MODOC: A Modularized Interface for Flexible Interlinking of Text Retrieval and Generation Functions

Demonstration Guideline for ACL 2024 submission

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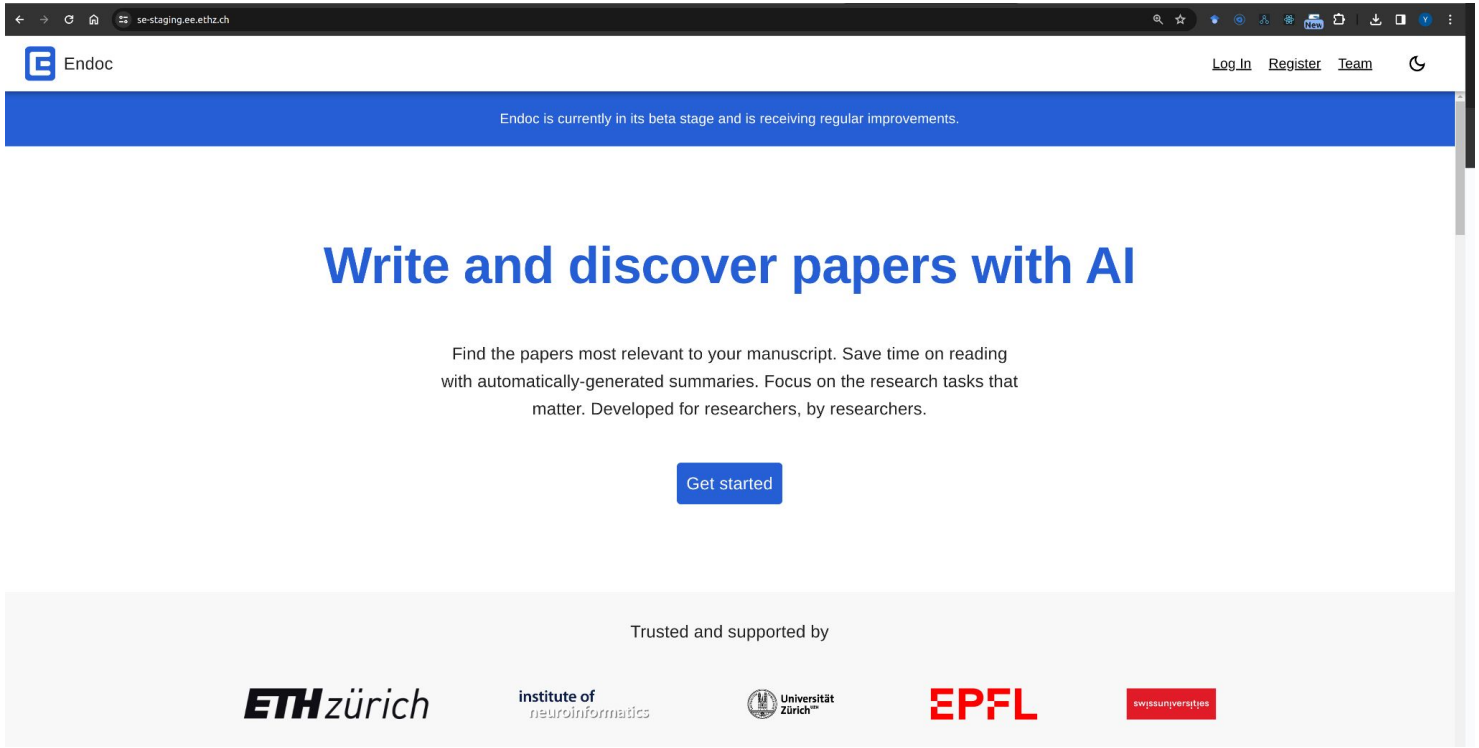
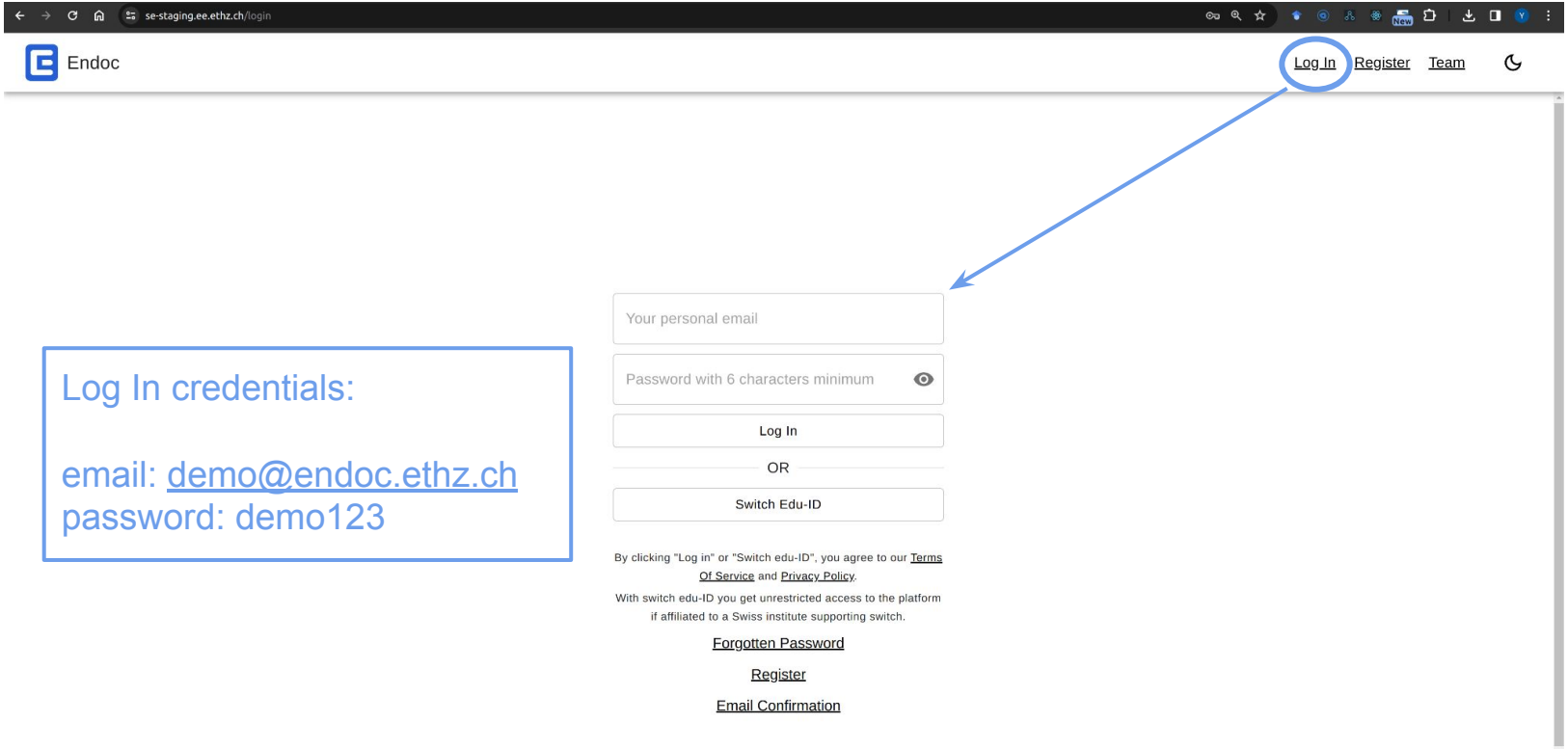
Log in and Get started

