

List of Artificial Intelligence Tools prepared by the UMMS CARTI:

<https://www.medschool.umaryland.edu/carti/>

Tools for Identifying Literature

Consensus

- **Overview:** identify and summarize literature
- **Where to Start:** review “[how to search & best practices](#)” prior to your first search.
- **How to Search:** enter clear, plain language research question and generate list of relevant peer reviewed manuscripts.
- **View Summarized Findings:** AI extracts and summarizes key findings from selected manuscripts.
- **Consensus Meter:** visual indicator to show level of agreement across multiple studies related to the research question.
- **Advanced Filtering:** narrow results by field of study, methodology, sample size, duration of study, etc.
- **Interactive Chat with Manuscripts:** use AI chat to ask questions and explore content in manuscripts.
- **Subscription Details:** free option with limits; premium subscriptions available

Semantic Scholar

- **Overview:** identify literature
- **Where to Start:** review “[our product](#)” prior to first search.
- **How to Search:** enter keywords, paper titles, author names, or a research question
- **One Sentence Summaries:** AI generated summary describes core idea or findings of a paper.
- **Advanced Filtering:** narrow results by field of study, publication date, author, or journal.
- **Citation Lists:** easily identify additional manuscripts using the citation list.
- **Create Alerts:** receive notifications for new citations, papers for a specific author, or recommended papers.
- **Subscription Details:** free; can login via UMB to save searches and receive notifications

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Elicit

- **Overview:** identify and summarize literature
- **Where to Start:** review “[getting started](#)” and “[tips and best practices](#)” prior to first search.
- **How to Search:** enter clear, plain language research question and generate list of relevant peer reviewed manuscripts.
- **View Summarized Findings:** AI extracts and summarizes key findings from selected manuscripts in a table format.
- **Advanced Filtering:** narrow results by study, study design, population type, sample size, etc.
- **Subscription Details:** free option with limits; premium subscriptions available

Litmaps

- **Overview:** literature mapping and identifying citation networks
- **Where to Start:** [how to use Litmaps](#), [find research gaps](#) & [monitor](#)
- **How to search:** enter a source paper to generate a list of related papers based on citations
- **Visual Citation Map:** see how papers are connected to identify related manuscripts and influential work.
- **Create Alerts:** track new and related work by creating customized alerts.
- **Subscription details:** free option with limits; premium subscription available

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Research Rabbit

- **Overview:** literature mapping and identifying citation networks
- **Where to Start:** [step by step guide](#)
- **How to search:** enter a source paper to generate a list of related papers based on citations.
- **Interactive visualization:** explore related papers by relevance, date, author, and citations.
- **Create Alerts:** receive email updates for related work by creating collections.
- **Subscription details:** free

Tools for Summarizing Literature

SciSpace

- **Overview:** identify, summarize, and chat with literature
- **Where to start:** [Literature Searches](#), [Chat with PDF](#), & [Live Workshops](#)
- **How to search:** enter research question or keywords to identify literature.
- **Summarize and compare:** AI generates concise summaries of papers and allows side by side comparison (up to 5 for free account). Podcast button provides audio description of papers.
- **Advanced filtering:** narrow results by field, study, publication date, etc.
- **Chat with papers:** AI assistant allows for detailed summary of key concepts in manuscripts.
- **Notebook and export tools:** save searches, citations, and summaries to personal notebook.
- **Subscription details:** free option with limits; premium subscription available.

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ChatPDF

- **Overview:** summarize and chat with literature
- **Where to start:** [ChatPDF in a Nutshell](#) & [Fast & Simple AI PDF Summaries](#)
- **How to search:** Upload PDFs, Word documents, and PowerPoint slides.
- **Summarize and chat with papers:** AI assistant generates detailed summaries of a document, including linked references to navigate to sections in the document.
- **Advanced features:** “read aloud” option to listen to summaries and PowerPoint slides of key concepts.
- **Subscription details:** free option with limits; premium subscription available.

Google NotebookLM

- **Overview:** summarize and chat with literature
- **Where to start:** [Getting Started with NotebookLM](#)
- **How to search:** Upload up to 50 PDFs, Word documents, PowerPoint slides, or links.
- **Summarize and chat with papers:** AI assistant generates detailed summaries of a document, including linked references to navigate to sections in the document.
- **Advanced features:** create audio summaries, PowerPoint slides, and mind maps of key concepts
- **Subscription details:** free option with limits; premium subscription available.