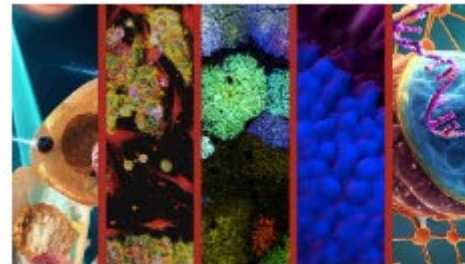




การใช้งานฐานข้อมูล Cell Press & Nature รุ่นที่ 2



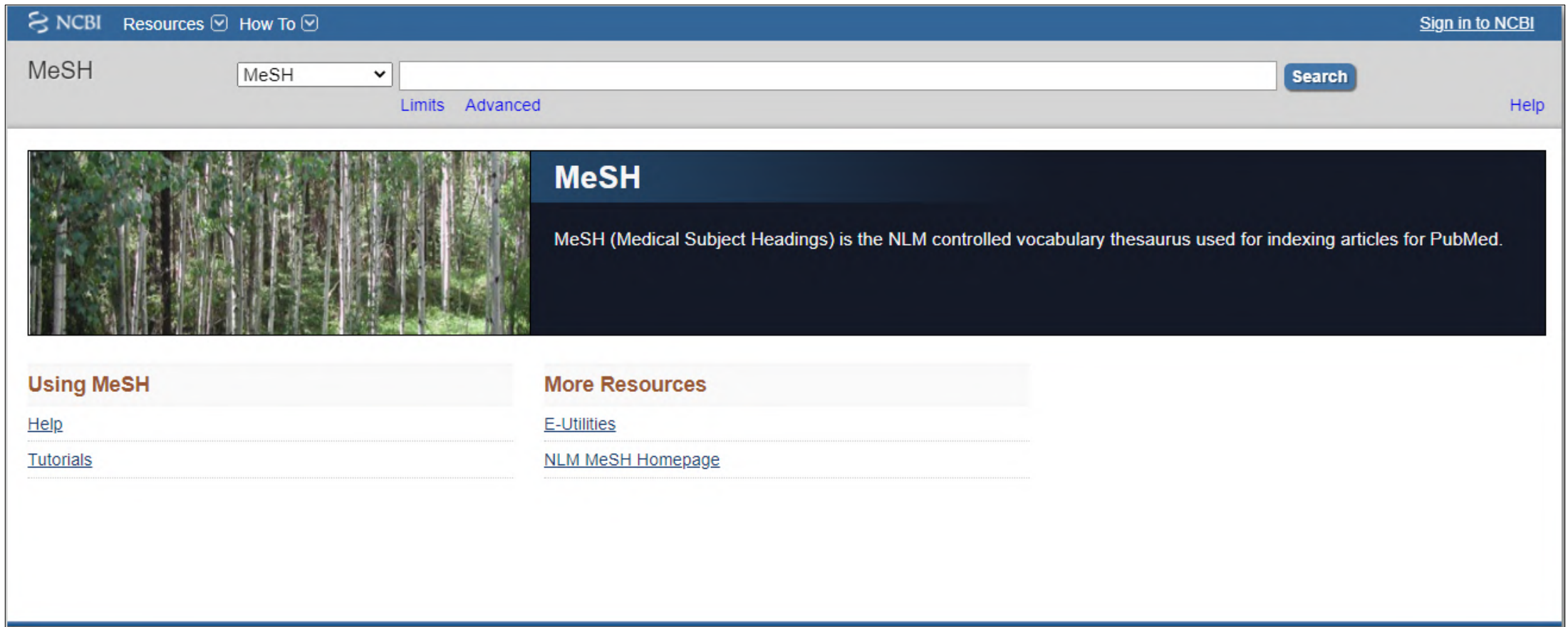


รายละเอียด

1. แนะนำกลุ่มคำ Thesaurus/Synonyms
2. Boolean Operators
3. แนะนำช่องทางการเข้าถึงวารสารและฐานข้อมูลอิเล็กทรอนิกส์
4. แนะนำการใช้งานฐานข้อมูล Cell Press & Nature

1. แนะนำกลุ่มคำ Thesaurus/Synonyms

MeSH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for indexing articles for PubMed. <https://www.ncbi.nlm.nih.gov/mesh/>



The screenshot shows the MeSH website interface. At the top, there is a navigation bar with "NCBI Resources" and "How To" menus, and a "Sign in to NCBI" link. Below this is a search bar with "MeSH" selected in a dropdown menu, a search input field, and a "Search" button. There are also links for "Limits" and "Advanced" search options, and a "Help" link. The main content area features a large image of a forest on the left and a dark blue header with the text "MeSH" and "MeSH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for indexing articles for PubMed." Below this, there are two columns of links: "Using MeSH" with links for "Help" and "Tutorials", and "More Resources" with links for "E-Utilities" and "NLM MeSH Homepage".