Visit https://se-staging.ee.ethz.ch/



Log in and Get started

Use the provided log in credentials

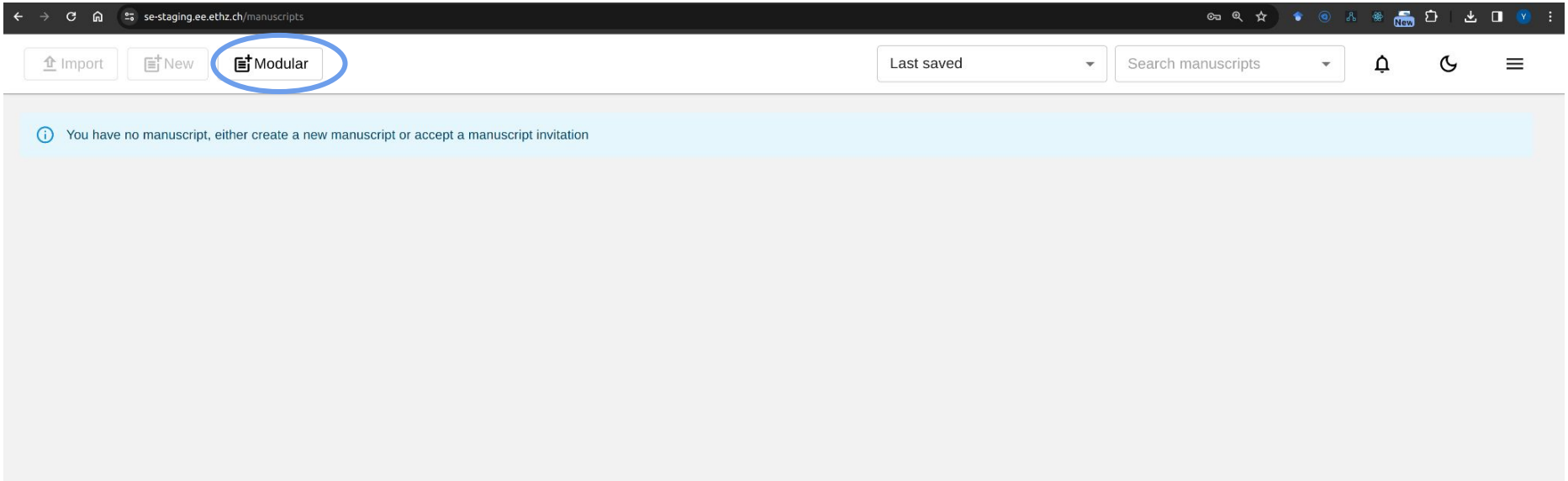


Log In credentials:

