

# 生物项目数据库（BioProject）使用说明


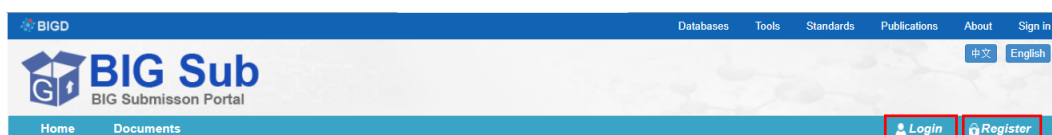
数据库简介.....	2
用户注册 .....	2
BioProject 创建.....	3
BioProject 修改和删除.....	7
BioProject 发布和挂起.....	9

## 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)。



**Register Form**

**Account Login Information**

Email\*

Password\*

Confirm password

**Personal Information**

First Name\*

Middle Name

Last Name\*

Street Address\*

City\*

State/Province

Postal Code\*

Country

**Institutional Information**

Institute/Organization\*

Department\*

Lab

Title/Position

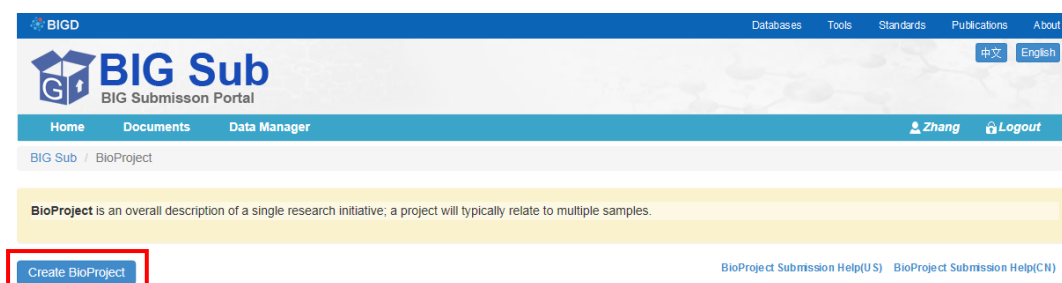
Research area

## 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：



**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。



## 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



## 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

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

\* Project title: \* Relevance:

\* Description:

Grants

\* Agency: Program: Grant ID: Grant title:

Add another grant

请选出项目资金来源机构

**注：**eGPS: evolutionary Genotype-Phenotype biology 为中科院 B 类先导专项动物复杂性状的进化解析与调控项；MMDB: Molecular Module-based Designer Breeding System 为中科院 A 类先导专项分子模块设计育种创新体系项目。

01 Submitter

02 General information

03 Project Type

04 Publication

05 Overview

Project type

\* 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 cultured

☐ Targeted loci environmental

☐ Other

\* Sample scope

Monoisolate

Monoisolate

Multisolate

Multispecies

Environment

Synthetic

Single cell

Other

Save

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

Research

Featured

Conferences & Training

About Us

Topics & Projects

Database Commons

Conferences

People

01 Submitter

02 General Information

03 Project Type

04 Publication

05 Overview

### Publication

PubMed ID

OR

DOI



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

Overview

Submitter

Submitter

Organization

Department

Country/Region

Address

Postal code

Zhang Sisi

zhangss@big.ac.cn

Beijing Institute of Genomics, Chinese Academy of Sciences

BIG Data Center

China

Beichen West Road Beijing

100101

General information

Project title

Relevance

Description

Release Date

test

Environmental

11111

2018-03-13

Project type

Project data type

Sample scope

Whole genome sequencing

Metagenome

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 [BioProject Quick Start Guide\(US\)](#) [BioProject Quick Start Guide\(CN\)](#)