1. แนะนำกลุ่มคำ Thesaurus/Synonyms

NCBI Resources How To

MeSH MeSH Cancer

Create alert Limits Advanced

Summary 20 per page Send to:

Search results

Items: 1 to 20 of 396 << First < Prev Page 1 of 20 Next > Last >>

- [Neoplasms](#)
 1. New abnormal growth of tissue. Malignant **neoplasms** show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign **neoplasms**.
Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965
- [Hereditary Breast and Ovarian **Cancer** Syndrome](#)
 2. Autosomal dominant HEREDITARY **CANCER** SYNDROME in which a mutation most often in either BRCA1 or BRCA2 is associated with a significantly increased risk for breast and ovarian cancers.
Year introduced: 2012
- [Early Detection of **Cancer**](#)
 3. Methods to identify and characterize **cancer** in the early stages of disease and predict tumor behavior.
Year introduced: 2009

1. แนะนำกลุ่มคำ Thesaurus/Synonyms

NCBI Resources How To

MeSH MeSH Limits Advanced

Full Send to:

Neoplasms

New abnormal growth of tissue. Malignant neoplasms show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign neoplasms.
Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965

PubMed search builder options
[Subheadings:](#)


<input type="checkbox"/> abnormalities	<input type="checkbox"/> education	<input type="checkbox"/> pathology
<input type="checkbox"/> administration and dosage	<input type="checkbox"/> embryology	<input type="checkbox"/> pharmacology
<input type="checkbox"/> analysis	<input type="checkbox"/> enzymology	<input type="checkbox"/> physiology
<input type="checkbox"/> anatomy and histology	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> antagonists and inhibitors	<input type="checkbox"/> ethnology	<input type="checkbox"/> prevention and control
<input type="checkbox"/> biosynthesis	<input type="checkbox"/> etiology	<input type="checkbox"/> psychology
<input type="checkbox"/> blood	<input type="checkbox"/> genetics	<input type="checkbox"/> radiation effects
<input type="checkbox"/> blood supply	<input type="checkbox"/> growth and development	<input type="checkbox"/> radiotherapy
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> history	<input type="checkbox"/> rehabilitation
<input type="checkbox"/> chemical synthesis	<input type="checkbox"/> immunology	<input type="checkbox"/> secondary
<input type="checkbox"/> chemically induced	<input type="checkbox"/> injuries	<input type="checkbox"/> statistics and numerical data



Tree Number(s): C04
MeSH Unique ID: D009369
Entry Terms:

- Neoplasia
- Neoplasias
- Neoplasm
- Tumors
- Tumor
- Cancer
- Cancers
- Malignancy
- Malignancies
- Malignant Neoplasms
- Malignant Neoplasm
- Neoplasm, Malignant
- Neoplasms, Malignant
- Benign Neoplasms
- Neoplasms, Benign
- Benign Neoplasm
- Neoplasm, Benign

1. แนะนำกลุ่มคำ Thesaurus/Synonyms (2)



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Quick search

Quick PICO PV Wizard Medical device Advanced Drug Disease Device Citation information Query translator

Find articles by simple keyword search or build more complex queries [Search tips](#)

Broad search e.g. 'heart attack' AND stress
cancer

- cancer use: malignant neoplasm 4,844,258
- cancers use: malignant neoplasm 4,844,258
- cancer chemotherapeutic agent use: antineoplastic agent 3,318,870
- cancer inhibitor use: antineoplastic agent 3,318,870
- cancer therapy 1,157,344
- cancer cure use: cancer therapy 1,157,344
- cancer healing use: cancer therapy 1,157,344
- cancer remedy use: cancer therapy 1,157,344
- cancer treatment use: cancer therapy 1,157,344
- cancer in the digestive tract use: digestive system 1 103 030

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Broad search e.g. 'heart attack' AND stress
stem cell

- stem cell 511,843
- stem cells use: stem cell 511,843
- stem cell leukaemia use: leukemia 461,620
- stem cell leukemia use: leukemia 461,620
- stem cell transplantation 204,790
- stem cell based therapy use: stem cell transplantation 204,790
- stem cell therapy use: stem cell transplantation 204,790
- stem cell, mesenchymal use: mesenchymal stem cell 90,003
- stem cell, tumor use: cancer stem cell 46,006
- stem cell, tumour use: cancer stem cell 46,006

Broad search e.g. 'heart attack' AND stress
rubber tree

- rubber tree use: Hevea brasiliensis 737

Show 1,527 results

1. แนะนำกลุ่มคำ Thesaurus/Synonyms (2)



Search **Emtree** Journals Results My tools



Sign in

Emtree

Browse Emtree

Search term in Emtree
malignant neoplasm

- ⊙ Emtree
 - ⊙ diseases
 - ⊙ physical disease
 - ⊙ physical disease by etiology and pathogenesis
 - ⊙ neoplasm
 - ⊙ malignant neoplasm
 - advanced cancer
 - bilateral cancer
 - childhood cancer
 - congenital cancer
 - disseminated cancer
 - drug induced cancer
 - early cancer
 - malignant mesothelioma

