
皮膚病態治療再建学講座

【研究プロジェクト名および概要】

1. iPS 細胞由来遺伝子改変マクロファージおよび樹状細胞を用いた細胞医薬の開発
2. 新規核酸医薬を用いた皮膚悪性腫瘍の治療開発
3. 免疫チェックポイント阻害薬のバイオマーカー探索
4. 皮膚悪性腫瘍における cell free DNA を用いた新規バイオマーカーの開発
5. 皮膚有棘細胞癌の新規治療標的探索
6. 乳房外パジェット病の遺伝子発現解析と病態解明
7. 低酸素環境における血管肉腫悪性化機序の解明
8. 膠原病における各種サイトカインおよび細胞外マトリックスの病態への関与
9. 膠原病および皮膚悪性腫瘍における microRNA によるエピジェネティクス制御
10. 培養線維芽細胞のサイトカイン応答およびシグナル伝達の研究
11. 皮膚老化と血管新生、コラーゲン蛋白の代謝機構の解明
12. 皮膚末梢血管分布の解析
13. 難治性皮膚潰瘍および重症下肢虚血に対する末梢血単核球移植療法の開発
14. 先天性表皮水疱症に対する新規遺伝子治療の開発
15. アトピー性皮膚炎の治療予測バイオマーカー探索
16. 皮膚エネルギー代謝と老化の連関解明

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研究の統括
8, 9, 10, 11
2, 3, 4, 5, 12, 13
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2, 4, 6, 7, 9, 13
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【特殊技術・特殊装置】

xCELLigence system (Agilent)
NovoCyte フローサイトメーター (Agilent)
GetleMACS Dissociator (Miltenyi)
凍結マイクロトーム LEICA CM3050S
蛍光顕微鏡 80DM (ZEISS)
Thermal Cycler Dice™ Real Time System (TAKARA)
NanoDrop Lite (eppendorf)
ChemiDoc XRS (BIO-RAD)
Bio clean bench (SANYO)
CO2 incubator (SANYO)

【英文論文】

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