



# The R Consortium 2020: adapting to rapid change and global crisis.

eRum 2020

Joseph Rickert - R Consortium



R Foundation Member



Platinum Members

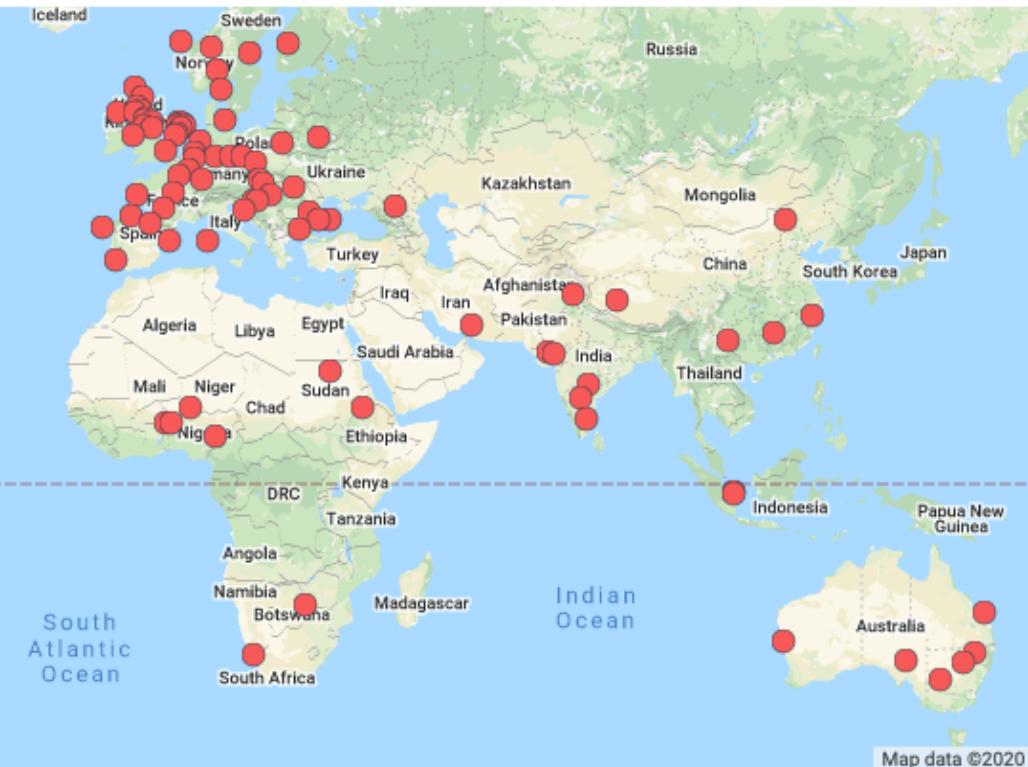
Genentech  GORDON AND BETTY MOORE FOUNDATION 

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# R: consortium

*Promoting the R language and leading initiatives in support of the R Community*

[Events Near Me](#) [Groups Near Me](#)[R-Ladies on YouTube](#)

# R – Ladies Global Meetups

- Quickly adapted to operating under the pandemic
- Have a protocol for sharing professional zoom account among members
- How to book:
  - Find time slot  
<https://calendly.com/r-ladies/online-meetup>)
  - You get Zoom link and a key

t R-Ladies Global Retweeted

**R-Ladies Bergen** @RLadiesBergen · Jun 7

R-Ladies Bergen is delighted to present a workshop on Troubleshooting R. The complexity of the task will be simplified thanks to a wonderful video explanation by [@JennyBryan](#). Co-host Julia will also present some basics of programming. Zoom link on Meetup



Troubleshooting R

Mon, Jun 15, 2020, 4:45 PM: This meeting is mostly for those who don't consider themselves experts in R and did not take programmin... [meetup.com](#)

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# RUGS Program

63,890

Total Members

▲ 2,052 joined in past 90 days

2,144

Total Events Hosted

77 hosted in past 90 days

- 93 Groups total
- 54 RUG grants this year
- 15 Conference grants
- \$36K + awarded



New Benefit:  
RUGS may borrow the R  
Consortium's professional  
zoom account:

To use account:

- Reserve on calendly
- Get permission
- Use link to hold meeting



- R-hub is a collection of services to help R package development, free for all members of the community thanks to support from the R Consortium.
- Its most prominent service is the package builder that allows building and checking any R package on several platforms and R versions, with submission happening via a webform or an R client.