Term information Query builder

malignant neoplasm

Extend search using: /exp

Show 4,931,406 results

Take to Disease search + Add to query builder

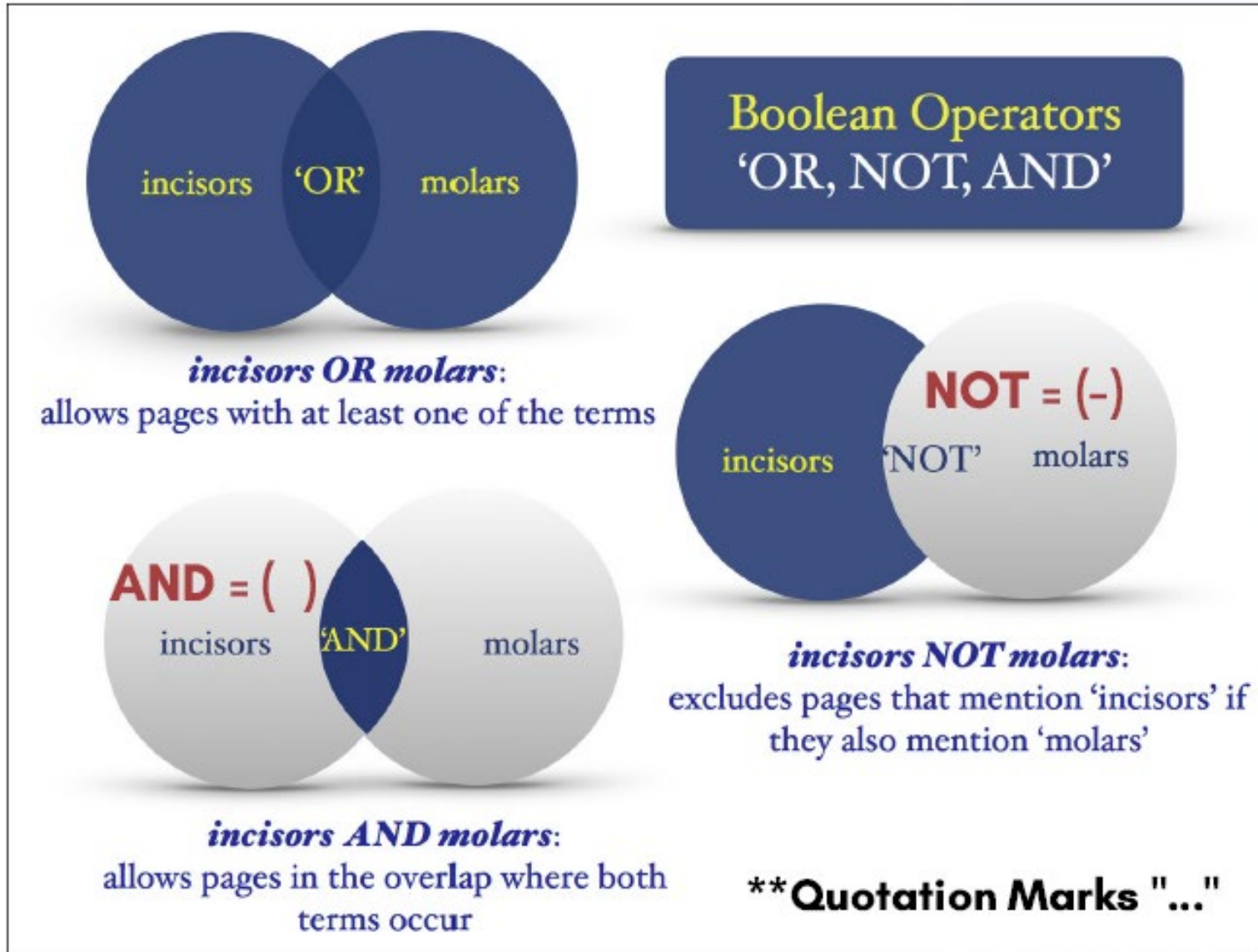
^ Synonyms (16)

Copy

- cancer
- cancers
- malignant neoplasia
- malignant neoplastic disease
- malignant tumor
- malignant tumour
- neoplasia, malignant
- neoplastic malignancy
- neoplastic malignancy
- oncologic malignancy
- oncological malignancy
- tumor, malignant
- tumoral malignancy
- tumorous malignancy
- tumour, malignant
- malignant neoplasm

