

References

1. Subasinghe A, Samarabandu J, Knoll J, Khan W, Rogan PK. [An Image Processing Algorithm for Accurate Extraction of the Centreline from Human Metaphase Chromosomes](#). 2010 IEEE International Conference on Image Processing, pp 3613–3616. DOI: 10.1109/ICIP.2010.5652017.
2. Subasinghe A, Samarabandu J, Knoll J, Khan W, Rogan PK. [An Accurate Image Processing Algorithm for Detecting FISH Probe Locations Relative to Chromosome Landmarks on DAPI Stained Metaphase Chromosome Images](#). IEEE 2010 Canadian Conference on Computer and Robot Vision. 2010. Pp 223-230. DOI: 10.1109/CRV.2010.36.
3. Subasinghe A, Samarabandu J, Knoll J, Rogan PK. [Automated metaphase chromosome centromere refinement using fuzzy inference systems](#). 6th Canadian Student Conference on Biomedical Computing and Engineering, 2011.
4. Arachchige AS, Samarabandu J, Rogan PK, Knoll JHM. [Intensity integrated Laplacian algorithm for human metaphase chromosome centromere detection](#). 2012 25th IEEE Canadian Conference on Electrical & Computer Engineering. pp:1-4. DOI: 10.1109/CCECE.2012.6334866.
5. Li Y, A Wickramasinghe, A Subasinghe A, J Samarabandu, J Knoll, R Wilkins, F Flegal, and PK Rogan. [Towards Large Scale Automated Interpretation Of Cytogenetic Biodosimetry Data](#). Paper #1569626685. IEEE 6th Annual International conference on Automation for Sustainability, 2012. Pp. 30 - 35 DOI: 10.1109/ICIAFS.2012.6420039
6. Ranjan R, Subasinghe A, Samarabandu J, Rogan PK, Knoll J. [Automatic Detection Of Pale Path And Overlaps In Chromosome Images Using Adaptive Search Technique And Re-Thresholding](#). Proceedings of International Conference on Computer Vision Theory and Applications, pp. 462-466, 2012, DOI: 10.5220/0003862604620466.
7. Subasinghe A, Samarabandu J, Knoll J, Rogan PK. [Intensity Integrated Laplacian Based Thickness Measurement for Detecting Human Metaphase Chromosome Centromere Location](#). IEEE Trans. Biomedical Engineering, 60:2005-13 DOI: 10.1109/TBME.2013.2248008, 2013.
8. Rogan PK, Y Li, A Wickramasinghe, A Subasinghe, N Caminsky, W Khan, J Samarabandu, R Wilkins, and F Flegal, JH. Knoll. [Automating dicentric chromosome detection from cytogenetic biodosimetry data](#). Radiation Protection Dosimetry, 159: 95-104, 2014 [PMID: 24757176].
9. Rogan PK, Li Y, Wilkins R, Flegal FN, and Knoll JHM. [Radiation Dose Estimation by Automated Cytogenetic Biodosimetry](#). Radiation Protection Dosimetry, 172(1-3):207- 217, 2016. DOI: 10.1093/rpd/ncw161.
10. Subasinghe A, Samarabandu J, Li Y, Flegal F, Wilkins R, Knoll JHM and Rogan PK. [Centromere Detection of Human Metaphase Chromosome Images using a Candidate Based Method](#). F1000Research, 5: 1565 doi: 10.12688/f1000research.9075.1, 2016 - Preprint at bioRxiv, doi: 10.1101/032110
11. Shirley B, Li Y, Knoll JHM, and Rogan PK. [Expedited radiation biodosimetry by automated dicentric chromosome identification and dose estimation](#), Journal of Visualized Experiments (in press).
12. Li Y, Knoll JHM, Wilkins RC, Flegal FN, and Rogan PK. [Automated Discrimination of Dicentric and Monocentric Chromosomes by Machine Learning-Based Image Processing](#). Microsc Res Tech., 2016

May;79(5):393-402. doi: 10.1002/jemt.22642.

13. Liu J, Li Y, Wilkins R, Flegal F, Knoll JHM, Rogan PK. [Accurate Cytogenetic Biodosimetry Through Automation Of Dicentric Chromosome Curation And Metaphase Cell Selection](#). F1000Research, 6: 1396 doi: 10.12688/f1000research.12226.1

14. Li Y, Shirley BC, Wilkins RC, Norton F, Knoll JHM, Rogan PK. [RADIATION DOSE ESTIMATION BY COMPLETELY AUTOMATED INTERPRETATION OF THE DICENTRIC CHROMOSOME ASSAY](#). Radiation Protection Dosimetry, ncy282, 2019. doi: [10.1093/rpd/ncy282](#)