

14.09.2023

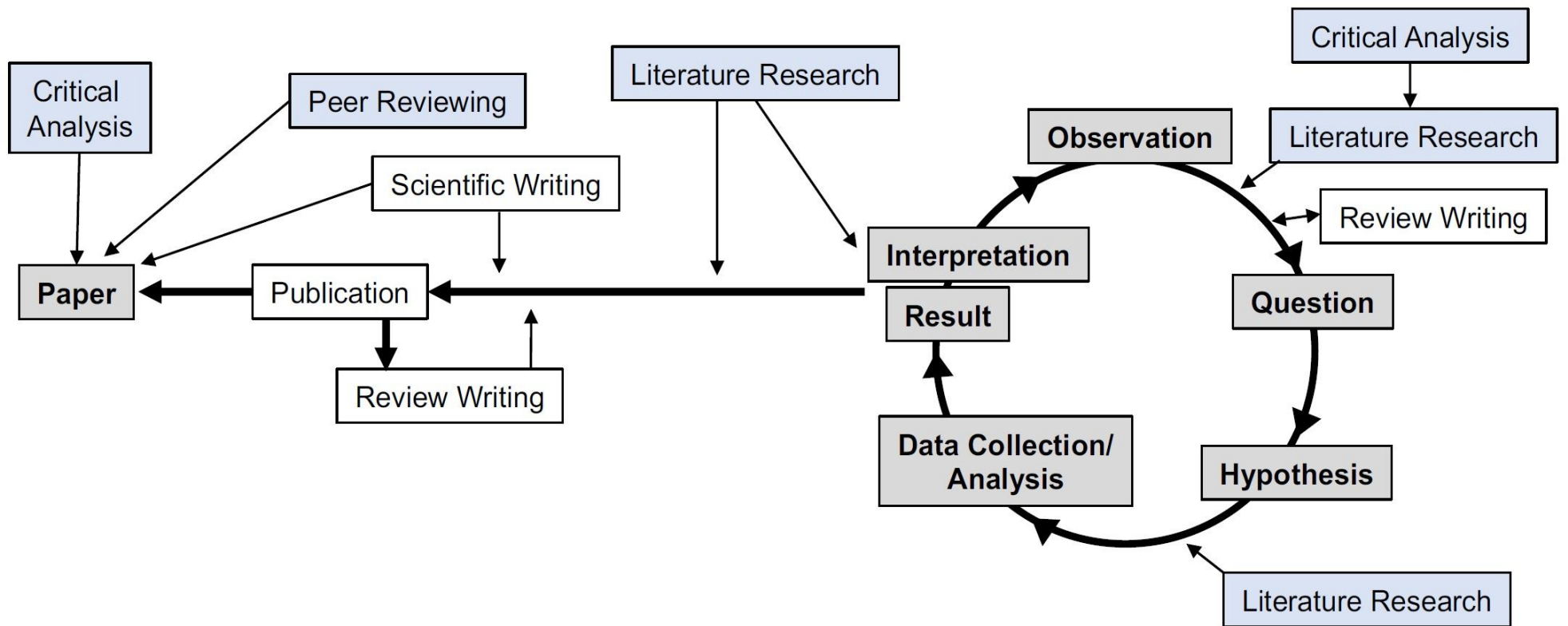
Vorbesprechung Journal Club

I. Research Cycle

II. Literaturrecherche im Web


III. Ressourcen der Uni Heidelberg

Research Cycle



Literaturrecherche im Web



- Google Scholar [Link](#)
 - Research Gate [Link](#)
 - Pub Med [Link](#)
 - Science Direct [Link](#)
 - Connected Papers [Link](#)
 - Elicit [Link](#)
- 

Connected Papers

Super-resolution localization microscopy of radiation-induced histone H2AX-pho... Prior works Derivative works Sponsored by DagsHub

Search... Expand

Origin paper
Super-resolution localization microscopy of radiation-induced...
M. Hausmann, E. Wagner, Jin-Ho Lee, ... 2018

Localization Microscopy Analyses of MRE11 Clusters in 3D-Conserved Cell...
Marion Eryilmaz, Eberhard Schmitt, ... 2018

Using Persistent Homology as a New Approach for Super-Resolution...
A. Hofmann, Matthias Krufczik, D... 2018

Super-Resolution Localization Microscopy of γ -H2AX and...
M. Bach, C. Savini, Matthias Krufczik, ... 2017

Created on Aug 30 2023 2009 2021

Super-resolution localization microscopy of radiation-induced histone H2AX-phosphorylation in relation to H3K9-trimethylation in HeLa cells.
M. Hausmann + 8 authors H. Scherthan
2018, Nanoscale ...