email: demo@endoc.ethz.ch
password: demo123

Log in and Get started

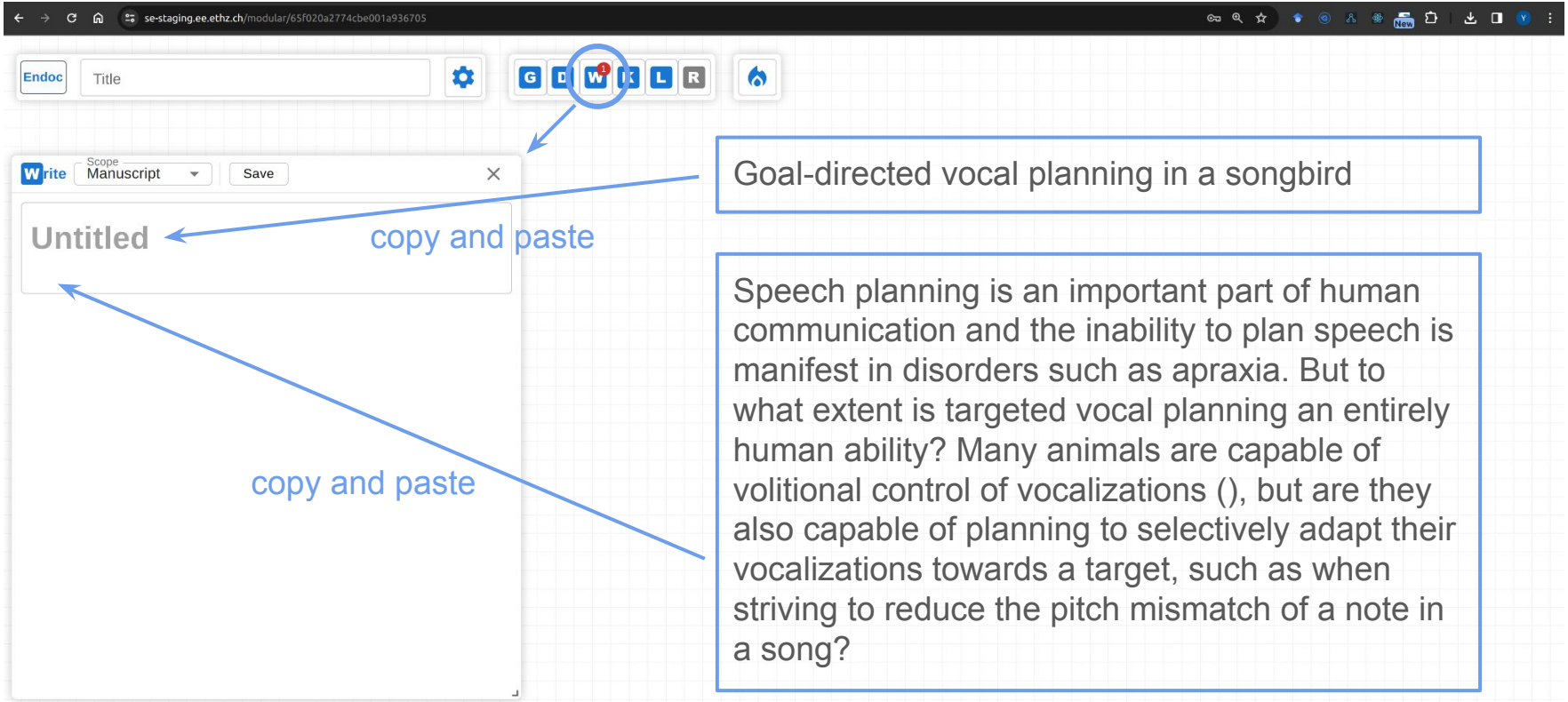
Click on Modular



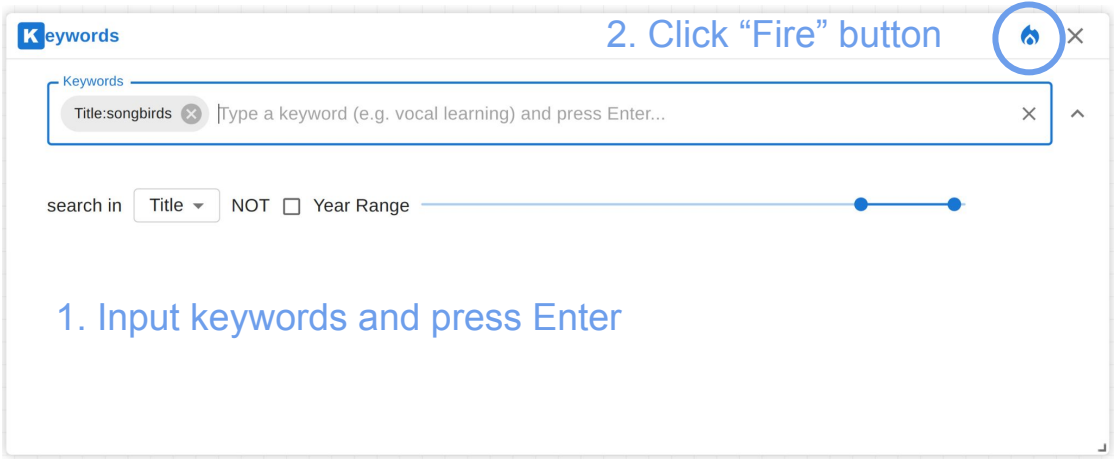
Construct Manuscript

Click on Write module and construct the manuscript

Zai et al. 2022 bioRxiv

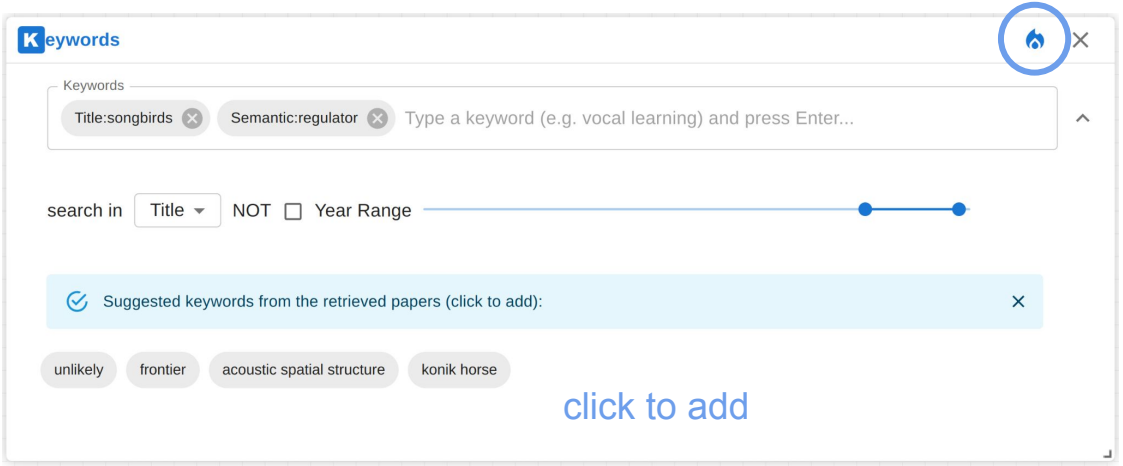


Function: Keyword-based Literature Discovery



Task: find papers using keywords

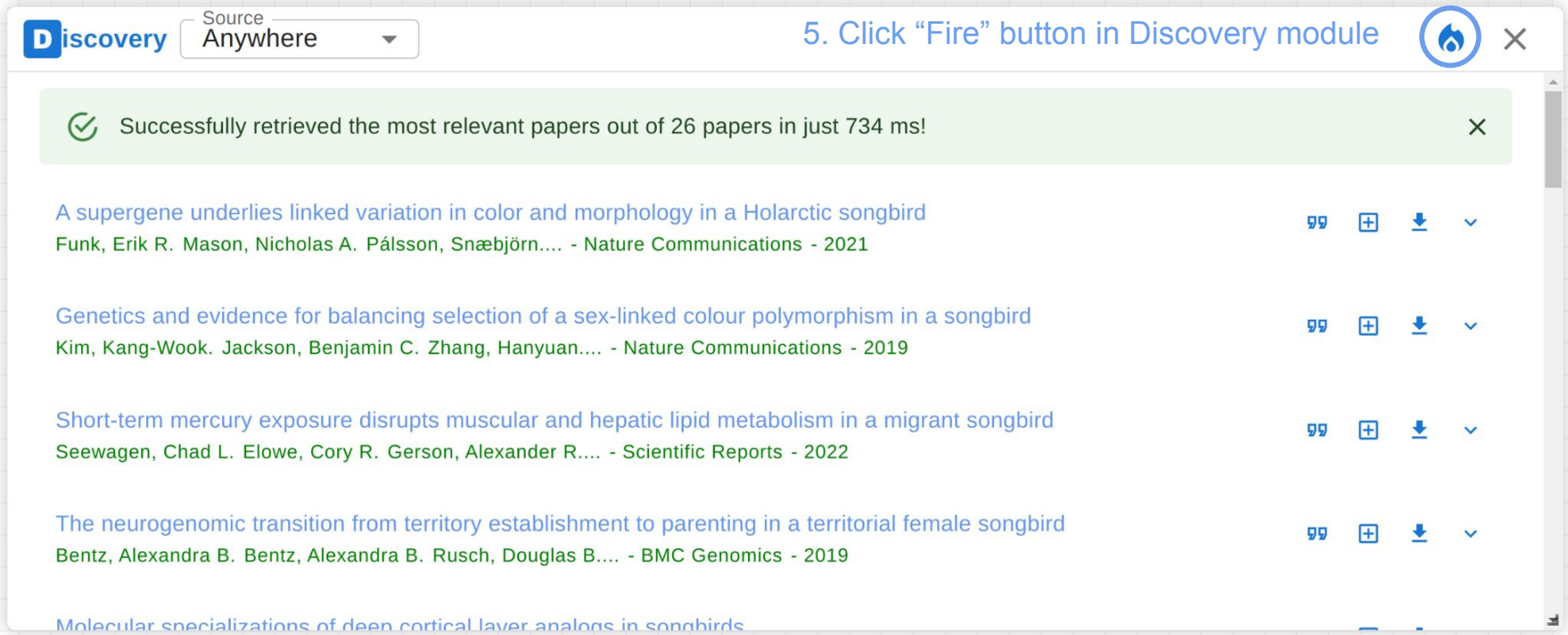
4. Click “Fire” button again



3. Add suggested keyword to refine the literature discovery results