2. แนะนำ Boolean Operators

Boolean Operators เป็นการสร้างความเชื่อมโยงของ keywords ตั้งแต่ 2 คำขึ้นไป



3. แนะนำเข้าแหล่งสารสนเทศผ่าน <https://login.ejournal.mahidol.ac.th/login>

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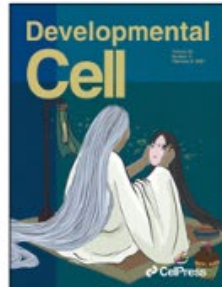
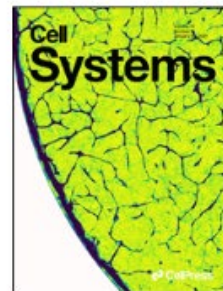
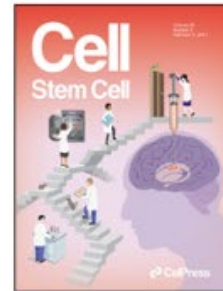
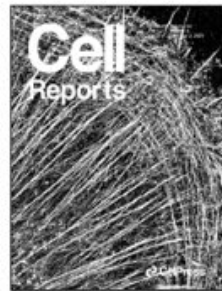
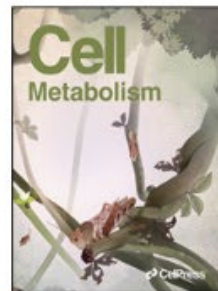
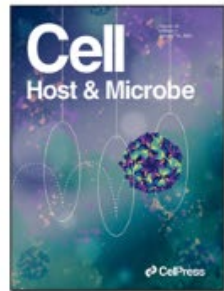
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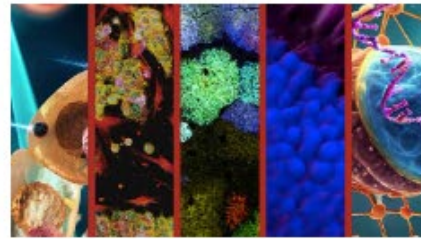


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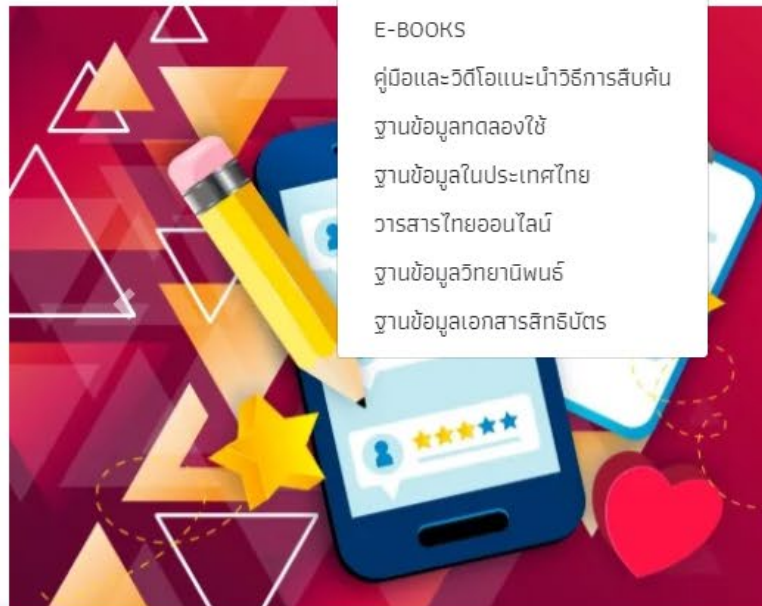
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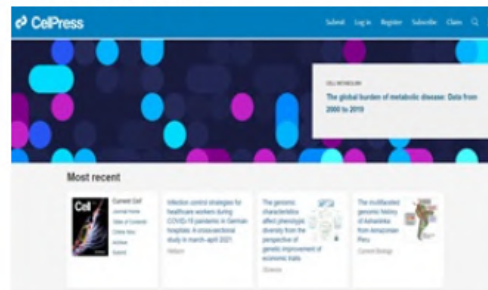
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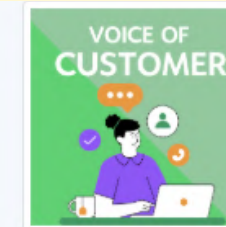
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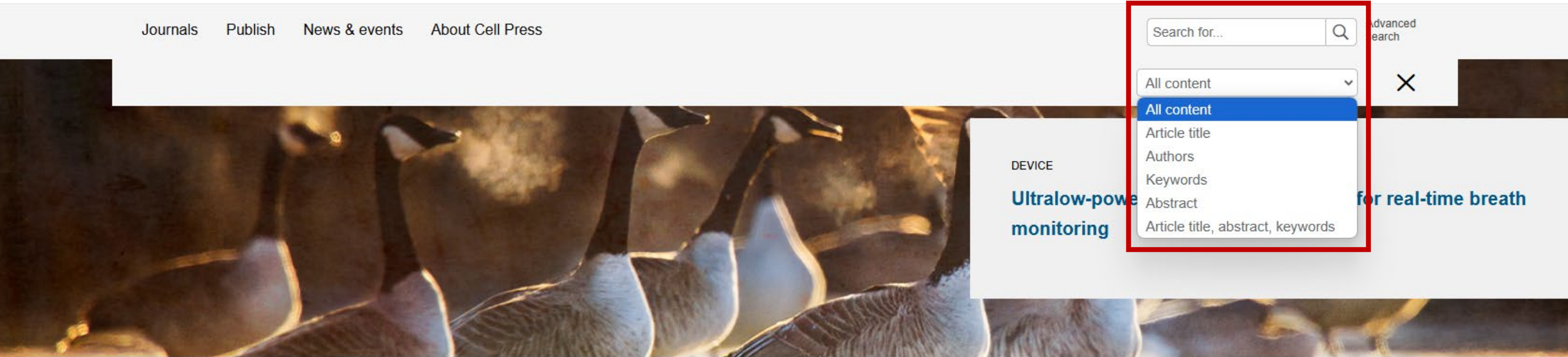
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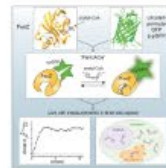
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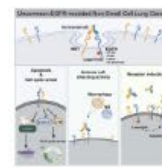
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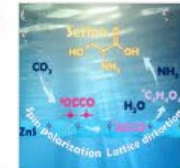
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Relationship between temporal anomalies in PM_{2.5} concentrations and reported influenza/influenza-like illness activity

