

**Conversational Assistance Track results — (MLIA-LIP6) MLIA team - LIP6 - Sorbonne Universite**

| Run Description                 |  |
|---------------------------------|--|
| Run ID                          | Rewritt5_monot5  |
| Submission Category             | Raw utterance and canonical responses  |
| Query Method Features           | method performs generative query rewriting   |
| Query Data Features             | method uses data provided in the CAsT Y1 and/or Y2 datasets; method uses other external data   |
| Passage Ranking Method Features | method uses a deep learning (neural) model; method uses a pre-trained neural language model  |
| Passage Ranking Data Features   | method is trained with TREC Deep Learning Track and/or MS MARCO dataset  |
| Conversational Context Features | method uses previous raw utterances (queries) in the topic; method uses previous automatic canonical result for the topic; method uses previous automatic baseline results for the topic |

| Overall measures         |        | Document Level Averages |           |
|--------------------------|--------|-------------------------|-----------|
| Number of topics         | 158    |                         | Precision |
| Total number retrieved   | 11936  | At 5 docs               | 0.4924    |
| Total relevant           | 5505   | At 10 docs              | 0.4285    |
| Total relevant retrieved | 1752   | At 15 docs              | 0.3764    |
| Mean NDCG @ 3            | 0.3695 | At 20 docs              | 0.3307    |
| Mean NDCG @ 5            | 0.3721 | At 30 docs              | 0.2696    |
| Mean NDCG @ 500          | 0.3319 |                         |           |
| MAP @ 500                | 0.1898 |                         |           |



