

10th International Conference on Pattern Recognition and Machine Intelligence

December 12 - 15, 2023, Kolkata, India

Call for Papers: Special Session on

Machine Learning in Biomedicine with Few/Less Labelled Data

The aim of this special session is to address the lack of labelled data by proposing alternatives to manual labelling for the generation of training labels for supervised machine learning and use lower-quality labels for training leads to good classification results. This special session will provide ideas of effective learning from scarcely labelled datasets, utilize knowledge from existing knowledge bases, and learn without any labelled examples in improved health care by closing the need of potential of large biomedicine datasets. Papers are invited in all areas of Pattern Recognition and Machine Intelligence including, but not limited to, the following:

Topics:

- Weakly supervised, semi supervised, self-supervised learning in biomedicine data.
- Zero shot and few short learning in medical imaging
- Biomedical knowledge graph embedding
- Explainable diagnostics support system.
- Diagnostics support system based on electronic medical record.
- Multi-modal biomedical data analysis models
- Data anonymization methods for biomedical data
- Self-supervised learning for multi-modal biomedical data
- Sensing, detection, and recognition in medical image/signal
- Emerging digital healthcare applications
- Wearable medical wireless sensors
- Mobile and cloud computing for digital healthcare

Important Dates: **May 10**

- Paper submission: **April 30, 2023**
- Acceptance notification: **June 30, 2023**
- Camera-ready: **July 15, 2023**
- Contact: cse.rajdeep@gmail.com / sudipta1.roy@jioinstitute.edu.in

Submission Procedure: Please select special session “*Machine Learning in Biomedicine with Few/Less Labelled Data*” during submissions on online through EquinOCS following the submission link: <https://equinocs.springernature.com/service/PReMI2023>

Please visit <https://www.isical.ac.in/~premi23/submission.html> for more information.

Special Session Organizers:

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