

# BAT 1K



## Mission

Bat1K is a global initiative that aims to sequence the genomes of all >1400 living bat species. These assemblies will be open access and publicly available.

Our consortium will also generate genomic tools to uncover the genetic mechanisms behind the unique traits and extraordinary adaptations of bats.

**We are a vibrant community of individuals united by a common drive to conserve, better understand, and promote bats!**



## What we do

- provide genomic resources
- provide protocols with best practices
- connect all kinds of bat enthusiasts
- facilitate new collaborations and help with the formation of working groups
- get junior and senior researchers involved
- facilitate best use of already available bat samples
- avoid any disruption to bat populations
  - establish protocols for genomic analyses of endangered species (in progress!)
  - make use of bats that have to be euthanized
- promote bat conservation and a positive perception of bats
- organize online conferences
- make everything open access



**BECOME A MEMBER**

## Our consortium

### Bat1K directors



Emma Teeling



Sonja Vernes

### Executive committee



Liliana Davalos



Gene Myers



David Ray



Michael Hiller

### Steering committee



Nancy Simmons



Fred Frick



Karen Sears



Stephen Rossiter



Sebastien Puechmaile



Burton Lim



Aaron Irving



Kendra Phelps

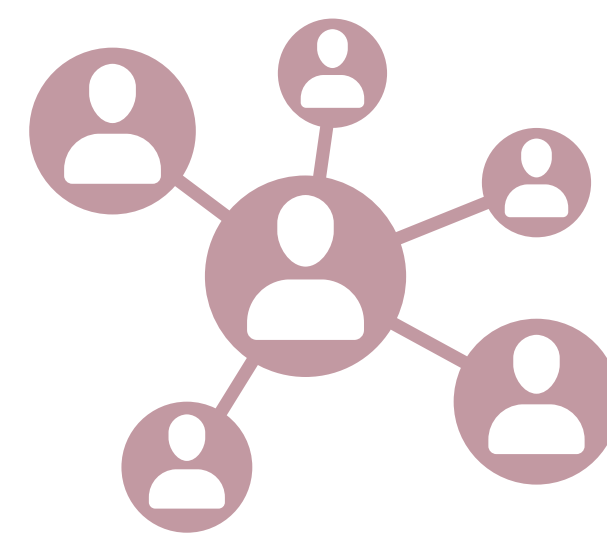


Huabin Zhao

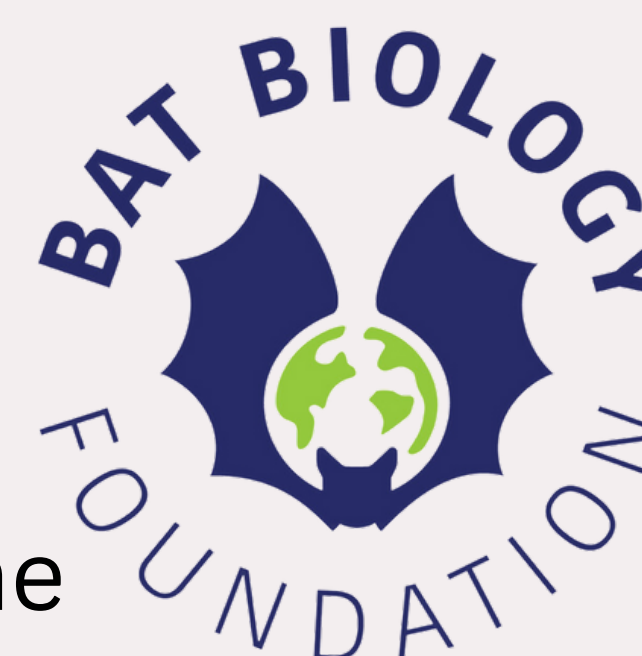
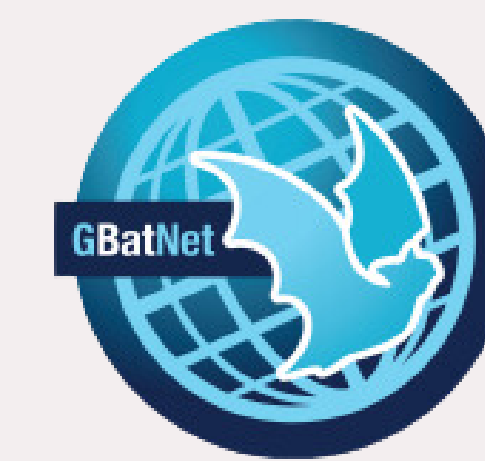


Emma Stone

Our project is only possible with the support of our **~406 members!** This includes researchers, volunteers, students and bat lovers throughout the globe. We also have **17 regional chairs** representing and connecting Bat1K globally



## Major partners



In partnership with Bat1K, the **Bat Biology Foundation (BBF)** launched its **Grant Program** to **fund selected field work projects!** Visit their site for details through the QR code