Function: Keyword-based Literature Discovery

6. Retrieved papers are listed in the Discovery module



Function: Semantic-based Literature Discovery

1. Set scope in Write module as “Manuscript”

Task: find papers using entire manuscript

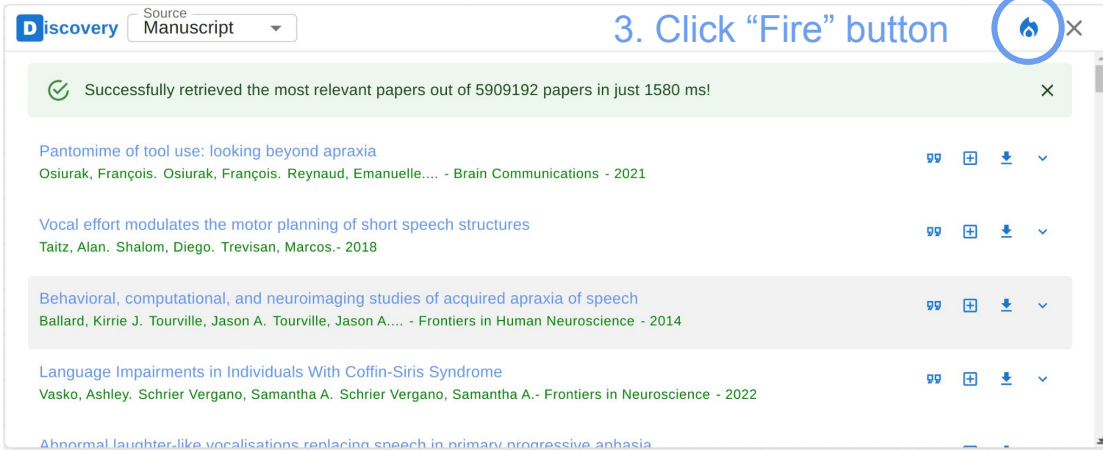
2. Set scope in Discovery module as “Manuscript”

Function: Semantic-based Literature Discovery

1. Set scope in Write module as “Selection”

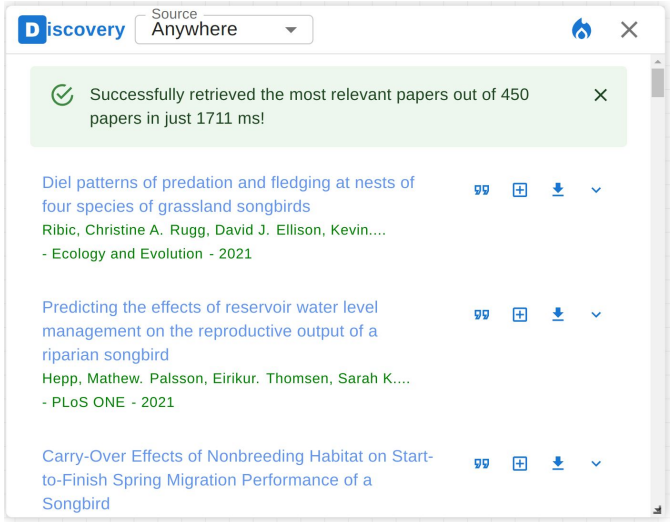
Task: find papers using selected content in manuscript