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>

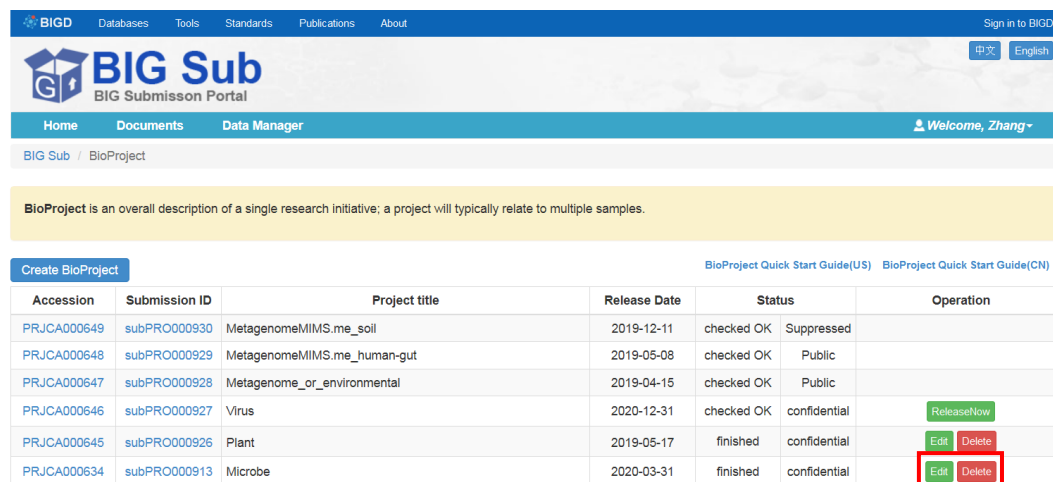
## 注：

- 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

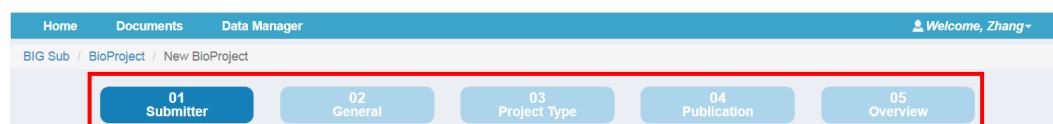
BioProject 信息审核通过之前 (Status 状态为 Finish; Confidential), 用户可通过 **Submission ID** 在总览界面, 通过 “**Edit**”键修改所创建的 BioProject; 通过 “**Delete**”键进行删除所创建的 BioProject。

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 portal interface. At the top, there's a navigation bar with links: BIGD, Databases, Tools, Standards, Publications, About, and a sign-in button. Below this is the 'BIG Sub' logo and 'BIG Submission Portal' text. A user welcome message 'Welcome, Zhang' is visible. The main content area has a breadcrumb 'BIG Sub / BioProject' and a description of BioProject. A 'Create BioProject' button is on the left. On the right, there are links for 'BioProject Quick Start Guide(US)' and 'BioProject Quick Start Guide(CN)'. The central part is a table with columns: Accession, Submission ID, Project title, Release Date, Status, and Operation. The table lists several projects, with the last two rows having 'Edit' and 'Delete' buttons in the Operation column, which are highlighted with a red box.

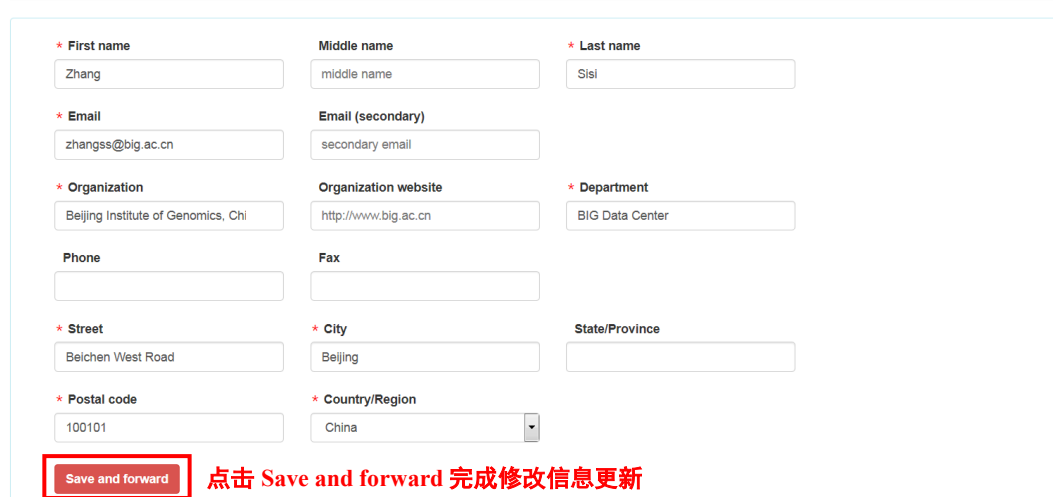
Accession	Submission ID	Project title	Release Date	Status	Operation
PRJCA000649	subPRO000930	MetagenomeMIMS.me_soil	2019-12-11	checked OK	Suppressed
PRJCA000648	subPRO000929	MetagenomeMIMS.me_human-gut	2019-05-08	checked OK	Public
PRJCA000647	subPRO000928	Metagenome_or_environmental	2019-04-15	checked OK	Public
PRJCA000646	subPRO000927	Virus	2020-12-31	checked OK	confidential
PRJCA000645	subPRO000926	Plant	2019-05-17	finished	confidential
PRJCA000634	subPRO000913	Microbe	2020-03-31	finished	confidential



The screenshot shows the 'New BioProject' page. At the top, there's a navigation bar with 'Home', 'Documents', and 'Data Manager'. Below this is the 'BIG Sub / BioProject / New BioProject' breadcrumb. A progress bar is shown with five steps: 01 Submitter, 02 General, 03 Project Type, 04 Publication, and 05 Overview. The '01 Submitter' step is highlighted with a red box.

