

# Package ‘BiocMaintainerApp’

April 30, 2026

**Title** View Bioconductor Package Maintainer Information Interactively

**Version** 1.0.0

**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/lsherp/BiocMaintainerApp/issues>

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

**Encoding** UTF-8

**VignetteBuilder** knitr

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Config/testthat/edition** 3

**git\_url** <https://git.bioconductor.org/packages/BiocMaintainerApp>

**git\_branch** RELEASE\_3\_23

**git\_last\_commit** aa7b1ed

**git\_last\_commit\_date** 2026-04-28

**Repository** Bioconductor 3.23

**Date/Publication** 2026-04-30

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## Contents

BiocMaintainerShiny . . . . .	2
getInfoByEmail . . . . .	3
getInfoByName . . . . .	4
getInfoByPackage . . . . .	4
get_maintainer_data . . . . .	5
isEmailValid . . . . .	6
listAllBadEmails . . . . .	7
listEmailsOnSuppressionList . . . . .	7
listInvalid . . . . .	8
listNeedsConsent . . . . .	9
<b>Index</b>	<b>10</b>

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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")
```

---

*get\_maintainer\_data*      *Retrieve Maintainer Information*

---

**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	<i>Check if Maintainer Email is Valid</i>
--------------	---

---

**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      List All 'Bad' Emails
```

---

**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  
      List All Emails on Suppression List
```

---

**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`      *List All Maintainer that Need Consent*

---

**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()
```

# Index

BiocMaintainerShiny, [2](#)

get\_maintainer\_data, [5](#)

getInfoByEmail, [3](#)

getInfoByName, [4](#)

getInfoByPackage, [4](#)

isEmailValid, [6](#)

listAllBadEmails, [7](#)

listEmailsOnSuppressionList, [7](#)

listInvalid, [8](#)

listNeedsConsent, [9](#)