2. Set scope in Discovery module as “Manuscript”

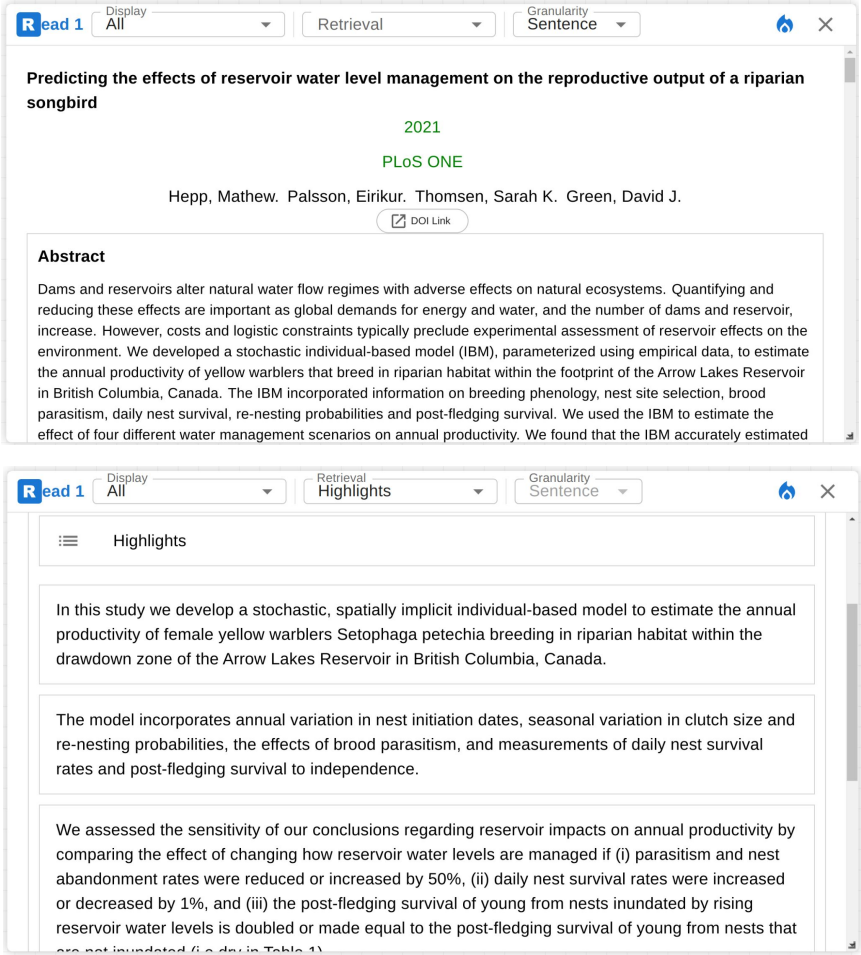


Function: Paper Summarization

1. Click on paper title to open it in a Read module



2. Set “Retrieval” to “Highlights”



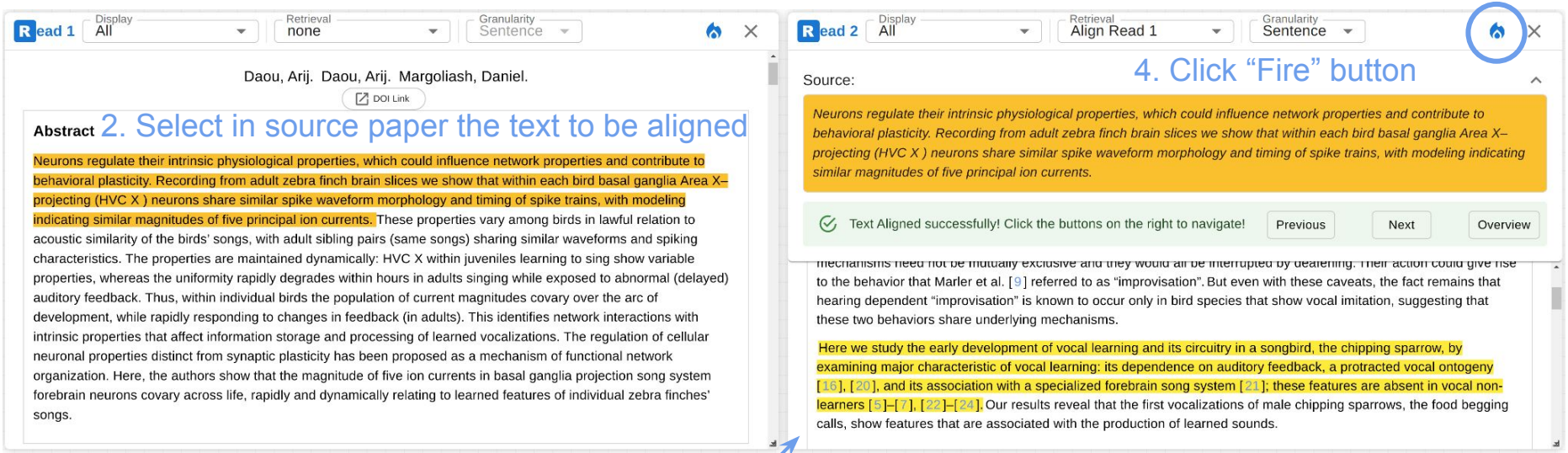
Task: get summary for the reading paper

3. Get summary in listed view

Function: Text Alignment

1. Set “Retrieval” as “none” for the source paper

3. Set “Retrieval” as “Align Read 1” for the target paper



5. The most relevant contents are highlighted in the paper (brightness scales to relevance)

Task: given a text in source paper, find its most relevant content in target paper

