

China's human genetic resources information is provided or open to the outside world

### Filing Scope and Procedure

#### 1. Scope of filing

Applicable to the transfer of human genetic resources information to foreign organizations, individuals and their establishment or

Provided or open to use by an agency that actually controls.

The applicant unit should be a Chinese unit.

#### 2. Filing procedures

(1) Applicants log in to the online platform (website: <https://202.108.211.75>)

Submit the information backup, confirm that the backup is successful, and obtain the information backup number.

(2) After the information is backed up successfully, the applicant can log in to the online platform (URL:

<https://grats.most.gov.cn>) submit the filing materials online to get the filing number.

(3) After the applicant has obtained the record number, the information of human genetic resources can be sent to foreign countries.

Organizations, individuals and institutions established or actually controlled by them provide or open for use.

#### 3. Filing materials

Serial number	Name of submitted material	data type	Require
1	Filing Information Form	The signature	and seal of the electronic unit signature page.
2	Legal personality materials electronic		Legal person qualification materials include enterprise legal person business license or institution legal person certificate or private non-enterprise Industry unit registration certificate, etc.
3	China Human Genetic Resources International Cooperative scientific research approval decision	Electronic, if involved, shall be provided.	

Note: Please refer to Attachment 1-2 for the template of the filing information form.

attachment1

Chinese human genetic resource information provides or opens to use

Filing Information Form

(provided externally)

name: \_\_\_\_\_

Application unit: \_\_\_\_\_

Contact: \_\_\_\_\_

contact number: \_\_\_\_\_

Contact Email: \_\_\_\_\_

mailing address: \_\_\_\_\_

years Day

Ministry of Science and Technology of the People's Republic of China

#### Completion Instructions

1. The applicant unit should be a Chinese unit.

2. Applicants should carefully read the Regulations of the People's Republic of China on the Administration of Human Genetic Resources

"Example" "Chinese human genetic resource information provides or opens the scope of the filing and processes

Sequence", the contents of the record must meet the requirements.

3. The contents of the filing information form must be realistic, accurate and complete, and the levels are clear. Application

The person shall be responsible for the authenticity, accuracy, completeness and standardization of the filing materials.

4. The applicant fills in the filing information form online according to the prompts on the online platform. positive information

The text part should be filled in with the imitation Song Xiaoji characters, and the line spacing should be 1.5 times. Anything not filled in

content, please use "None". Foreign languages should be expressed in both the original and Chinese, and the foreign abbreviations should be used.

When it appears for the first time, the full name must be indicated.

1. Basic information table

name							
Information backup number							
Sources of information on human genetic resources		ý International cooperation scientific research on human genetic resources, approval decision book number/filing number: ý A non-human genetic resource international cooperation scientific research					
Ways to provide external		ýNetwork transmission ýPhysical storage medium ýOther (please specify) _____					
external time		_____ Year-Month to Year-Month _____					
Application unit	name				Social Unified Credit Code		
	legal representative				Competent department		
	unit location	_____ Province (Municipality, Municipality) Postal Code					
	mailing address						
	Unit Type	ýScientific research institutions ýUniversities ýMedical institutions ýEnterprises ýOther (please specify) _____					
principal	Name		gender		date of birth	years	
	company name						
	Job Title	ý Senior ý Deputy Senior ý Intermediate ý Primary ý Others					
	position		business expertise				
	contact number		E-mail				
Information receiving unit ý can be added ý	name	Chinese					
		English sentence					
	legal representative						
	mailing address						
	principal		contact number		E-mail		

2. Basic information (ÿFill in for international cooperative scientific research on non-human genetic resources)

Basic information on human genetic resources to be provided externally (type, size, source of human genetic resources information, etc., fill in the table below)

C number of sequence information types			Unit/ Specification	Detection unit

Note: 1. Information type: clinical data, such as demographic information, general laboratory examination information, etc.; imaging data, such as B-ultrasound, CT, PET-CT, MRI, X-ray, etc.; biomarker data such as diagnostic biomarkers, surveillance biomarkers, drug Efficacy/response biomarkers, predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk Biomarkers; genetic data such as whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome sequencing Genome methylation sequencing, lnc RNA sequencing, transcriptome sequencing, single-cell transcriptome sequencing, small RNA sequencing, etc.; protein data; metabolic data;

2. Total number of cases: Case, unit/specification: MB/case.

Biomarker data information situation

serial number	Biomarkers object name	total number of cases	unit/ Specification	Biomarker Data category	Detection unit

Notes: 1. Biomarker data categories: diagnostic biomarkers, monitoring biomarkers, pharmacodynamic/response biomarkers, Predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk biomarkers;

2. Total number of cases: Case, unit/specification: MB/case.

genetic data information

Sequence Number	Sequencing Type	Sequencing Depth	Sequencing platform (device model)	Sequencing unit

Note: 1. Sequencing type: whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome methylation

DNA sequencing, lnc RNA sequencing, transcriptome sequencing, single-cell transcriptome sequencing, small RNA sequencing;

2. Sequencing depth: the ratio of the total number of bases (bp) obtained by sequencing to the genome size (Genome);

3. The testing platform lists the device model;

4. Sequencing platform: BioelectronSeq 4000, Berry and Kang NextSeq CN500, MGI

MGISEQ-200, MGI MGISEQ-2000, MGI MGISEQ-T7, Illumina MiseqDx, Illumina MiSeq,

Illumina NextSeq 550, Illumina HiSeq 3000, Illumina HiSeq 4000, Illumina NovaSeq 6000 Download

An DA8600, others (with instructions).

