

Package ‘metabolighteR’

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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, xml2, rvest

License GPL (>= 3)

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Suggests covr, testthat

NeedsCompilation no

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get_isa_investigation *Get ISA Investigation File*

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

get_private_studies *Get Private Studies*

Description

Get Private Studies

Usage

```
get_private_studies()
```

Value

a 'tibble' of your private Study IDs

get_studies *Get Studies*

Description

Retrieve a list of all available MTBLS Study ID's

Usage

```
get_studies()
```

Value

a 'tibble' of Study IDs

<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

<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

get_study_descriptors *Get Study Descriptors*

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

get_study_factors *Get Study Factors*

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

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

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

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

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

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

Value

a character string of the study title

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

`set_api_token`*Set API Token*

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

```
set_api_token(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`

set_api_token()

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

set_api_token(API_KEY = 'XXXX-0000-XXXX-0000')

## End(Not run)
```


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