38 Citations Save

Open in:

Ionizing radiation (IR)-induced damage confers functional and conformational changes to nuclear chromatin associated with DNA single and double strand breaks. This leads to the activation of complex DNA repair machineries that aim to preserve the

→ Finden von ähnlichen Veröffentlichungen bei bekanntem Base Paper

→ Suche anhand: Titel oder Paper DOI, PubMed URL

Elicit: The AI Research Assistant

Elicit [FAQ](#) **Tasks** [Starred](#)

Add information about all papers

- Abstract summary** ✓
- Intervention
- Outcomes measured
- Number of participants

Search for paper information

Has PDF Filter Sort by Export as

Paper title	Abstract summary
Role of H3K9me3 heterochromatin in cell identity establishment and maintenance. Dario Nicetto, Kenneth S Zaret <i>Current opinion in genetics & development</i> 2019 83 Citations DOI PDF	H3K9me3 is an important player in silencing lineage-inappropriate genes.

Nützliche Tasks:

Abstract summarization

Generate a TL;DR of a provided academic paper abstract

Brainstorm research questions

Brainstorm more specific and related versions of your question

Rephrase

Rewrite a sentence in different words

Suggest search terms

Given a word or phrase, suggest related search terms you might want to use to find papers

Ressourcen der Uni Heidelberg

- HEIDI [Link](#)

Sortierung: Relevanz ▾ »

« [1-20] [21-40] [41-60] [61-80] [81-100] ...

Treffer erweitern:
 Über den Heidelberger Bestand hinaus suchen

Treffer einschränken:
 Nur peer-reviewed Zeitschriften

☰ Jahr

1... 1996 2003 2010 2017 2...

1990 bis 2024 Ok

1. Lemaître, Charène: **Double strand break (DSB) repair in heterochromatin and heterochromatin proteins in DSB repair.** - Netherlands: Elsevier B.V, **2014**
In: *DNA repair.* (2014) S. 163-168, ISSN 1568-7864
Themen: Ataxia Telangiectasia Mutated Proteins - genetics | Carcinogenesis - genetics | Chromosomal Proteins, Non-Histone - genetics | Chromosomal Proteins, Non-Histone - metabolism | DDR
Zeitschriftenartikel
→ ZEITSCHRIFT
2. Zhang, Lei: **53BP1 regulates heterochromatin through liquid phase separation.** - England: Nature Publishing Group, **2022**
In: *Nature communications.* (2022) S. 360-16, ISSN 2041-1723
Themen: Animals | Biological activity | Cell Line | Cell Nucleus - metabolism | Cell biology
Zeitschriftenartikel
→ ZEITSCHRIFT

UB Heidelberg verfügbar ?

UB Heidelberg verfügbar ?

- HeiSKILLS [Link](#)

ÜBER UNS ANGEBOTE ZERTIFIKATE

hei SKILLS KOMPETENZ- UND SPRACHENZENTRUM

UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386

ABTEILUNG LEHREN UND LERNEN

WISSENSCHAFTLICHES SCHREIBEN FÜR NATUR/LEBENSWISSENSCHAFT

Study Skills stärken für ein erfolgreiches Studium - eigenständig und online.

