



# New tools for pharmacy-specific literature search developed by PubPharm - the Specialised Information Service Pharmacy

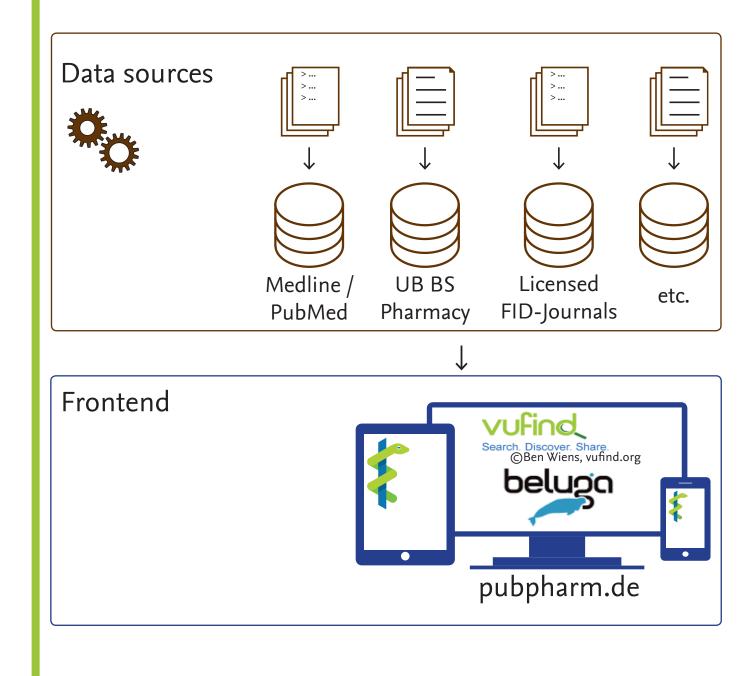
von Anke Krüger<sup>1</sup>, Kristof Keßler<sup>1</sup>, Younès Ghammad<sup>2</sup>, Stefan Wulle<sup>1</sup>, Wolf-Tilo Balke<sup>2</sup>, Katrin Stump<sup>1</sup> ¹ Universitätsbibliothek & ² Institut für Informationssysteme | Technische Universität Braunschweig Fachinformationsdienst Pharmazie - PubPharm | pubpharm@tu-braunschweig.de | Telefon +49 (0) 531 391-5027



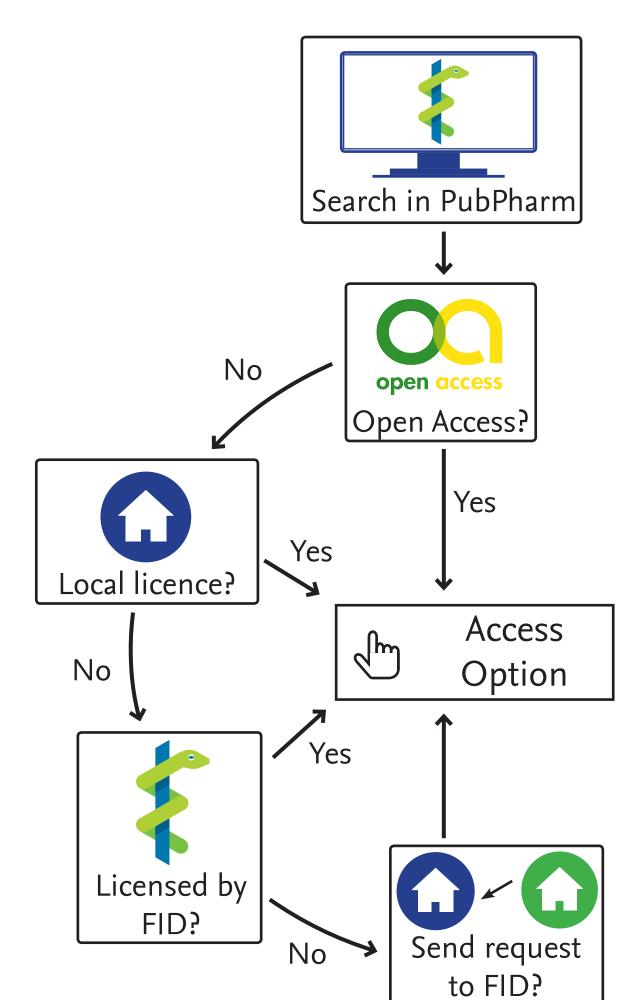
- Search Engine for pharmacy-specific literature search
- Availablility check (personalized based on location)
- Responsive Design: Search Engine can be used on different devices, e.g. smartphones or desktop computers
- Full text access to pharmaceutical journals licenced by FID Pharmacy

