Title	Introduction to Digital Fujikawa –History of Medicine in Japan–
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Citation	(2019): 1-10
Issue Date	2019-06
URL	http://hdl.handle.net/2433/243236
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Type	Presentation
Textversion	author

Introduction to Digital Fujikawa –History of Medicine in Japan–

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2019 IIIF Conference, Göttingen, Germany
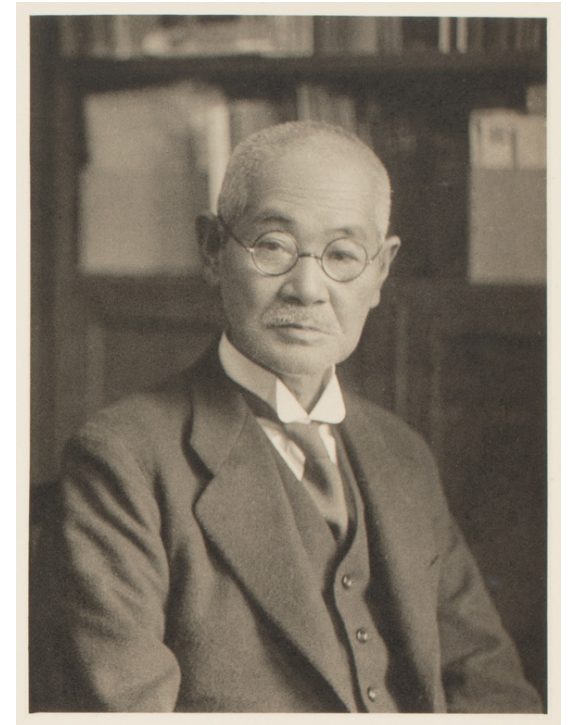
京都大学 KYOTO UNIVERSITY ✕ 慶應義塾 Keio University

Fujikawa Collection and Motivation

Fujikawa Collection

- The collection is comprised of about 9,000 books formerly held by Dr. Yu Fujikawa (1865-1940)

- Books had been collected for his masterpiece "History of Medicine in Japan"

Books are separately stored in different institutions
→ **Can we bring them to one place in digital space?**

Yearbook of the 14th class, Keio University School of Medicine (1936)

Launch of Digital Fujikawa

Project: Digital Fujikawa -History of Medicine in Japan-
Kyoto Univ. Library Network × Keio Univ. Media Center

- **Goal I**: contribute to the development of the research in the history of medicine in Japan by providing the comprehensive view of the Fujikawa Collection

- **Goal II**: provide a showcase of digital unification utilizing IIIF to community

In September 2018, we launched the beta version
http://www.kulib.kyoto-u.ac.jp/rdl/digital_fujikawa/en/index.html

Number of Books / Acknowledgement

- Number of books: 5,665 books
  - Kyoto University: 4,711 books
  - Keio University: 782 books
  - The University of Tokyo: 172 books

> Books from the University of Tokyo are added in February, 2019
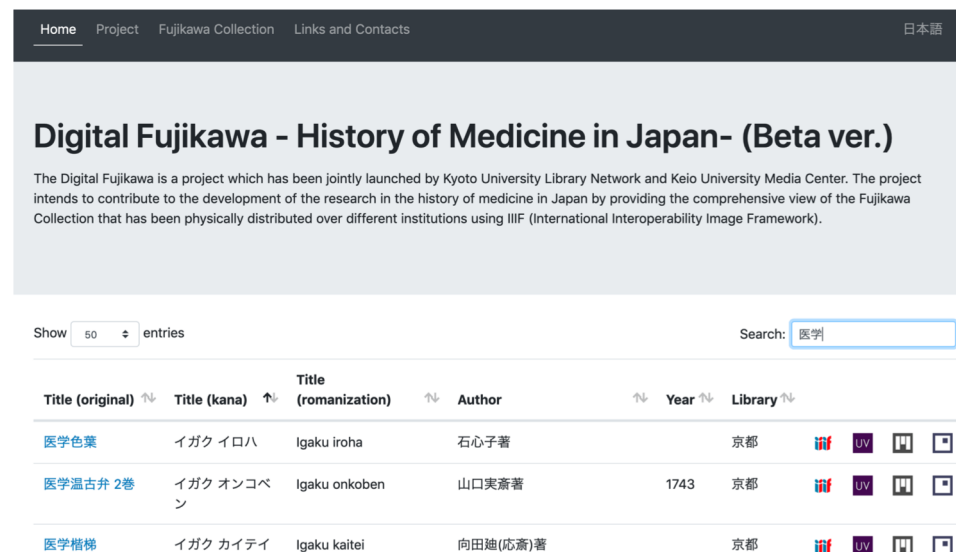
- Acknowledgement for digitization
  - 「京都大学附属図書館所蔵『富士川文庫』保存・公開のための修復・電子化事業-わが国の医学の歴史を俯瞰する研究基盤構築のために-（機能強化経費）」by MEXT
  - "Project to Build an International Collaborative Research Network for Pre-modern Japanese Texts (NIJL-NW project)" led by the National Institute of Japanese Literature
  - Kyoto University Open Access Promotion Project
  - Keio University Media Center (ordinary expenses)

Implementation [1/3]

> **Lightweight implementation**
>
> Since we can access to the server only via ftp, we do not use any software. Instead, we add functions by JavaScript.

- We show title, author, publication year, and holding institution of books at each row of HTML table

- We add search function and sort function to HTML table using DataTables, which is a JQuery plugin

Implementation [2/3]

Implementation [3/3]

Integrated search portal shortens distance between books on digital space and makes such comparison easy.

Influence from Digitization

Number of appointments to access to each collection per financial year

	FY2014		FY2015		FY2016		FY2017		FY2018	
1	Kawai	1,113	Tanimura	202	Otsuka	312	Otsuka	312	Otsuka	139
2	**Fujikawa**	284	**Fujikawa**	170	Others	142	Others	142	Others	70
3	Others	97	Kawai	131	**Fujikawa**	136	**Fujikawa**	136	Zokyo	34
4	Tanimura	64	Nakai	57	Tanimura	89	Tanimura	89	Kawai	28
5	Kikutei	52	Others	55	Seike	58	Seike	58	Tanimura	22
	total	**1812**	**total**	**903**	**total**	**1,088**	**total**	**903**	**total**	**363**

The total number of appointments has decreased

The Fujikawa collection dropped out of the top five, due to its availability on the web (?)

Usage and Challenges

- Digital Fujikawa enables direct accesses to images via links to image viewers, but users access via bibliography pages
    - Probably users do not understand image viewer icons

| 愛育茶譚 | アイイク サダン | Aiiku sadan | 桑田和著 | 1857 | 京都 | iiif | UV | | |

Users prefer bibliography links to viewer icons

Users do not understand these icons

In order to make the best use of benefits and advantages of IIIF,
it is necessary to educate users

Future Directions

- Increase digital images and participating institutions

- Develop new functions that support researchers and make this project from the current trial phase to a full-scale phase by the end of FY2020

Thank you