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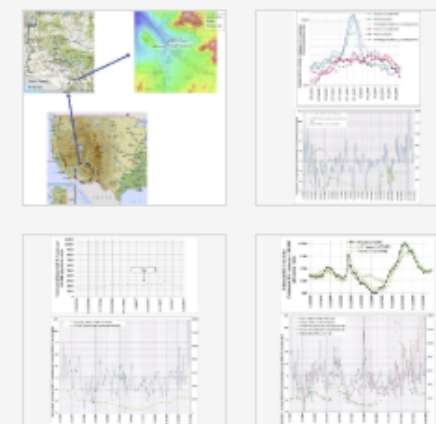
A small number of studies suggest atmospheric particulate matter with diameters 2.5 micron and smaller (PM_{2.5}) may possibly play a role in the transmission of influenza and influenza-like illness (ILI) symptoms. Those studies were predominantly conducted under moderately to highly polluted outdoor atmospheres. The purpose of this study was to extend the data set to include a less polluted atmospheric environment. A relationship between PM_{2.5} and ILI activity extended to include lightly to moderately polluted atmospheres could imply a more complicated mechanism than that suggested by existing studies. We obtained concurrent PM_{2.5} mass concentration data, meteorological data and reported Influenza and influenza-like illness (ILI) activity for the light to moderately polluted atmospheres over the Tucson, AZ region. We found no relation between PM_{2.5} mass concentration and ILI activity. There was an expected relation between ILI, activity, temperature, and relative humidity. There was a possible relation between PM_{2.5} mass concentration anomalies and ILI activity. These results might be due to the small dataset size and to the technological limitations of the PM measurements. Further study is recommended since it would improve the understanding of ILI transmission and thereby improve ILI activity/outbreak forecasts and transmission model accuracies.

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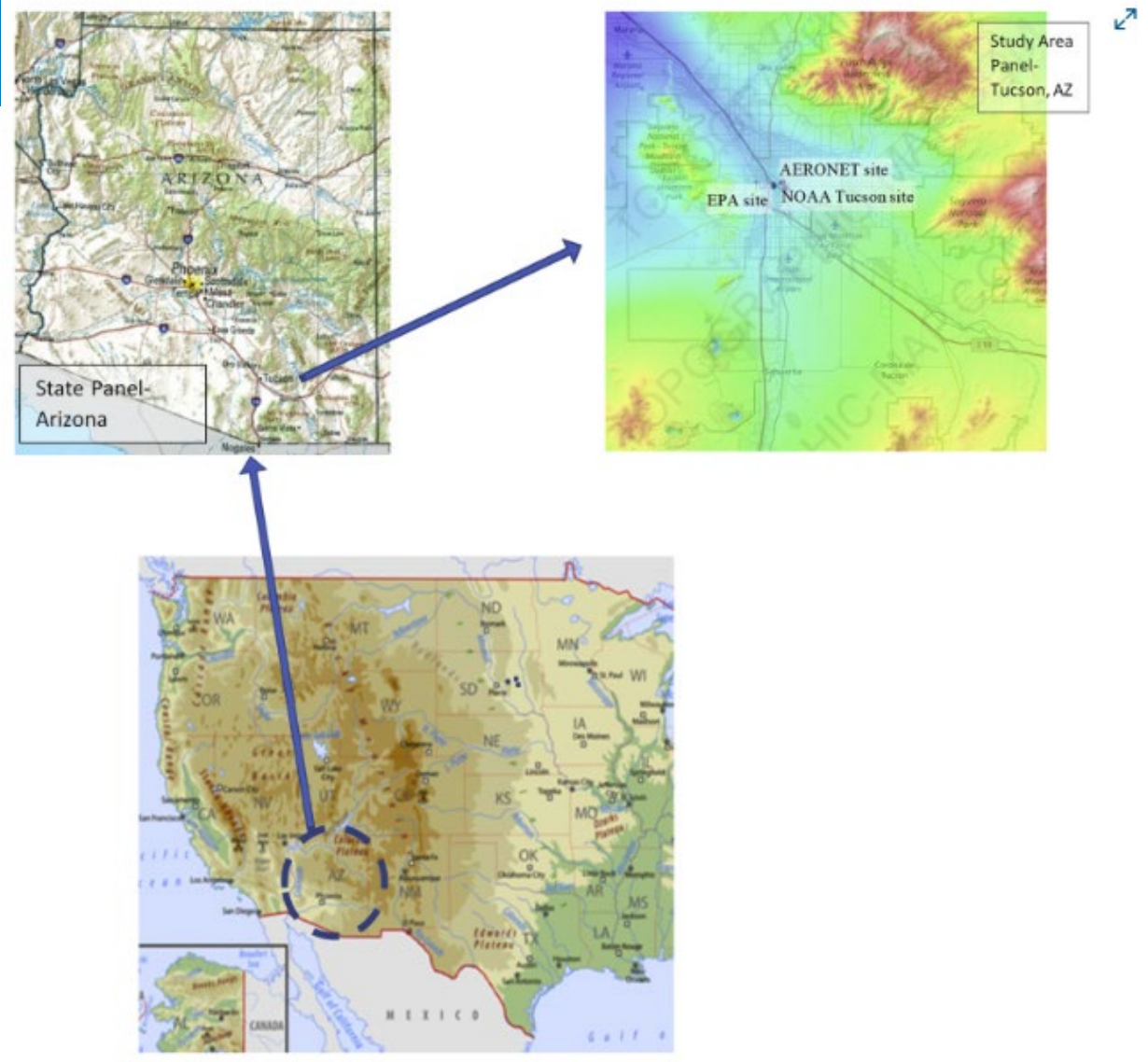


