

# Using Treebase from R

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*Informatics tools must reflect  
current research methods*

Thank you

# Graduate Student

# Methods developer

# Teacher

# Bodega Phylogenetics Workshop

<http://bodegaphylo.wikispot.org/>



# Bodega Phylogenetics Workshop

No informatics software



# Bodega Phylogenetics Workshop

almost no internet

# Bodega Phylogenetics Workshop

almost no internet (we're fixing that)

# Bodega Phylogenetics Workshop

Students required to bring their own data.

# Bodega Phylogenetics Workshop

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- Tools the community could run with

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```
search_treebase('Derryberry', 'author')[[1]]->tree  
plot(tree); metadata(tree$S.id)  
yule2rate(branching.times(tree))
```

# Into the hands of user/developer community

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Scott Chamberlain



@recology\_

# Now in the works

- Dryad API
- Mendeley, PLoS, Springer APIs
- EoL API
- ...

# Thanks

## Collaborators

- Scott Chamberlain (Rice)
- Duncan Temple-Lang (UC Davis, R-project)

## Advice & Support

- Todd Vision, Rutger Vos, Bill Peil, Hilmar Lapp
- TreeBASE & Dryad developer lists

## Making it possible

- Peter Wainwright (interested mentor)
- Alan Hastings (advisor)
- CSGF (funding)

<https://github.com/cboettig/treeBASE>