Submitter Information

点击进入相应进度条进行项目信息修改



The screenshot shows the 'Submitter Information' form. It contains various input fields for personal and organizational information. The 'Save and forward' button at the bottom is highlighted with a red box.

\* First name: Zhang  
Middle name: middle name  
\* Last name: Sisi  
\* Email: zhangss@big.ac.cn  
Email (secondary): secondary email  
\* 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  
\* Country/Region: China

Save and forward



HomeDocumentsData Manager

Welcome, Zhang

BIG Sub / BioProject / New BioProject

01Submitter

02General

03Project Type

04Publication

05Overview

Overview

Submitter Information

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

General Information

Project title	Microbe
Relevance	Environmental
Description	test
Release Date	2020-03-31
Grants	
	AgencyProgramGrant IDGrant Title
	No funding support

Project type

Project data type	Whole genome sequencing
Sample scope	Multisolate

Publication

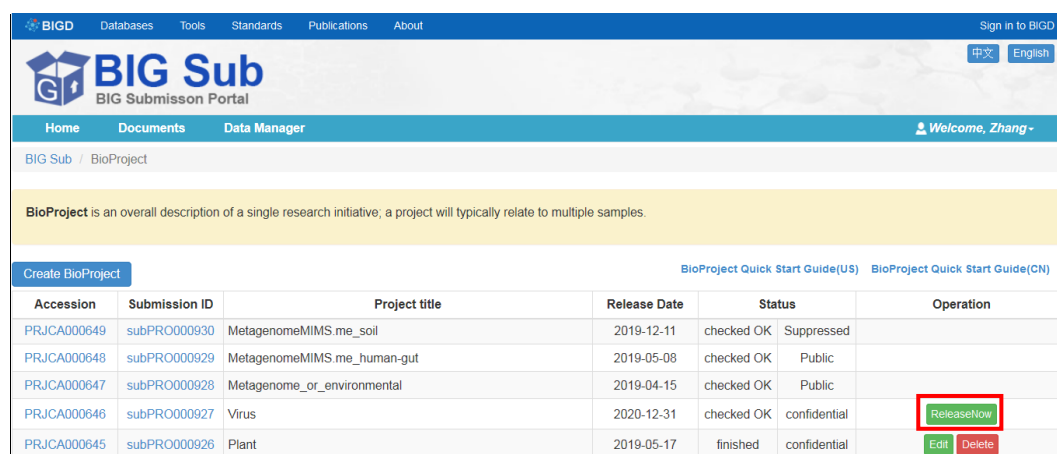
Submit

最后点击“Submit”完成更新信息保存



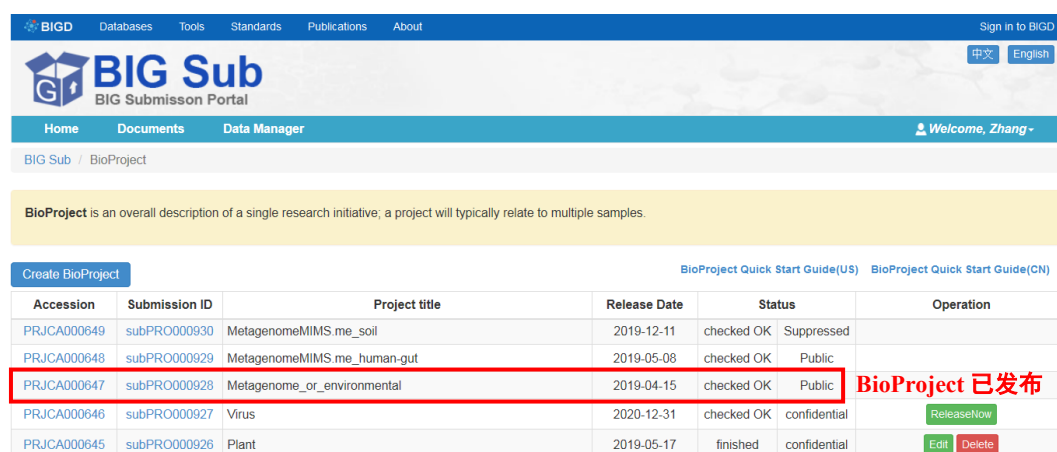
## BioProject 发布和挂起

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



[BIGD](#)
[Databases](#)
[Tools](#)
[Standards](#)
[Publications](#)
[About](#)

[Sign in to BIGD](#)

BIG Sub

BIG Submission Portal

[中文](#)
[English](#)

[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\(CN\)](#)