

# Package ‘metabolighteR’

November 18, 2019

**Type** Package

**Title** R Interface to the Metabolights RESTful API

**Version** 0.1.0

**Description** Access to the Metabolights RESTful API <<https://www.ebi.ac.uk:443/metabolights/ws>>.

**Depends** magrittr

**Imports** httr, dplyr, purrr

**License** GPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.0.0

**Suggests** covr, testthat, tibble

**NeedsCompilation** no

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get\_isa\_investigation *Get ISA Investigation File*

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**Description**

Get ISA Investigation File

**Usage**

```
get_isa_investigation(study_id, outpath)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
outpath	A character string of a filepath where the ISA Investigation '.txt' file will be saved to

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get\_private\_studies *Get Private Studies*

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**Description**

Get Private Studies

**Usage**

```
get_private_studies()
```

**Value**

a 'tibble' of your private Study IDs

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get\_studies *Get Studies*

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**Description**

Retrieve a list of all available MTBLS Study ID's

**Usage**

```
get_studies()
```

**Value**

a 'tibble' of Study IDs

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<code>get_study_contacts</code>	<i>Get Study Contacts</i>
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### **Description**

Get Study Contacts

### **Usage**

```
get_study_contacts(study_id)
```

### **Arguments**

`study_id`            a character string of a valid MTBLS study id

### **Value**

a ‘tibble’ of study contacts

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<code>get_study_desc</code>	<i>Get Study Description</i>
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### **Description**

Get Study Description

### **Usage**

```
get_study_desc(study_id)
```

### **Arguments**

`study_id`            A character string of a valid MTBLS study id

### **Value**

a character string of the study description

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get\_study\_descriptors    *Get Study Descriptors*

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**Description**

Get Study Descriptors

**Usage**

```
get_study_descriptors(study_id)
```

**Arguments**

study\_id            A character string of a valid MTBLS study id

**Value**

a ‘tibble’ of study descriptors

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get\_study\_factors        *Get Study Factors*

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**Description**

Get Study Factors

**Usage**

```
get_study_factors(study_id)
```

**Arguments**

study\_id            A character string of a valid MTBLS study id

**Value**

a ‘tibble’ of study factors

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get_study_files	<i>Get Study Files</i>
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**Description**

Get Study Files

**Usage**

```
get_study_files(study_id, raw_data = FALSE)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
raw_data	logical; if 'TRUE' then raw data file info is also returned. (Default is 'FALSE')

**Value**

a 'tibble' of file info

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get_study_meta	<i>Get Study Meta</i>
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**Description**

Get Study Meta

**Usage**

```
get_study_meta(study_id)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
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**Value**

a 'tibble' of study meta data

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get_study_protocols	<i>Get Study Protocols</i>
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**Description**

Get Study Protocols

**Usage**

```
get_study_protocols(study_id)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
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**Value**

a 'tibble' of study protocols

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get_study_pubs	<i>Get Study Publications</i>
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**Description**

Get Study Publications

**Usage**

```
get_study_pubs(study_id)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
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**Value**

a 'tibble' of study publicatons

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get_study_title	<i>Get Study Title</i>
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**Description**

Get Study Title

**Usage**

```
get_study_title(study_id)
```

**Arguments**

study_id	A character string of a valid MTBLS study id
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**Value**

a character string of the study title

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get_webservice	<i>Get Web-service details</i>
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**Description**

Get Web-service details

**Usage**

```
get_webservice()
```

**Value**

a list of the MTBLS webservice information

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`mtbls_key`*Set API Token*

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**Description**

Set your Metabolights API Token as global option. If 'MTBLS\_API\_KEY' is set in '.Renviron' then this variable will be passed directly to the 'MTBLS\_API\_KEY' option. If no 'MTBLS\_API\_KEY' is set in '.Renviron', then the API Token must be passed as an input in the 'set\_api\_token' function

**Usage**

```
mtbls_key(API_KEY = NULL)
```

**Arguments**

API\_KEY            a character string of your Metabolights API Token (Default is 'NULL')

**Examples**

```
## Not run:

# If API Token is set in `.Renviron`

mtbls_key()

# If API Token is not set in `.Renviron`

mtbls_key('XXXX-0000-XXXX-0000')

## End(Not run)
```



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