+LaChance 2020

Pratical FRM, focuses on low resolution, talks about real life metrics and not scores

+ Ounkomol 2018

3D TL images and it doesn’t work well for 2D and then combine z-slices, also a very small dataset and doesn’t generalize for other phenotypes

+ Christiansen 2018 <https://www.sciencedirect.com/science/article/pii/S0092867418303647>

Also TL z-stacks, can predict live of dead, use of different scales (tower approach)

Tihanyi 2020 <https://www.researchgate.net/publication/350861457_Recent_advances_in_CHO_cell_line_development_for_recombinant_protein_production>

Review of all CLD processes in last years, but bot much about fluorescence in silico

+Ugawa 2021 <https://elifesciences.org/articles/67660>

Single-pixel detector (<https://www.science.org/doi/10.1126/science.aan0096> explained here) during the cell sorting (classifying wave lengths)

+ Shiyui Cheng 2021 <https://www.science.org/doi/10.1126/sciadv.abe0431>

Most advanced paper, small dataset, Uses dense blocks

+Richard Kasprowicz 2017 <https://doi.org/10.1016/j.biocel.2017.01.004>

Rely on the DIC for the morphological analysis

Can be used for image denoising

<https://openaccess.thecvf.com/content/ICCV2021W/NeurArch/papers/Jia_DDUNet_Dense_Dense_U-Net_With_Applications_in_Image_Denoising_ICCVW_2021_paper.pdf>

Predicting uncertantity maps

<https://opg.optica.org/optica/fulltext.cfm?uri=optica-6-5-618&id=412113#>

The input to the neural network consists of five low-resolution intensity images, including two brightfield and three darkfield images.

Ohtake 2013 <https://pubmed.ncbi.nlm.nih.gov/24261977/>

Recombinant therapeutic protein vaccines

Ahmad 1990 <https://pubmed.ncbi.nlm.nih.gov/2194500/>

Recombinant targeted proteins for biotherapy

Sandhu 1992

Protein engineering of antibodies <https://pubmed.ncbi.nlm.nih.gov/1423650/>

Funaro 1996

Monoclonal antibodies in clinical applications <https://pubmed.ncbi.nlm.nih.gov/9604775/>

Larrick 1991

Recombinant antibodies

+ Jefferis 2021 <https://pubmed.ncbi.nlm.nih.gov/29071407/>

Recombinant Proteins and Monoclonal Antibodies

+ Barbeau, J., (2018) <https://blog.crownbio.com/overview-recombinant-proteins>

Introduction to Recombinant Proteins - Crown Bioscience.

+ Castan 2018 <https://sci-hub.mksa.top/10.1016/B978-0-08-100623-8.00007-4>

Book about CLD

+ Lalonde 2017 <https://www.sciencedirect.com/science/article/pii/S0168165617301918?via%3Dihub>

(so so reference)

+ Beckman <https://www.beckman.de/resources/product-applications/lead-optimization/cell-line-development>

+ Hong 2018 <https://www.sciencedirect.com/science/article/abs/pii/S2211339818300285>

+ Shin 2020 <https://sci-hub.mksa.top/10.1007/s12257-020-0093-7>

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