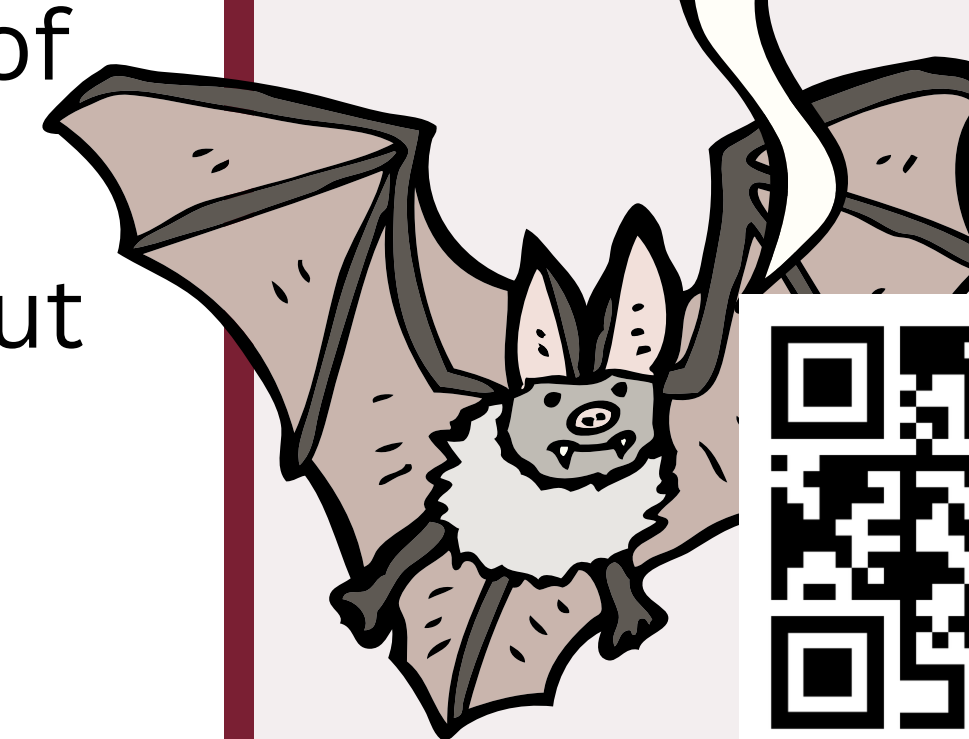
In collaboration with the **Wellcome Sanger Institute** and the **Darwin Tree of Life project**, Bat1K is collecting samples for sequencing of bats that have to be euthanized due to lethal injuries. We therefore work with rehabbers across the UK and Europe.

Are you interested to participate? Contact our project coordinator Meike Mai

[bat1kconsortium@gmail.com](mailto:bat1kconsortium@gmail.com)



visit our website!



## Genome sequencing

TISSUE COLLECTION - SEQUENCING - 3.4.2040  
ASSEMBLIES - ALIGNMENT - ANNOTATION

PILOT STUDY

6 Species

PHASE 1

~ 21 Families

PHASE 2

~ 220 Genera

PHASE 3

~ 1288 Species

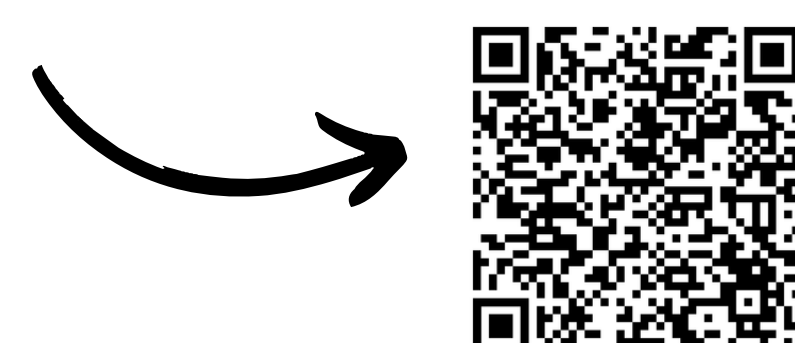
**We are reaching Phase 2 and upload our published data to NCBI!**

**View the current sequencing status**



## Get involved!

We invite you to work with the ~130 genomes in progress to analyze the data on these and topics of your research interest! **Join a workinggroup or suggest a new topic!**



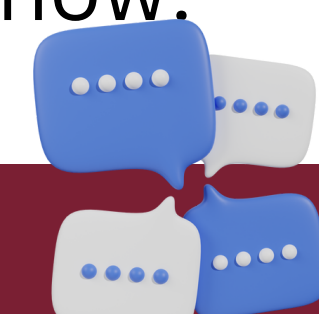
### How are Bat1K genomes useful for conservation?

Examples:

- guide interpretation of population variation across the genome
- investigate timing and depth of population size changes
- provide genomic context for population viability
- ....what are your ideas? Let us know!



@bat1kgenomes - Follow us to stay up to date on all things Bat1K



join our Slack channel to get in touch with the community