ANGEBOTE FÜR STUDIERENDE

Kompetenz erwerben, Kompetenz weitergeben
- nachhaltig

Kurse →

Online-Angebote →

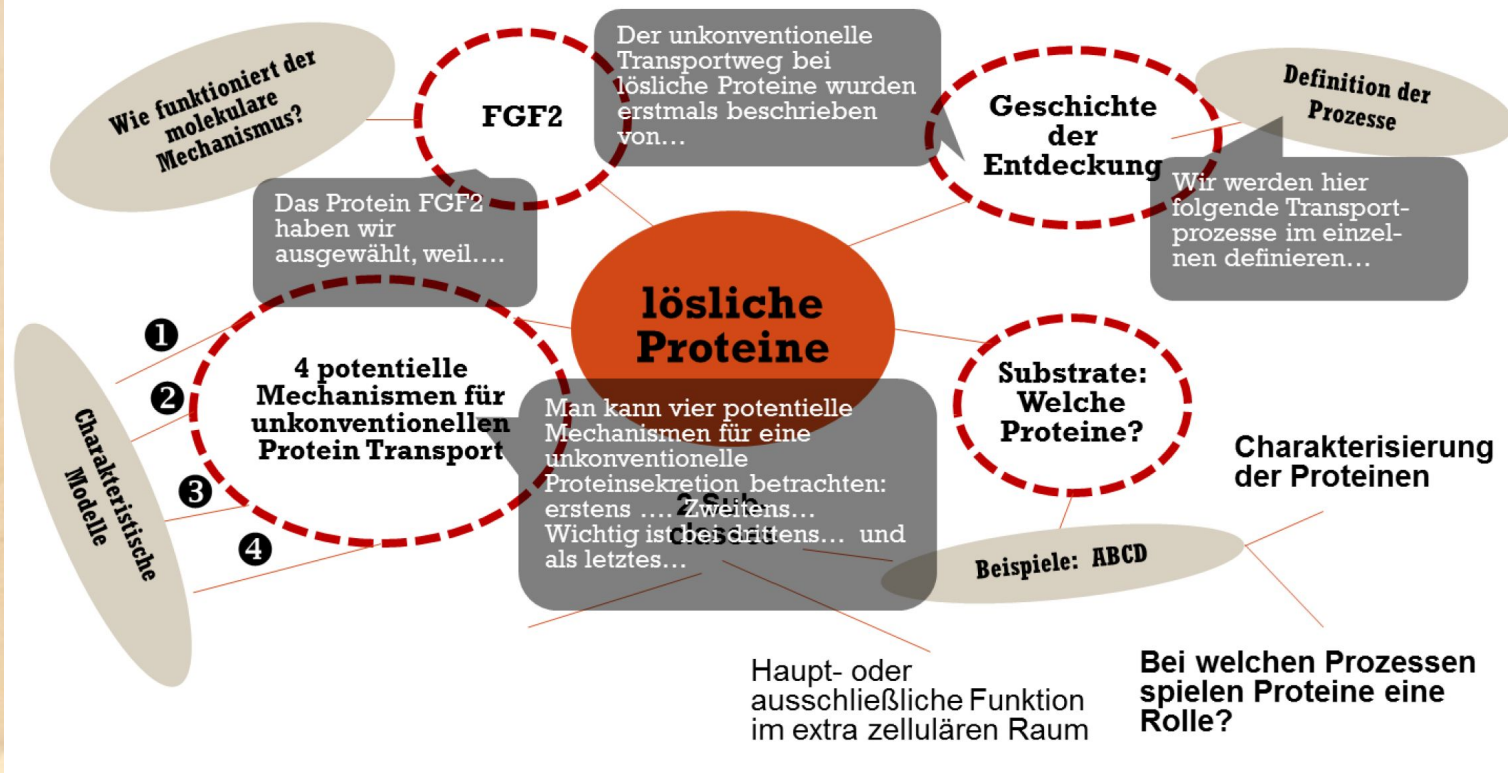
Alle Angebote für Studierende →

Mind-Maps



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Unkonventionelle Transportwege für lösliche Proteine

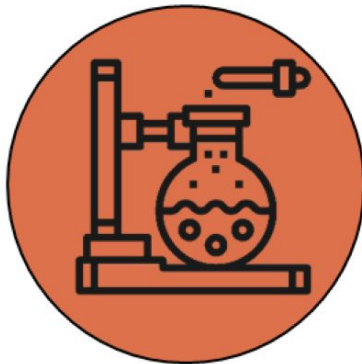


ARTEN VON LITERATUR

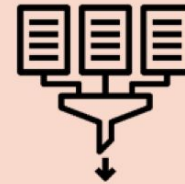


Primärliteratur

- z.B. Wissenschaftliche Artikel
- Fallbeschreibungen
- Case History Reports

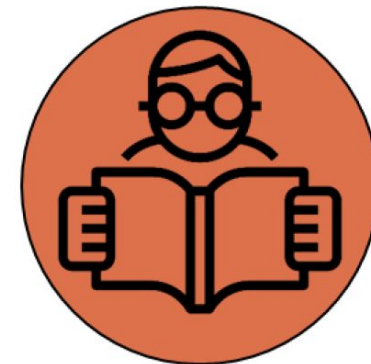


„Rezepte“ für eigene Arbeiten



Sekundärliteratur

- z.B. Review Artikel
- Meta-Analysen



Überblick



FRAGEN AN EMPIRISCHE PRIMÄRLITERATUR

I



Bestimmen der Aufgabenstellung

Lesen Sie **Titel und Abstract**:

- Welche Frage wird versucht zu beantworten?
- Welche Beobachtungen werden angekündigt?
- Wird ein Modell zur Erklärung eines Prozesses vorgeschlagen?
- Wird die Beziehung zwischen verschiedenen Variablen diskutiert?

