-03-31
Grants	Agency Program Grant ID Grant Title
	No funding support

**Project type**

Project data type	Whole genome sequencing
Sample scope	Multisolate

**Publication**

**Submit**

**最后点击“Submit”完成更新信息保存**

## BioProject 发布和挂起

如用户需要提前发布 BioProject 信息，可点击下图列表中“立即发布 (Release Now)”控件，完成提前释放(Status 状态会变为 Checked OK; Public)。此外，请注意当您 BioProject 关联的数据集发布后（包括 GSA、GWH 或是 GVM 数据集），与其关联的 BioProject 也将同时发布。

Accession	Submission ID	Project title	Release Date	Status	Operation
PRJCA000649	subPRO000930	MetagenomeMIMS.me_soil	2019-12-11	checked OK	Suppressed
PRJCA000648	subPRO000929	MetagenomeMIMS.me_human-gut	2019-05-08	checked OK	Public
PRJCA000647	subPRO000928	Metagenome_or_environmental	2019-04-15	checked OK	Public
PRJCA000646	subPRO000927	Virus	2020-12-31	checked OK	confidential
PRJCA000645	subPRO000926	Plant	2019-05-17	finished	confidential

BioProject 发布后，如发现其中信息有重大错误或由于其他原因不便发布时，可以申请“挂起 (Suppress)”。当 BioProject 挂起后，与其相关联的 BioSample 和 GSA 数据集也将被同时挂起，Status 状态会变为 Checked OK; Suppressed，用户仍可在提交系统内浏览 BioProject 信息（但无法修改）；而其他用户也将无法通过网页检索和浏览此 BioProject 相关数据信息。如需此方面服务，请通过 [gsa@big.ac.cn](mailto:gsa@big.ac.cn) 邮箱联系数据库工作人员。

Accession	Submission ID	Project title	Release Date	Status	Operation
PRJCA000649	subPRO000930	MetagenomeMIMS.me_soil	2019-12-11	checked OK	Suppressed
PRJCA000648	subPRO000929	MetagenomeMIMS.me_human-gut	2019-05-08	checked OK	Public
PRJCA000647	subPRO000928	Metagenome_or_environmental	2019-04-15	checked OK	Public
PRJCA000646	subPRO000927	Virus	2020-12-31	checked OK	confidential
PRJCA000645	subPRO000926	Plant	2019-05-17	finished	confidential



SIGN IN TO BIGD

BIG Sub  
BIG Submission Portal

Home Documents Data Manager

Welcome, Zhang -

BIG Sub / BioProject

BioProject is an overall description of a single research initiative; a project will typically relate to multiple samples.

Create BioProject

BioProject Quick Start Guide(US) BioProject Quick Start Guide(CN)

Accession	Submission ID	Project title	Release Date	Status	Operation
PRJCA000649	subPRO000930	MetagenomeMIMS.me_soil	2019-12-11	checked OK Suppressed	<b>BioProject 已挂起</b>
PRJCA000648	subPRO000929	MetagenomeMIMS me_human-gut	2019-05-08	checked OK Public	
PRJCA000647	subPRO000928	Metagenome_or_environmental	2019-04-15	checked OK Public	
PRJCA000646	subPRO000927	Virus	2020-12-31	checked OK confidential	<button>ReleaseNow</button>
PRJCA000645	subPRO000926	Plant	2019-05-17	finished confidential	<button>Edit</button> <button>Delete</button>