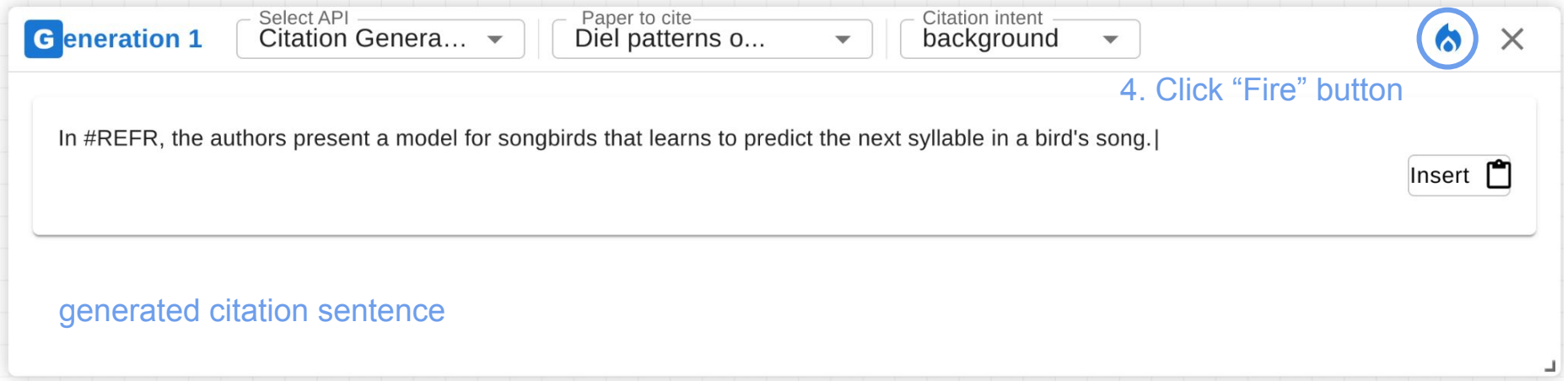
Function: Text Generation

Task: generate a citation sentence for the reading paper

1. Set the API as “Citation Generation”

2. Select the paper to generate citation sentence

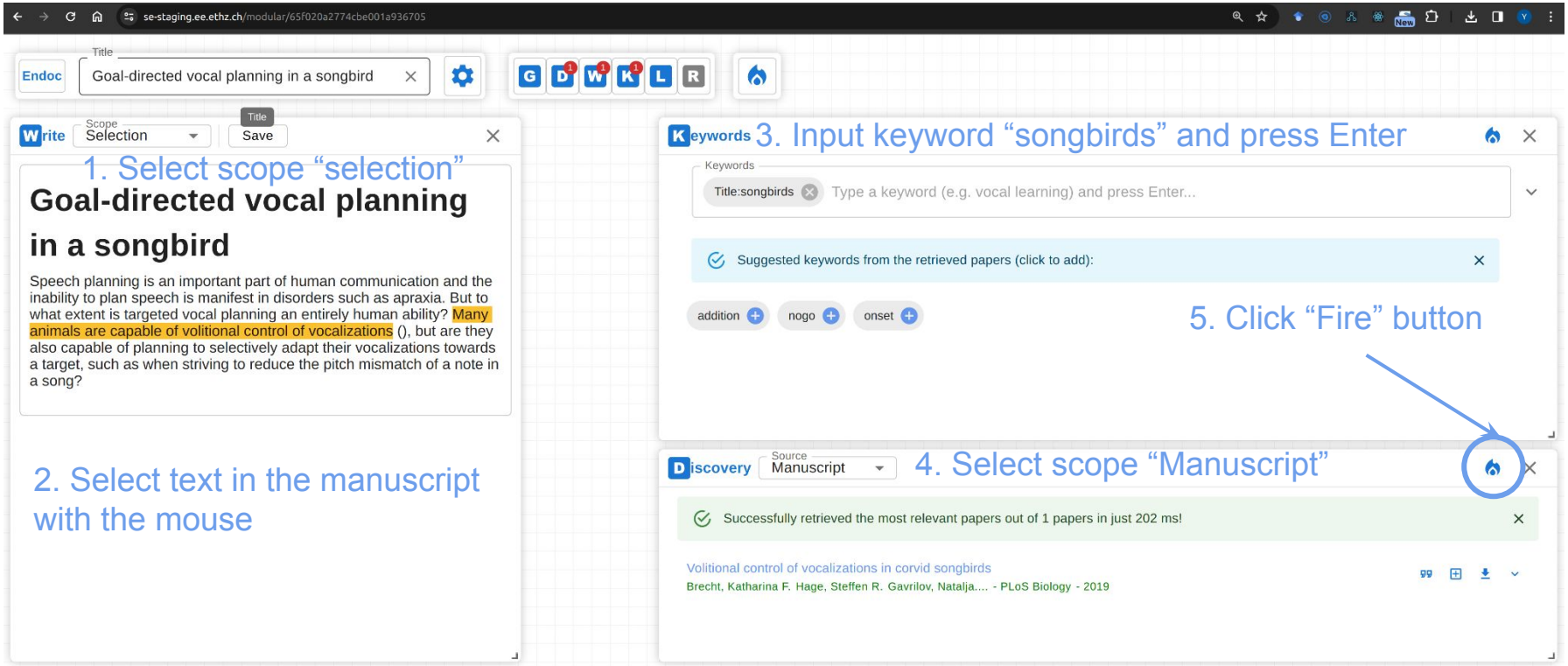
3. Select the citation intent, e.g. as “background”



