1. **No.**

   FP01801007

2. **Title**

   Vitamin A Dependemt Activation of Tumor-Associated Alveolar Macrophages

3. **Period**

   2017-2019

4. **Summary**

   Small lipophilic metabolite, vitamin A, is reported to increase the risk of lung tumorigenesis caused by smoking, whereas molecular mechanisms of vitamin A-mediated carcinogenesis remains to be determined. In this study, I studied the effect of vitamin A on the activation of alveolar macrophages. Additionally, I investigated the cell type producing retinoic acid which is active vitamin A metabolite in lung tissues.