II



Überblick verschaffen

Lesen Sie **die Einleitung**:

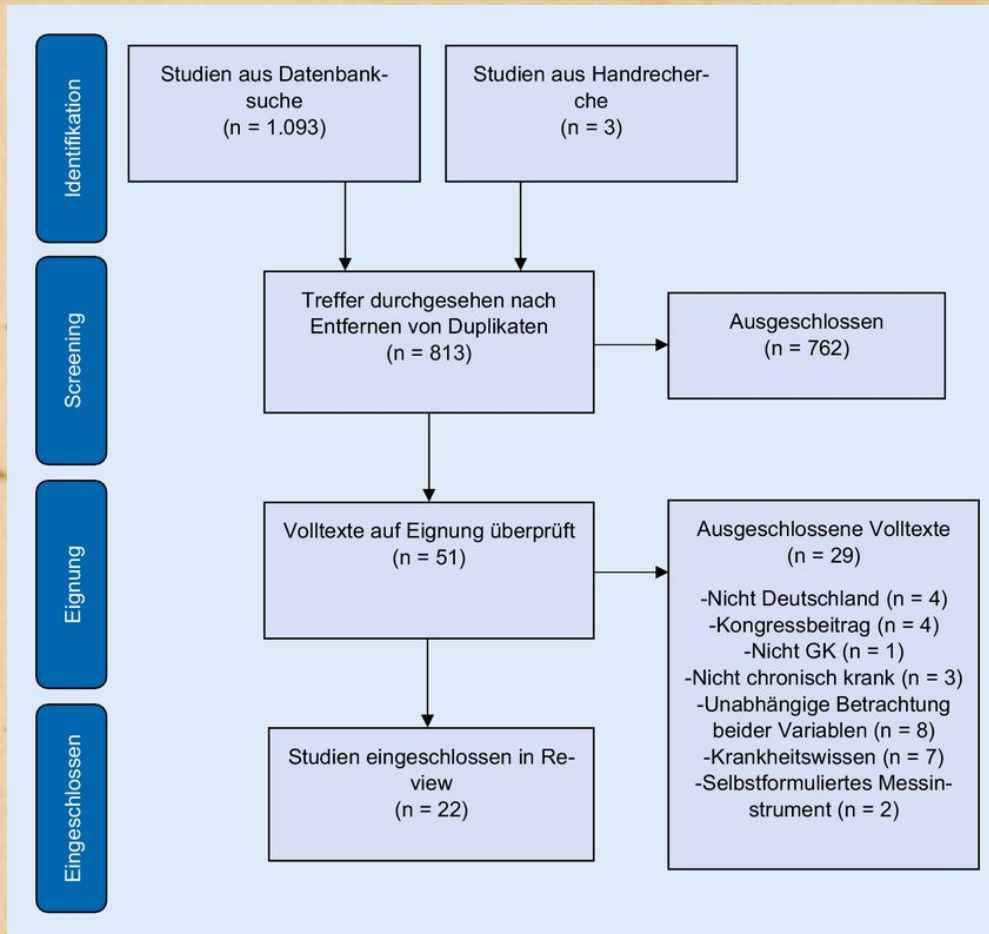
- Warum haben die Autor/inn/en die Arbeit gemacht?
- Wie lautet die wesentliche Hypothese?
- Was war über das Thema oder Problem vorher bekannt?
- Was ist das Ziel der vorliegenden Arbeit?

Critical reading

a suggestion how to perform a critical analysis

1. Skim the manuscript/paper (manuscript: draft for a paper; paper: published manuscript) and highlight all potential issues that catch your attention.
2. Note down the actual observations (motivations), questions and hypotheses.
3. Look at the figures/images, and extract (with the the help of the methods section) the actual (!) facts that can be deduced from the data.
4. Create a list with all the actual facts presented in the manuscript/paper.
5. Now read the manuscript/paper again carefully with the following questions in mind:
 - Does the background information given in the manuscript/paper relate to the actual facts on your list?
 - Is the background information in the manuscript/paper supported by the literature?
 - Are the referenced statements consistent with the facts in the cited studies?
 - Can the research question be derived from the observations (background information)?
 - Are the hypotheses testable?
 - Are the methods used suitable to test the hypotheses?
 - Were all the necessary controls (negative and positive) included?
 - Are the statements regarding the confirmation/rejection of the hypotheses conform with the actual facts on your list?
 - Is the interpretation of the data consistent with the the actual facts on your list?
 - Is the interpretation of the data in the context of already published data logical and consistent or rather speculative?
 - In addition (if you are a reviewer):
 - Were the formal criteria (structure, content, format) fulfilled?
 - Was the important (original) literature cited?
 - Are the findings of the paper really new?

PRISMA: Systematic Paper Review



- „Preferred Reporting Items for Systematic Reviews and Meta-Analyses“
- Checklisten als Navigationssystem
- Flowchart mit Auswahlkriterien

[Link](#)