Example Workflow: Retrieve and Cite

Task: find papers to cite for the text “Many animals are capable of volitional control of vocalizations ()”

Zai et al. 2022 bioRxiv



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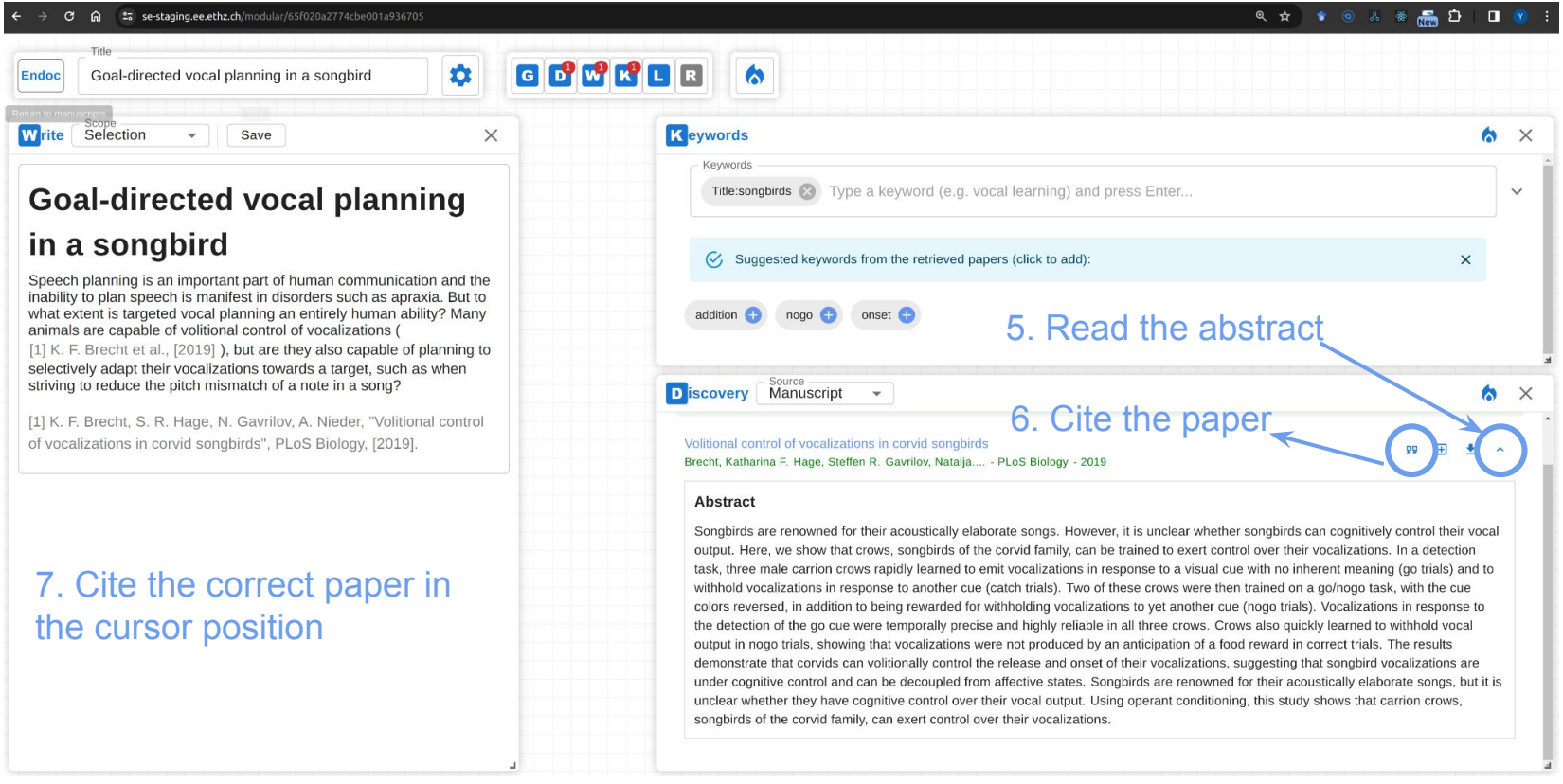
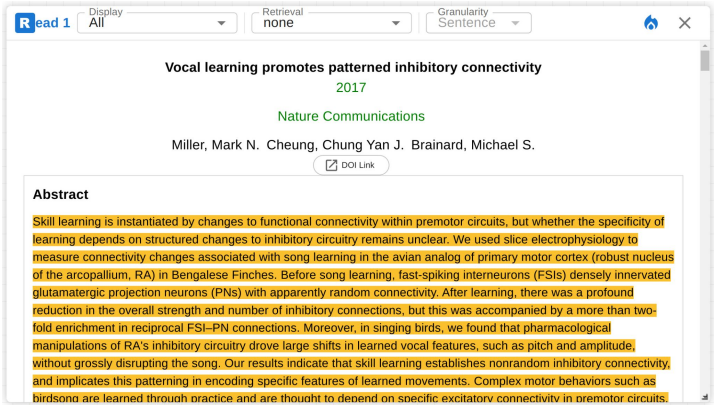