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# Content

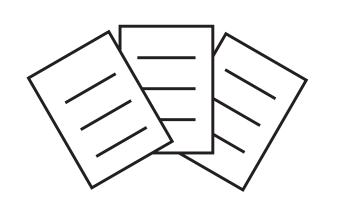


- More than 40 Mio. publications
- Medline (PubMed)
- Journal acticles, books, E-books and dissertations in the field of pharmacy



### FID-Licences

- Full text access to more than 50 journals
- User group: Pharmaceutical scientists in Germany
- Supported by DFG-founding

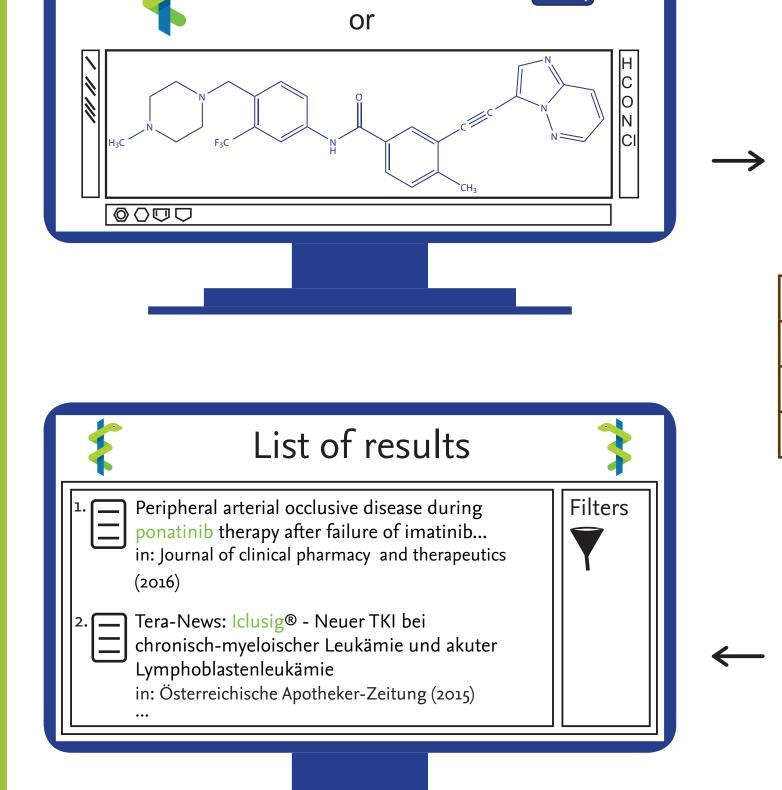


### Journals

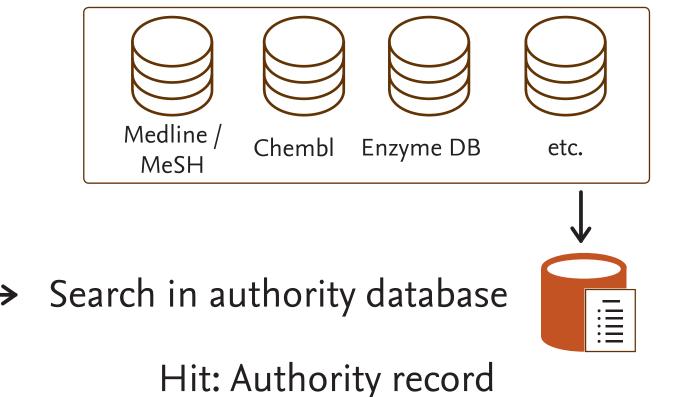
- Expert Opinion on Drug Delivery
- Drug Development and Industrial Pharmacy
- Drugs of the Future
- Drugs of Today
- Pharmaceutical Development and Technology
- etc.

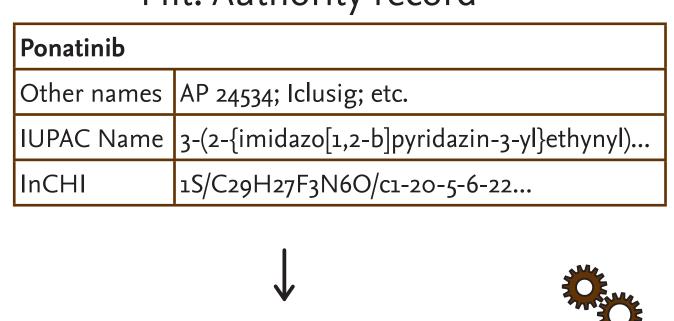
# Coming soon ...

# Authority Data and Structure Search



Ponatinib