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Figure 1 Topographical Map of the USA west of the Mississippi River, stepped to the state of Arizona (State panel-Arizona), and to the study area (Study Area Panel-Tucson, AZ). (Sources: USGS online free map site, [Study Area Panel – Tucson, AZ], <http://www.wanderlustwonder.com/wp-content/uploads/2012/04/topographic-map-of-arizona.jpg> [State panel-Arizona(AZ)], and world atlas-<https://www.worldatlas.com/img/us-map/physical-us-map.png> [United States of America (USA) west of the Mississippi River Panel]).

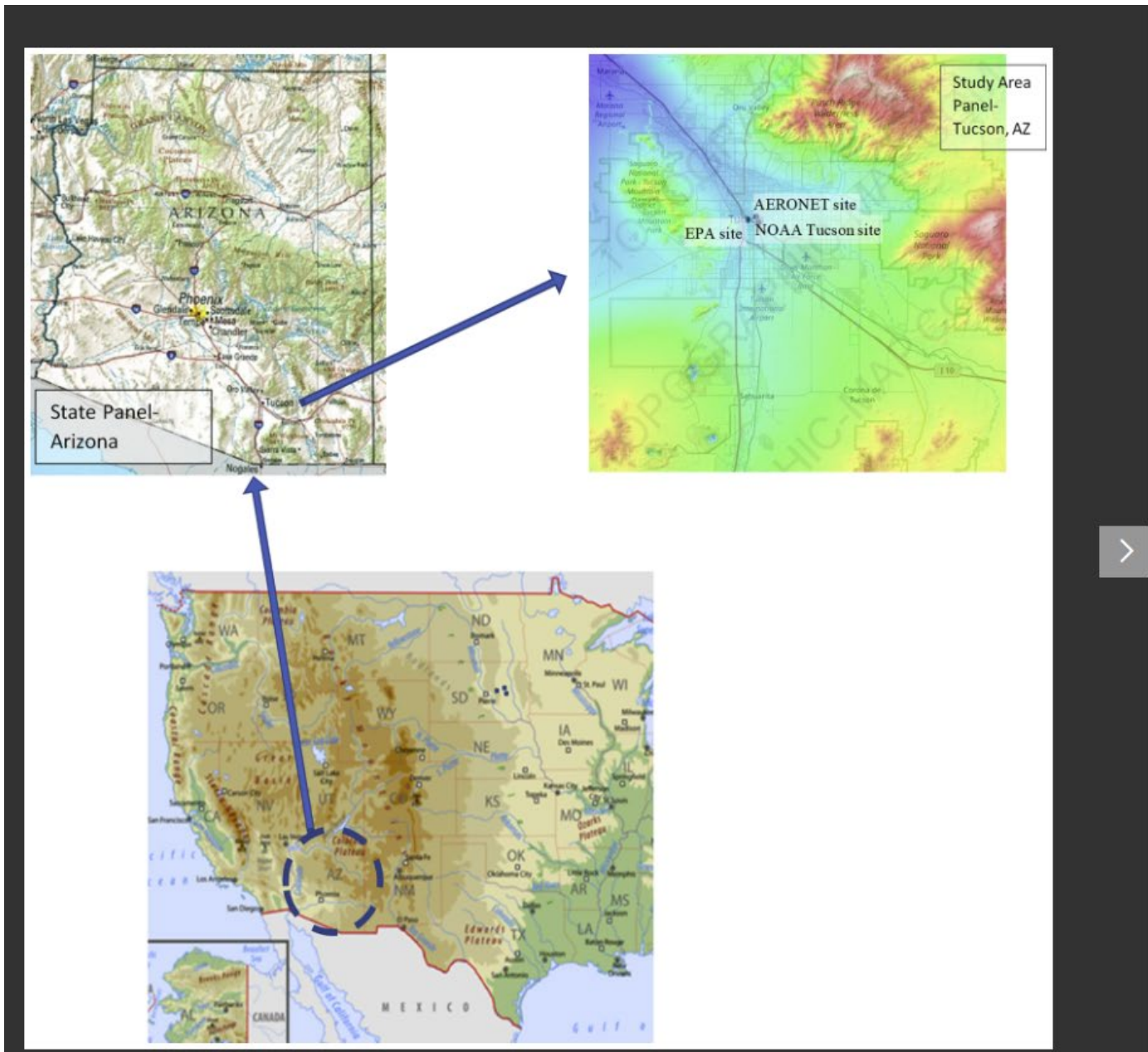


Figure 1. Topographical Map of the USA west of the Mississippi River, stepped to the state of Arizona (State panel-Arizona), and to the study area (Study Area Panel-Tucson, AZ). (Sources: USGS online free map site, [Study Area Panel – Tucson, AZ], <http://www.wanderlustwonder.com/wp-content/uploads/2012/04/topographic-map-of-arizona.jpg> [State panel-Arizona(AZ)], and world atlas-<https://www.worldatlas.com/img/us-map/physical-us-map.png> [United States of America (USA) west of the Mississippi River Panel]).

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Relationship between temporal anomalies in PM_{2.5} concentrations and reported influenza/influenza-like illness activity

T.P. DeFelice

Heliyon
Volume 6 Issue 8 (August 2020)
DOI: 10.1016/j.heliyon.2020.e04726

Figure 1



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1 Introduction

A handful of all health-related studies have focused on the relationship between influenza and influenza-like illness (herein collectively denoted as ILI) activity and outdoor atmospheric aerosols. They are mostly associated with moderate to higher aerosol-burdened atmospheric boundary-layer environments. For example, [Huang et al. \(2016\)](#) found a relation between concentration of particulate matter (PM) with diameters of approximately 2.5 microns and smaller (denoted as PM_{2.5}) and influenza-like cases in Nanjing, China. [Feng et al. \(2016\)](#) found a particulate matter with effective diameters of 2.5 micron and smaller (PM_{2.5}) to be correlated with reported influenza and influenza-like illness (ILI) activity in the atmospheric boundary layer of Beijing. [Wang et al. \(2019\)](#) found a similar relationship, but with allergic rhinitis in a very polluted environment. [Chen et al. \(2020\)](#) found differences in diurnal pattern of PM_{2.5} in different seasons and cities in India. There are still unresolved questions addressing the effect of atmospheric aerosols on virus transmission (e.g., [CDC, 2020](#); [Yan et al., 2018](#); [De Longueville et al., 2013](#); [Lemieux et al., 2007](#)).

We sought to pursue a more immediate question, Does the PM_{2.5} and ILI activity relationship only exist in high aerosol burdened or highly polluted boundary-layer air masses? Given the findings from the previous studies one would not expect

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Article Description

A small number of studies suggest atmospheric particulate matter with diameters 2.5 micron and smaller (PM 2.5) may possibly play a role in the transmission of influenza and influenza-like illness (ILI) symptoms. Those studies were predominantly conducted under moderately to highly polluted outdoor atmospheres. The purpose of this study was to extend the data set to include a less polluted atmospheric environment. A relationship between PM2.5 and ILI activity extended to include lightly to moderately polluted atmospheres could imply a r

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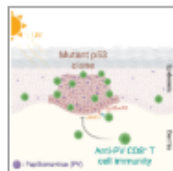
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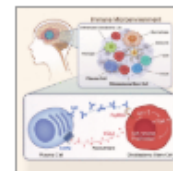


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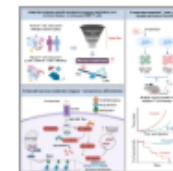


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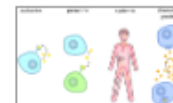
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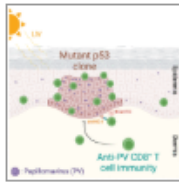
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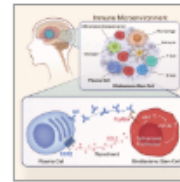


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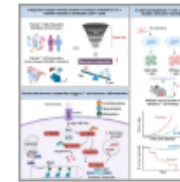


