

# Package ‘BiocMaintainerApp’

February 22, 2026

**Title** View Bioconductor Package Maintainer Information Interactively

**Version** 0.99.0

**Description** This package allows interactive viewing of package maintainer information. The Bioconductor Package Maintainer Application sends yearly verification emails to accept Bioconductor policies; this application also depicts maintainer status on opting in and if the email is deemed valid.

**License** Artistic-2.0

**Depends** R (>= 4.6.0)

**Imports** shiny, jsonlite, DT, shinyjs, shinythemes

**Suggests** knitr, BiocStyle, testthat (>= 3.0.0)

**biocViews** Infrastructure, ShinyApps

**BugReports** <https://github.com/lshep/BiocMaintainerApp/issues>

**URL** <https://github.com/lshep/BiocMaintainerApp>

**Encoding** UTF-8

**VignetteBuilder** knitr

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Config/testthat/edition** 3

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|---------------------|----------------------------------------------------------------------------|
| BiocMaintainerShiny | <i>Launch Shiny application for Bioconductor Maintainer Validation App</i> |
|---------------------|----------------------------------------------------------------------------|

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Description

This shiny app allows exploration of package maintainers and validity of emails.

Usage

BiocMaintainerShiny(...)

Arguments

... Further arguments to the runApp function

Details

This shiny app allows exploration of package maintainers and validity of emails. The associated Bioconductor validation app sends a yearly reminder of Bioconductor policies that maintainers should opt-in. Th app also reflects the status of accepting policies and whether or not the email was reachable.

Value

Displays shiny app in browser

Author(s)

Lori Shepherd

**Examples**

```
if (interactive()) {  
  BiocMaintainerShiny()  
}
```

---

`getInfoByEmail`*Get Maintainer Information by Maintainer Email*

---

**Description**

Retrieves maintainer information by maintainer email

**Usage**

```
getInfoByEmail(email)
```

**Arguments**

`email`                      current Bioconductor package maintainer email

**Details**

Retrieves maintainer information by maintainer email

**Value**

data.frame of maintainer information including name, package, email, consent\_date, email\_status, is\_email\_valid

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- getInfoByEmail("maintainer@bioconductor.org")
```

---

`getInfoByName`*Get Maintainer Information by Maintainer Name*

---

**Description**

Retrieves maintainer information by maintainer name

**Usage**

```
getInfoByName(name)
```

**Arguments**

name                      current Bioconductor package maintainer name

**Details**

Retrieves maintainer information by maintainer name

**Value**

data.frame of maintainer information including name, package, email, consent\_date, email\_status, is\_email\_valid

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- getInfoByName("Lori Shepherd")
tbl <- getInfoByName("Hervé Pagès")
```

---

`getInfoByPackage`*Get Maintainer Information by Package Name*

---

**Description**

Retrieves maintainer information by package name

**Usage**

```
getInfoByPackage(packageName)
```

### Arguments

packageName      current Bioconductor package

### Details

Retrieves maintainer information by package name

### Value

data.frame of maintainer information including name, package, email, consent\_date, email\_status, is\_email\_valid

### Author(s)

Lori Shepherd

### Examples

```
tbl <- getInfoByPackage("BiocFileCache")
```

---

|                                  |                                        |
|----------------------------------|----------------------------------------|
| <code>get_maintainer_data</code> | <i>Retrieve Maintainer Information</i> |
|----------------------------------|----------------------------------------|

---

### Description

Retrieves maintainer information from the package maintainer validation app

### Usage

```
get_maintainer_data(  
  url = "https://pkgmaintainers.bioconductor.org/download-maintainer-db"  
)
```

### Arguments

url                      Url to retrieve data from whose data can be parsed with jsonlite::fromJSON

### Details

Retrieves maintainer information from the package maintainer validation app

### Value

data.frame of maintainer information

### Author(s)

Lori Shepherd

**Examples**

```
tbl <- get_maintainer_data()
```

---

**isEmailValid***Check if Maintainer Email is Valid*

---

**Description**

Retrieves if maintainer email is valid

**Usage**

```
isEmailValid(email)
```

**Arguments**

email                      current Bioconductor package maintainer email

**Details**

Retrieves if maintainer email is valid.

**Value**

list. All lists have attribute 'valid' which is TRUE/FALSE. If valid is FALSE, the list will also contain an attribute 'data' with additional diagnostic columns in the database. This includes: email, name, package, consent\_date, email\_status, is\_email\_valid, bounce\_type, bounce\_subtype, smtp\_status, diagnostic\_code. If no 'data' attribute is included, the email is not found in the database.

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- isEmailValid("maintainer@bioconductor.org")
```

---

|                  |                              |
|------------------|------------------------------|
| listAllBadEmails | <i>List All 'Bad' Emails</i> |
|------------------|------------------------------|

---

**Description**

Retrieves all 'bad' emails.

**Usage**

```
listAllBadEmails()
```

**Details**

Retrieves all 'bad' emails. A 'bad' email is either invalid or has not consented within the last year.

**Value**

character vector that lists all maintainer emails.

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- listAllBadEmails()
```

---

|                             |                                            |
|-----------------------------|--------------------------------------------|
| listEmailsOnSuppressionList | <i>List All Emails on Suppression List</i> |
|-----------------------------|--------------------------------------------|

---

**Description**

Retrieves all emails on AWS Suppression List

**Usage**

```
listEmailsOnSuppressionList()
```

**Details**

Retrieves all emails on AWS Suppression List

**Value**

list. First attribute is 'awssuppression' which is TRUE. Second attribute is 'data' which is a data.frame that includes the email and name.

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- listEmailsOnSuppressionList()
```

---

|             |                                |
|-------------|--------------------------------|
| listInvalid | <i>List All Invalid Emails</i> |
|-------------|--------------------------------|

---

**Description**

Retrieves all invalid emails

**Usage**

```
listInvalid()
```

**Details**

Retrieves all invalid emails

**Value**

data.frame of maintainer information for anyone with a currently identified invalid email. This includes: email, name, package, email\_status, is\_email\_valid, bounce\_type, bounce\_subtype, smtp\_status, diagnostic\_code. An email is designated invalid if the validation email failed to send either for a bounce or because it is on the AWS suppression list.

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- listInvalid()
```



---

|                  |                                              |
|------------------|----------------------------------------------|
| listNeedsConsent | <i>List All Maintainer that Need Consent</i> |
|------------------|----------------------------------------------|

---

**Description**

Retrieves all maintainers that need to consent to Bioconductor policies.

**Usage**

```
listNeedsConsent()
```

**Details**

Retrieves all maintainers that need to consent to Bioconductor policies. Bioconductor requires maintainers consent to Bioconductor policies once a year.

**Value**

character vector that lists all maintainer emails that need consent.

**Author(s)**

Lori Shepherd

**Examples**

```
tbl <- listNeedsConsent()
```

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