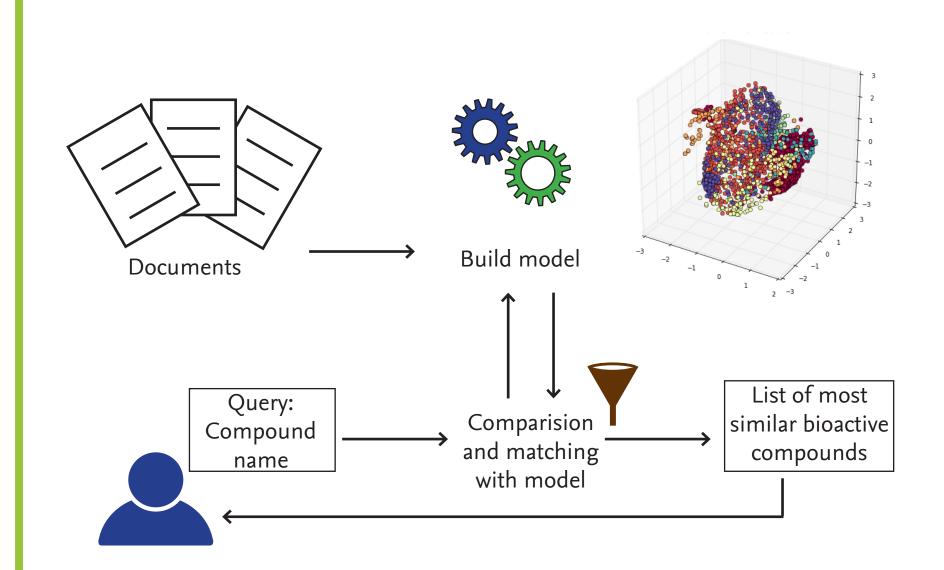




Search in meta- and full text database Expanded inquiry: Search for Ponatinib OR Iclusig OR ...

## Innovative Search Tools

- Aim: Search tool for finding similar bioactive compounds
- Problem: How to predict the effect of a bioactive compound?
- → Innovative search tool based on Natural Language Processing
- Alternative to seach tools based on molecular structure



- Documents gathered from digital libraries (e.g. PubMed) are used to build a model
- Within this model each bioactive compound is assinged to a vector in a mulidimensional vector
- The smaller the distance between two molecules, the higher is the similarity of their effects