### 3. Risk Analysis and Countermeasures

(Explain the security protection measures, capabilities and levels of the information receiving unit; possible risks include but are not limited to the risks of information being leaked, damaged, tampered, abused after external provision and re-transfer, and the analysis and countermeasures of possible intellectual property disputes )

4. Schedule for the external provision of human genetic resources information

Serial number	information type	total <small>number of cases</small>	unit/ <small>Specification</small>	information reception  unit	Storage  location/ URL	Ways to provide externally	use	final disposal

Note: 1. Information type: clinical data, such as demographic information, general laboratory examination information, etc.; imaging data, such as B-ultrasound, CT, PET-CT, MRI, X-ray, etc.; biomarker data, such as diagnostic Disruptive biomarkers, surveillance biomarkers, pharmacodynamic/response biomarkers, predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk biomarkers; Data such as whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome methylation sequencing, lnc RNA sequencing, transcriptome sequencing, single-cell transcriptome sequencing, small RNA sequencing, etc.; protein data; metabolic data;

2. Total number of cases: case, unit/specification: MB/case;

3. Methods of external provision: network transmission; physical storage medium; other, (with instructions);

4. Final disposal method: Destruction; Temporary storage (Storage time: ); Others (with instructions).

## 5. Unit signature

Unit opinion:

This unit is in accordance with the "Scope of Recordation for the External Provision or Open Use of China's Human Genetic Resources Information and Procedures, and carefully read and understand the Regulations of the People's Republic of China on the Administration of Human Genetic Resources

On the basis of relevant laws and regulations, strictly fulfill the legal person responsibility system and submit the filing materials. hereby solemnly accept

promise:

1. The authenticity, integrity, normative, and number of the entire content of the recorded materials

Review according to the accuracy of the information, and there is no false report, concealment or omission;

2. The filing materials comply with relevant laws such as the Regulations of the People's Republic of China on the Administration of Human Genetic Resources

Laws and regulations;

3. Provide information on Chinese human genetic resources to the outside world in strict accordance with the contents of the record;

4. There is no intellectual property dispute in the information provided to the outside world.

Signature of legal representative: (must have signature)

Unit official seal: (must have stamp)

year month day

### Attachment list

serial number	appendix
1	Documents on legal personality
2	Approval Decision for International Collaborative Scientific Research

Annex 2

China's human genetic resources information is provided or open to the outside world

Filing Information Form

(open for use)

name: \_\_\_\_\_

Application unit: \_\_\_\_\_

Contact: \_\_\_\_\_

contact number: \_\_\_\_\_

Contact Email: \_\_\_\_\_

mailing address: \_\_\_\_\_

year month day

Ministry of Science and Technology of the People's Republic of China

#### Completion Instructions

1. The applicant unit should be a Chinese unit.

2. Applicants should carefully read the Regulations of the People's Republic of China on the Administration of Human Genetic Resources

"Example", "Scope and Procedure of Recordation for the External Provision or Open Use of Human Genetic Resources in China"

Sequence", the contents of the record must meet the requirements.

3. The content of the filing information table must be realistic, accurate and complete, and clear. Application

People must be responsible for the authenticity, accuracy, integrity, and standardization of the filing materials.

4. The applicant fills in the filing information form online according to the prompts on the online platform. positive information

The text part should be filled in with the imitation Song Xiaoji characters, and the line spacing should be 1.5 times. Anything not filled in

content, please use "None". Foreign languages should be expressed in both the original and Chinese, and the foreign abbreviations should be used.

When it appears for the first time, the full name must be indicated.