R-Hub: <https://docs.r-hub.io/#package-builder>

Blog: <https://blog.r-hub.io/>



<https://www.pharmar.org/>

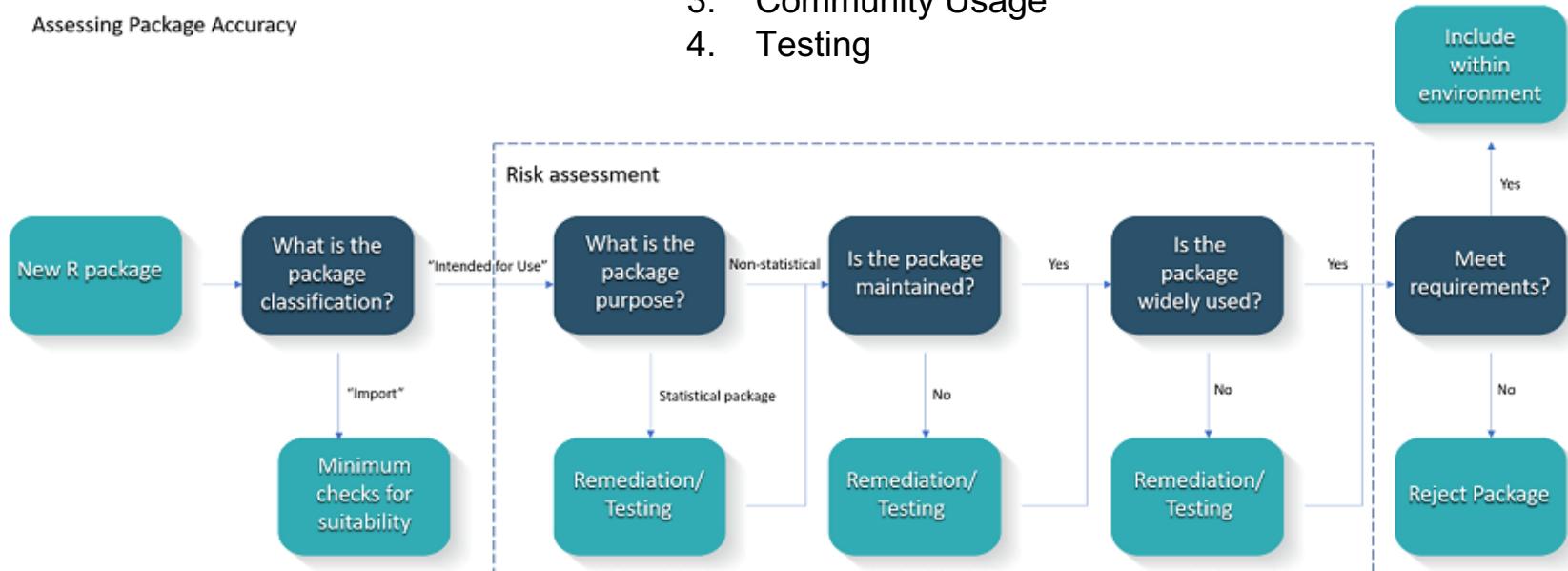
- A Pharma Industry initiative to:
  - Facilitate the use of R by the Bio-Pharmaceutical industry in regulatory setting
  - Provide tools to assist using R for submissions to the FDA and other regulatory agencies
- Over 100 members involved in the project
- First project: An R Package Risk Assessment Framework
  - White Paper: <https://www.pharmar.org/white-paper/>
  - The [riskmetric package](#) is the first step in implementing the white paper
  - Software: <https://github.com/pharmaR/riskmetric>
  - Prototype [package assessment App](#)

