

# LocText





# HELLO!

## I am Madhukar

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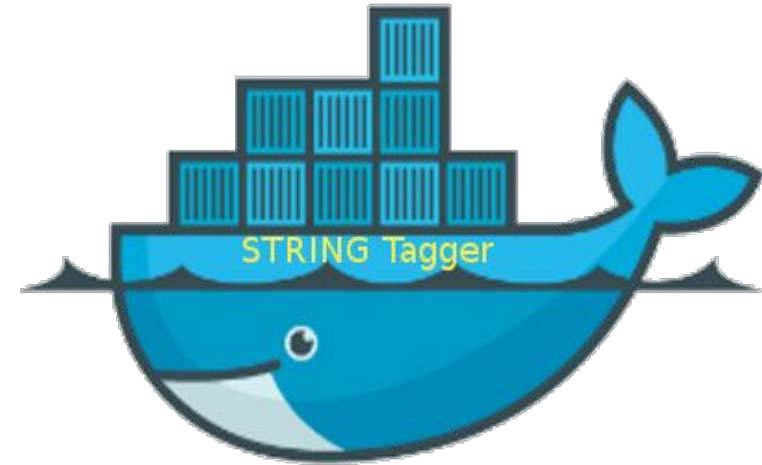
Madhukar Shankar, TUM

# One sentence pitch

A learning algorithm that extracts the semantic relationship between **proteins** and their **subcellular localization** from scientific literature.

## 5 What is the status? ( LocText )

- ▶ Docker: Runs STRING Tagger
  - ▶ Input: Scientific literature
  - ▶ Output: **Proteins** and **compartment**
- ▶ Extract localization relationships between proteins and compartments.



● **TP53** R72P polymorphism modulates DNA methylation in **hepatocellular carcinoma**

## LocText: Ultimate goal

- ▶ Helps in the prediction of as many annotations as possible.
- ▶ Publicly available

<https://github.com/Rostlab/nalaf>

**GitHub**



- ▶ Open source

**PubAnnotation** REPOSITORY SEARCH  
*Make your annotation public, and more useful!*

> top

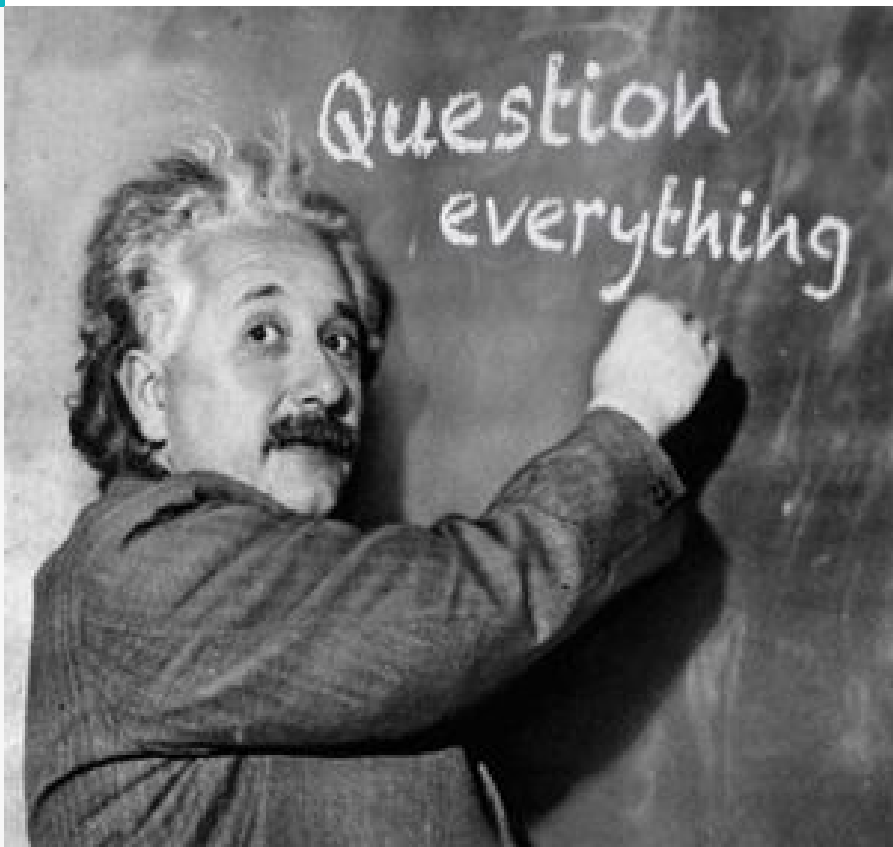
**Documents**

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PubMed	8,424,6...	<input type="text" value="keywords"/> <input type="button" value="Q"/>	<input type="text" value="source ID"/> <input type="button" value="📄"/>
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**Projects (146)**

**With most annotations**

Name		# Ann.	Updated At	Status
LocText		15,437,7...	2016-12-31	Released
PubmedHPO		12,437,7...	2016-01-31	Uploading
DisGeNET		3,117,504	2016-01-28	Beta
NEUROSES		2,151,082	2016-02-24	Beta
CRAFT-treebank		844,123	2015-11-19	Beta
bionlb-st-ae-2016-spacv-...		225.680	2016-05-25	Released



# THANKS!

## Any questions?

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