## 1. Basic information table

name					
Information backup number					
Sources of information on human genetic resources		ýInternational cooperative scientific research of human genetic resources, approval decision document number/record number: <u>                    </u> ýInternational cooperative scientific research of non-human genetic resources			
Open to use		ýThesis publication, the title of the paper: <u>                    </u> , Journal: <u>                    </u> ýThe publication of the thesis, the name <u>                    </u> Publisher: <u>                    </u> of the thesis: ýInformation platform sharing, <u>                    </u> platform URL: ýConference release, conference <u>                    </u> , meeting time: year <u>      </u> month <u>      </u> day <u>      </u> name: ýOthers (please specify) <u>                    </u>			
Application unit	name			Social Unified Credit Code	
	legal representative			Competent department	
	unit location	<u>                    </u> Province (Municipality, Municipality) Postal Code			
	mailing address				
	Unit Type	ýScientific research institutions ýUniversities ýMedical institutions ýEnterprises ýOther (please specify) <u>                    </u>			
principal	Name		gender		date of birth
	company name				
	Title	ýSenior ý Deputy Senior ý Intermediate ý Primary ý Other			
	position		business expertise		
	contact number		E-mail		

2. Basic information (Fill in for international cooperative scientific research on non-human genetic resources)

Basic information on human genetic resources to be used openly (type, size, source, etc. of human genetic resources information, fill in the table below)

Serial number	information type	total number of cases	Unit/ Specification	Detection unit

Note: 1. Information type: clinical data, such as demographic information, general laboratory examination information, etc.; imaging data, such as B-ultrasound, CT, PET-CT, MRI, X-ray, etc.; biomarker data such as diagnostic biomarkers, surveillance biomarkers, drug Efficacy/response biomarkers, predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk Biomarkers; genetic data such as whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome sequencing Genome methylation sequencing, lnc RNA sequencing, transcriptome sequencing, single-cell transcriptome sequencing, small RNA sequencing, etc.; protein data; metabolic data;

2. Total number of cases: Case, unit/specification: MB/case.

Biomarker data information situation

serial number	Biomarkers object name	total number of cases	unit/ Specification	Biomarker Data category	Detection unit

Notes: 1. Biomarker data categories: diagnostic biomarkers, monitoring biomarkers, pharmacodynamic/response biomarkers, Predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk biomarkers;

2. Total number of cases: Case, unit/specification: MB/case.

genetic data information

Sequence	Number Sequencing	Type Sequencing	Sequencing Depth	Sequencing platform (device model)	Sequencing unit

Note: 1. Sequencing type: whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome methylation

Chemical sequencing, Inc RNA sequencing, transcriptome sequencing, single-cell transcriptome sequencing, small RNA sequencing; others (with description);

2. Sequencing depth: the ratio of the total number of bases (bp) obtained by sequencing to the genome size (Genome);

3. The test platform lists the device model;

4. Sequencing platform: BioelectronSeq 4000, Berry and Kang NextSeq CN500, MGI MGISEQ-200, MGI MGISEQ-2000, MGI MGISEQ-T7, Illumina MiseqDx, Illumina MiSeq, Illumina NextSeq 550, Illumina HiSeq 3000, Illumina HiSeq 4000, Illumina NovaSeq 6000 Download An DA8600, others (with instructions).

### 3. Risk Analysis and Countermeasures

(Possible risks include, but are not limited to, information disclosure, damage, tampering, abuse and other risks after open use and re-transfer, and the analysis and countermeasures of possible intellectual property disputes)

4. Plan for the Open Use of Human Genetic Resources Information

serial number	type of information	total <small>number of cases</small>	unit/ <small>Specification</small>	storage <b>Place</b>	store url/ coding	open way	use

Note: 1. Information type: clinical data, such as demographic information, general laboratory examination information, etc.; imaging data, such as B-ultrasound, CT, PET-CT, MRI, X-ray, etc.; biomarker data, such as diagnostic Disruptive biomarkers, surveillance biomarkers, pharmacodynamic/response biomarkers, predictive biomarkers, prognostic biomarkers, safety biomarkers, susceptibility/risk biomarkers;

Due to data such as whole genome sequencing, exome sequencing, target region sequencing, human mitochondrial sequencing, whole genome methylation sequencing, lnc RNA sequencing, transcriptome sequencing, single cell transcriptome sequencing, small RNA sequencing, etc.; protein data; metabolic data;

2. Total number of cases: Case, unit/specification: MB/case; 3.

Open access method: paper publication; monograph publication; information platform sharing; conference publication; others (please specify).

## 5. Unit signature

Unit opinion:

This unit is in accordance with the "Scope of Recordation for the External Provision or Open Use of China's Human Genetic Resources Information and Procedures, and carefully read and understand the Regulations of the People's Republic of China on the Administration of Human Genetic Resources On the basis of relevant laws and regulations, strictly implement the legal person responsibility system and submit filing materials. Hereby solemnly

promise:

1. This unit has confirmed the authenticity, completeness, normativeness and data of all the contents of the recorded materials.

Review according to the accuracy of the information, and there is no false report, concealment or omission;

2. The filing materials comply with relevant laws such as the Regulations of the People's Republic of China on the Administration of Human Genetic Resources

Laws and regulations;

3. In strict accordance with the contents of the record, open the use of Chinese human genetic resources information;

4. There is no intellectual property dispute in the information that is open to use.

Signature of legal representative: (must have signature)

Unit official seal: (must have stamp)

year month day

### Attachment list

serial number	appendix
1	Documents on legal personality
2	Approval Decision for International Collaborative Scientific Research