# The Validation Workflow

Assessing Package Accuracy

Criteria for assessing risk

1. Purpose
2. Maintenance
3. Community Usage
4. Testing



*Next steps: building out a testing framework*

# The COVID-19 Data Forum



Sponsored by the R Consortium and  
Stanford's Data Science institute

Organizers:

[John Chambers](#) - Stanford

[Alison Hill](#) - Harvard

[Michael Kane](#) - Yale

[Chris Mentzel](#) - Stanford Data Science

[Balasubramanian Narasimhan](#) - Stanford

[Joseph Rickert](#) - R Consortium

COVID-19 Data Forum: A series of multidisciplinary, online meetings for topic experts to focus on data-related aspects of the scientific response to the pandemic, including data access and sharing, essential data resources for analysis, and how we can best support decision making. The webinars are public and all are welcome.

# First Webinar 5/14/2020



[Watch the video](#)

- Alison Hill - *Modeling COVID19 spread and control: Data needs and challenges*
- Ryan Hafen - *Collecting and Visualizing COVID-19 Case Count Data from Multiple Open Sources*
- Orhun Aydin - *Spatial and Space-Time Data on COVID-19* by Orhun Aydin
- Noam Ross - *Genomic data and the emergence of new diseases*

# COVID-19 Data Forum Event (Discussion)

## Use of Data

- Short term forecasting
- Contract tracing
- Leading Indicators
- Test accuracy
- Virus transmission
- Inform health policies

## Types of Data

- Case counts
- Daily new cases
- Mobility
- Patient level
- Surveys
- Spatial data
- Resource (PPE, beds)

## Data issues

- Lag: infections & hospitalizations
- Updating
- Stability
- Privacy

## Organizational Issues

- Collaboration
- Standards
- Sharing
- Ownership

# ISC Funding 2020

## Part 1

- 7 projects funded
- \$105K total

Thibaut Jombart

RECON COVID-19 Challenge:

aims to bring together the infectious disease modelling, epidemiology and R communities to improve analytics resources for the COVID-19 response via a website which will provide a platform to centralize, curate and update R development tasks relevant to the COVID-19 response.

[Read more](#)



August 27 – 29, 2020

Virtual Conference

[r-medicine.com](http://r-medicine.com)

Virtual – but better



[rinpharma.com](http://rinpharma.com)

# Become a Member Today



Members Projects About News



## R Foundation Member



## Platinum Members



## Silver Members





ABOUT US INVENTING FOR LIFE PRODUCTS RESEARCH LICENSING NEV

We are one company, Merck & Co., Inc., Kenilworth, New Jersey, USA but we operate under  
We are known as Merck in the United States, Canada & Puerto Rico. We are known as MSC

## Associate Principal Scientist, Statistical Programmer

### Job Description

Our Quantitative Sciences team uses big data to analyze the safety and efficacy claims of our potential medical breakthroughs. We review the quality and reliability of clinical studies using deep scientific knowledge, statistical analysis and high-quality data to support decision making in clinical trials.

This position supports the design, development, and delivery of efficient, flexible, and modular analysis and reporting and submission standards that can be used for drug and/or vaccine projects across all therapeutic areas. Adheres to standard operating procedures and guidelines established by the department. Drives data structures which includes analysis and reporting data standards and submission standards and actively contributes to the department's strategic initiatives.

### Primary Responsibilities:

- Develop and validate global programming standards for efficacy analysis and reporting.
- Develop and validate global programming standards for safety analysis and reporting.
- Design and develop complex programming algorithms in R, R shiny, and its ecosystem.
- Provide technical consultation and analytical support to statistical programmers and statisticians in R, R shiny, and its ecosystem.
- Represent our Company on relevant industry initiatives including R Consortium, TransCelerate, PHUSE,

<https://jobs.merck.com/us/en/job/R55261/Associate-Principal-Statistical-Programmer>

# Thank You

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@RStudioJoe

Slides available:  
[github.com/joseph-rickert/eRum2020](https://github.com/joseph-rickert/eRum2020)

