Existing LSFM code and dataset

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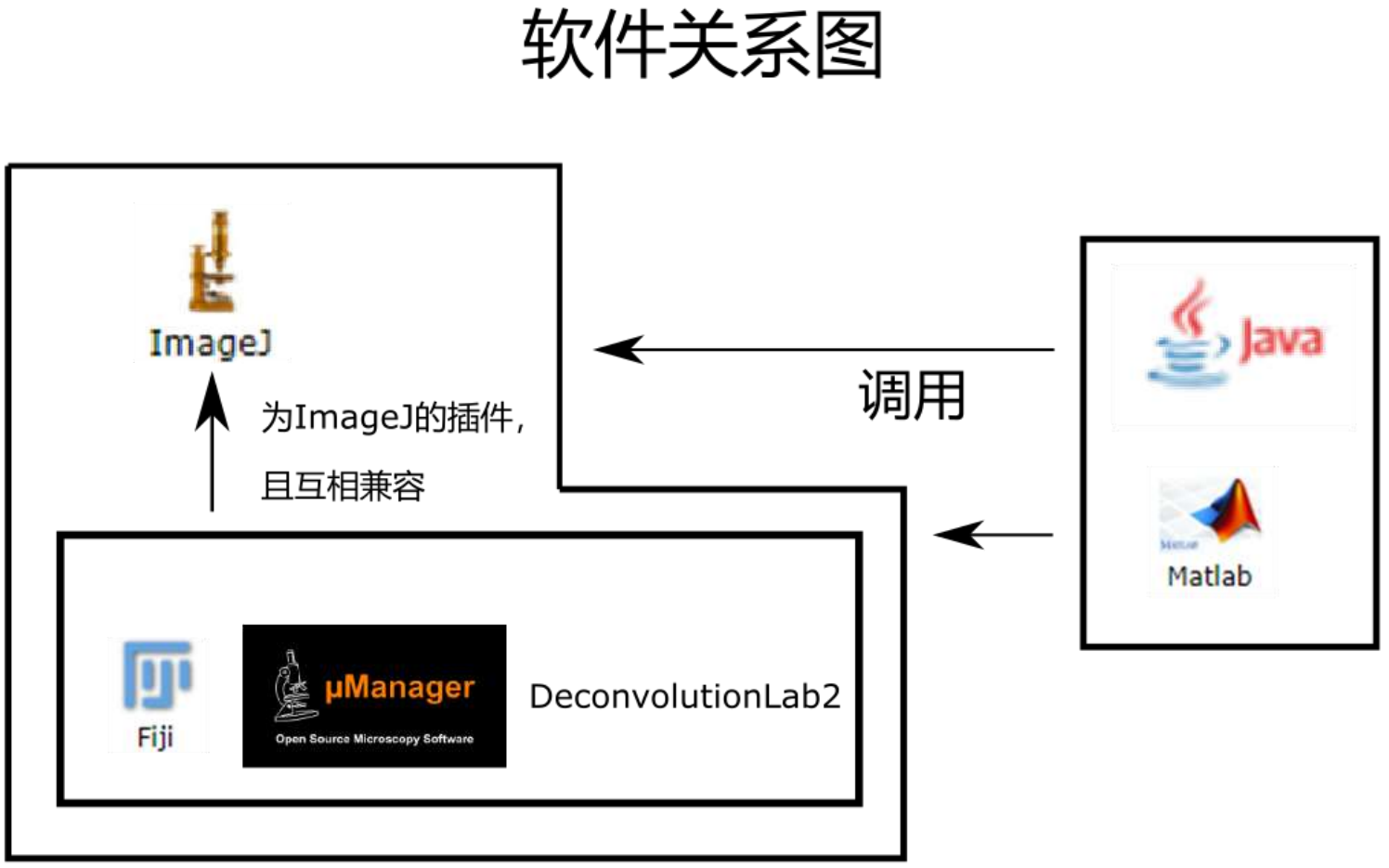
上周内容补充



可选：GPU编程，并行处理加快处理速度（需要安装CUDA）

结果整理

注：红色/黑色对应于软件代码、样本数据是可获取的/不可获取的

Reference	Availability
1. Whole-animal functional and developmental imaging with isotropic spatial resolution	CUDA-based code+1 dateset
2. Inverted selective plane illumination microscopy (iSPIM) enables coupled cell identity lineaging and neurodevelopmental imaging in Caenorhabditis elegans	matlab+ImageJ plug-in DeconvolutionLab, no dataset
3. 3D high- and super-resolution imaging using single-objective SPIM	Commercial software-Metamorph, no dataset
4. Reconstruction of Zebrafish Early Embryonic Development by Scanned Light Sheet Microscopy	matlab+dataset(does not meet the requirement)
5. OpenSPIM: an open-access light-sheet microscopy platform	μManager+Fiji, no dataset

6. Single Molecule Imaging of Transcription Factor Binding to DNA in Live Mammalian Cells	Commercial software-Metamorph, no dataset
7. In Toto Imaging and Reconstruction of Post-Implantation Mouse Development at the Single-Cell Level	CUDA-based matlab code(with video guide), no dataset
8. Efficient Bayesian-based multiview deconvolution	ImageJ plug-in ImgLib2/CUDA-based code+multiview deconvolution simulation ,11 datasets
9. DeconvolutionLab2: An open-source software for deconvolution microscopy	ImageJ plug-in DeconvolutionLab2, no dataset
10. Real-time multi-view deconvolution	CUDA-based code, no dataset

环境搭建

1. 下载安装visual studio, Java development kit, CUDA。（已完成）
2. 配置环境变量等，验证安装成功。（正在做）
3. 对于ImageJ下的插件：熟悉软件使用，寻找合适数据并转换为相应格式，进行处理。
4. 对于基于CUDA的程序：阅读理解代码，尝试运行。（耗时）