

# 2024年5月13日 星期三

今日天气：晴转多云，气温15-25℃

今日工作：完成项目A的初步方案，并与团队讨论。下午参加部门会议。

明日计划：继续完善项目A方案，并准备下周汇报材料。

备注：记得给绿植浇水，保持室内通风。

2024年5月13日

Cell Stem Cell

Human conjunctiva organoids to study ocular surface homeostasis and disease

摘要

Human conjunctiva organoids to study ocular surface homeostasis and disease

作者：[作者姓名]

发表日期：[发表日期]

关键词

关键词：[关键词]

[https://www.cell.com/cell-stem-cell/fulltext/S1934-5909\(23\)00438-1](https://www.cell.com/cell-stem-cell/fulltext/S1934-5909(23)00438-1)

Cell

in vivo [关键词]

## Human fetal brain self-organizes into long-term expanding organoids

<https://www.sciencedirect.com/science/article/pii/S0092867423013442>

# Single-cell guided prenatal derivation of primary fetal epithelial organoids from human amniotic and tracheal fluids

<https://www.nature.com/articles/s41591-024-02807-z>

[illegible]

<https://www.nature.com/articles/s42255-023-00855-2>

## CD8 T cell metabolism Nature Metabolism

Asparagine restriction enhances CD8<sup>+</sup> T cell metabolic fitness and antitumoral functionality through an NRF2-dependent stress response

2020

Asparagine restriction enhances CD8<sup>+</sup> T cell metabolic fitness and antitumoral functionality through an NRF2-dependent stress response

CD8<sup>+</sup> T cell metabolic fitness and antitumoral functionality

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<https://www.nature.com/articles/s42255-023-00856-1>

## CD8 T cell metabolism Nature

CD8<sup>+</sup> T cell metabolic fitness and antitumoral functionality

2020

*Trans*-vaccenic acid reprograms CD8<sup>+</sup> T cells and anti-tumour immunity

Trans-vaccenic acid reprograms CD8<sup>+</sup> T cells and anti-tumour immunity

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<https://www.nature.com/articles/s41586-023-06749-3>

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最新研究Science

维生素D调节微生物群依赖的癌症免疫

摘要

Vitamin D regulates microbiome-dependent cancer immunity

维生素D通过调节微生物群来调节癌症免疫。在患有癌症的小鼠模型中，维生素D补充剂显著改善了免疫系统对肿瘤的响应，并减少了炎症。这些发现表明，维生素D可能是一种潜在的癌症治疗辅助剂。

关键词

维生素D, 微生物群, 癌症免疫

<https://www.science.org/doi/10.1126/science.adh7954>

背景

维生素D是一种重要的维生素，参与调节免疫系统。最近的研究表明，维生素D可能通过调节微生物群来影响免疫系统。

在本研究中，我们探讨了维生素D对微生物群依赖的癌症免疫的调节作用。

我们使用小鼠模型研究了维生素D对免疫系统的影响。结果显示，维生素D补充剂显著改善了免疫系统对肿瘤的响应，并减少了炎症。

结论

维生素D可能是一种潜在的癌症治疗辅助剂。

参考文献

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2024年5月11日GPCR- 蛋白质结构解析  
蛋白质结构解析3

蛋白质结构解析是理解蛋白质功能的关键。最近的研究表明，GPCR- 蛋白质的结构解析对于理解其在信号转导中的作用至关重要。本文介绍了最新的蛋白质结构解析技术，并讨论了其在GPCR- 研究中的应用。

GPCR

GPCR-13

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## GPCR-3

## GPCR- Cell Reports

335 GPCR108 109 GPCR

Systematic characterization of multi-omics landscape between gut microbial metabolites and GPCRome in Alzheimer's disease

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(24\)00456-X](https://www.cell.com/cell-reports/fulltext/S2211-1247(24)00456-X)

GWAS AlphaFold2

Cell Reports

## GPCR-G Cell

GPCR-G ONE-GO

Direct interrogation of context-dependent GPCR activity with a universal biosensor platform

<https://www.sciencedirect.com/science/article/abs/pii/S0092867424000655>

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GPCR

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<https://www.addgene.org/kits/garcia-marcos-one-go-biosensors>

GPCR 96 Cell

GPCR196PREST0-Salsa

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## Highly multiplexed bioactivity screening reveals human and microbiota metabolome-GPCRome interactions

[https://www.cell.com/cell/abstract/S0092-8674\(23\)00543-3](https://www.cell.com/cell/abstract/S0092-8674(23)00543-3)

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1041 GPCR

435 GPCR *Porphyromonas gingivalis* CD97/ADGRE5

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## Identification of an alternative triglyceride biosynthesis pathway

<https://www.nature.com/articles/s41586-023-06497-4>

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DIESL TMX1 DIESL

Science

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## Aster-dependent nonvesicular transport facilitates dietary cholesterol uptake



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Science Immunology

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## Gut bacteria-derived serotonin promotes immune tolerance in early life

<https://www.science.org/doi/10.1126/sciimmunol.adj4775>

[illegible][illegible]

# The microbiota drives diurnal rhythms in tryptophan metabolism in the stressed gut

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# Microbiota metabolism of intestinal amino acids impacts host nutrient homeostasis and physiology

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<https://www.sciencedirect.com/science/article/pii/S00928674230>

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# A multi-tissue metabolome atlas of primate pregnancy

[https://www.cell.com/cell/abstract/S0092-8674\(23\)01329-6](https://www.cell.com/cell/abstract/S0092-8674(23)01329-6)

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## □□□□□□□□□□□□ Nature Metabolism

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# Maternal circadian rhythm disruption affects neonatal inflammation via metabolic reprogramming of myeloid cells

<https://www.nature.com/articles/s42255-024-01021-y>

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MDSCs

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