

PLINDERP Integration

- Integration with Llama 3.2
- Relevant for MLSB workshop
- Transforming structural biology research

About `plinderdoi`

- Python package for citation access
- Interface to plinder.doi.bio API
- Unlocks citation, authors, and abstracts

Inputs for Integration

- Input: Protein Data Bank code
- Example: Code '1erm'
- Retrieves specific PLI information

Outputs Available

- Formatted text citations
- Downloadable PDF papers
- Markdown documentation
- Links to PubMed and PMC

Leveraging the Integration

- Analyze PDFs using Llama 3.2
- Extract insights on PLI
- Enhance rational drug design

Future Directions

- User feedback for refinement
- Expand data sources integration
- Enhance utility for researchers

MLSB Workshop Focus

- Address challenges in structural biology
- Combine LLMs with structure-based models
- Unlock insights into drug design

Upcoming Paper Submission

- Paper on PLINDERP for MLSB
- Highlight integration benefits
- Facilitate breakthroughs in research

Demo Time!

- Quick demo of `plinderdoibio`
- Fetch citation information
- Showcase functionalities and support