

主な研究課題・発表代表論文

呼吸器・感染症内科学講座 Respiratory Medicine and Infectious Disease

研究領域 医療情報解析学

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主な研究課題

- ・閉塞性肺疾患の病態生理に関わる分子機構の解明に関する研究
 - －閉塞性肺疾患における生理学的/生化学的モニタリング法の開発
 - －酸化・窒素化ストレスと気道リモデリング進展の関連機序の検討
 - －上気道と下気道の病態生理学的関連性における分子機構の解明
- ・呼吸器疾患と身体活動及びフレイルの関連機序の解明と早期診断マルチバイオマーカーの開発
- ・呼吸器・地域包括ケアシステムの先進的医療連携モデルの構築
- ・健康寿命の延伸に向けた包括的多面的アプローチによる肺炎予防の研究
- ・画像診断技術を用いた閉塞性・拘束性肺疾患の病態形成機序に関する研究
- ・山口県内における臨床的課題に関する疫学研究（喘息、間質性肺炎、COPD、肺癌、肺炎）
- ・呼吸器と脳の連関病態の機序解明及び解析システム構築に関する研究
- ・医工連携による呼吸器疾患病態自動解析システム構築に関する研究
- ・新型コロナウイルスワクチン有効性の予測モデル創出に関する研究
- ・細菌叢解析を基盤とした閉塞性・拘束・感染性肺疾患の病態形成機序と新規治療法開発に関する研究
- ・希少呼吸器疾患の特性解明と制御法に関する研究
- ・閉塞性肺疾患に対する予防・先制医療に向けたイノベーション創出モデルの構築

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