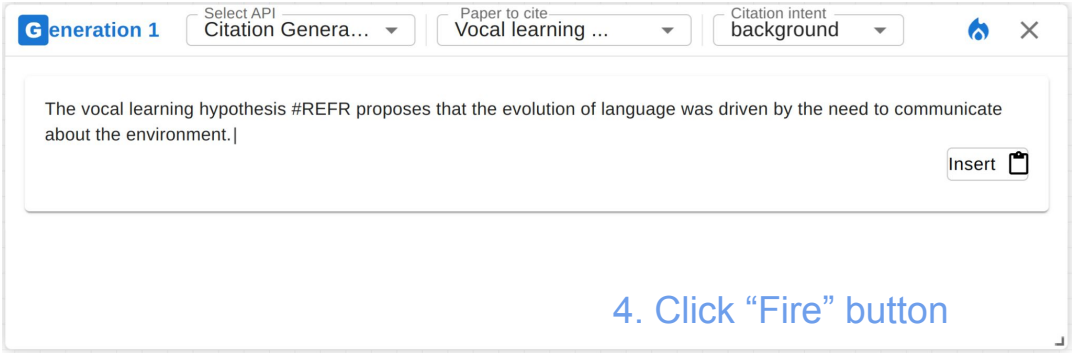
Example Workflow: Generate and Check

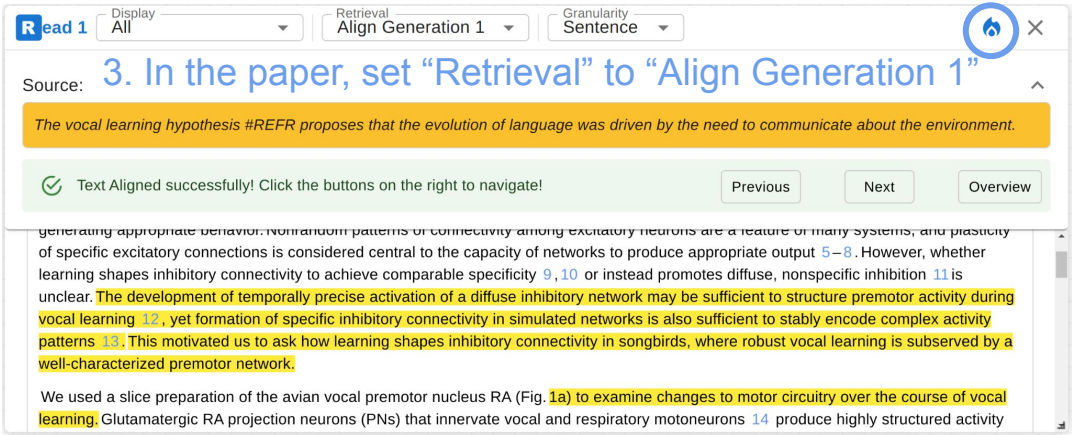
Task: Generate a citation sentence for a paper and check against the paper

1. Select relevant sentences in a paper



2. Generate the citation sentence for the paper





5. Check the generated citation sentences against the aligned text in the paper for factuality and faithfulness