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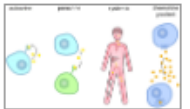


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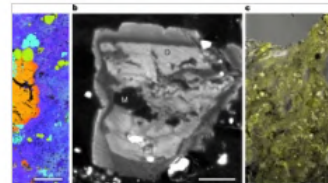
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Risk factors

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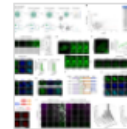
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Feng Xie, Xiaoxue Zhou & Long Zhang



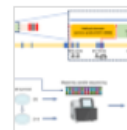
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Functional evaluation and clinical classification of BRCA2 variants

Results from a comprehensive evaluation of the function of *BRCA2* variants, particularly variants of uncertain significance, provide a useful resource to improve the clinical management of individuals who carry such genetic variants.

Huaizhi Huang, Chunling Hu & Fergus J. Couch








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Article | Published: 15 January 2025

Targeting FOXM1 condensates reduces breast tumour growth and metastasis

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[Nature](#) (2025) | [Cite this article](#)

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Abstract

Identifying phase-separated structures remains challenging, and effective intervention methods are currently lacking¹. Here we screened for phase-separated proteins in breast tumour cells and identified forkhead (FKH) box protein M1 (FOXM1) as the most prominent candidate. Oncogenic FOXM1 underwent liquid–liquid phase separation (LLPS) with FKH consensus DNA element, and compartmentalized the transcription apparatus in the nucleus, thereby sustaining chromatin accessibility and super-enhancer landscapes crucial for tumour metastatic outgrowth. Screening an epigenetics compound library identified AMPK agonists as suppressors of FOXM1 condensation. AMPK phosphorylated FOXM1 in

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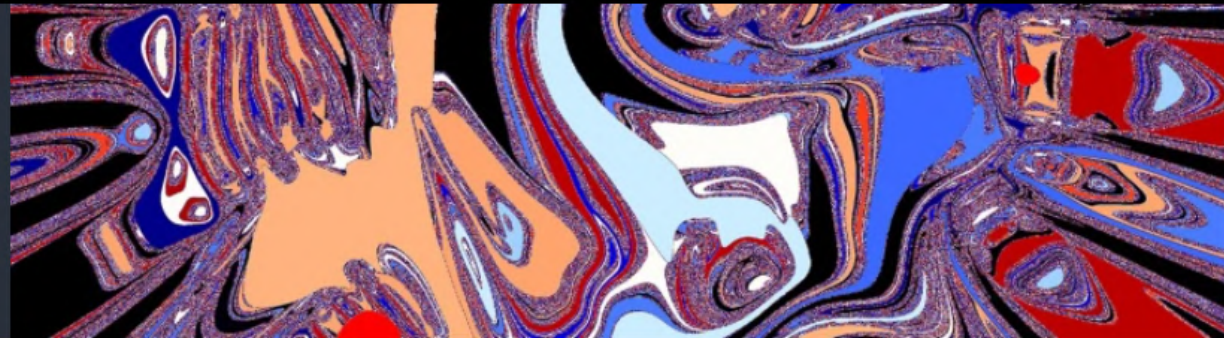
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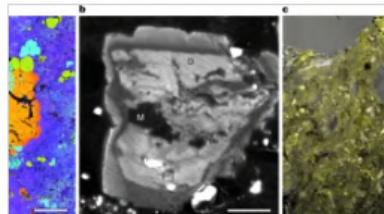


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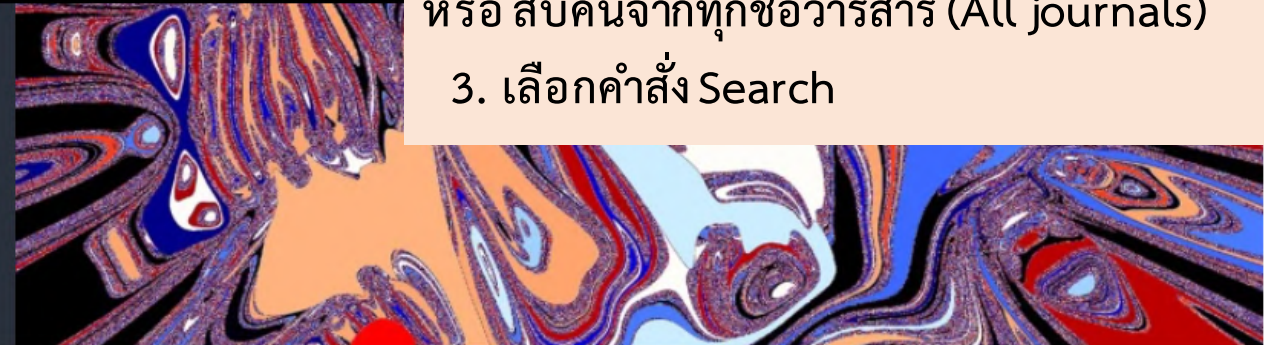
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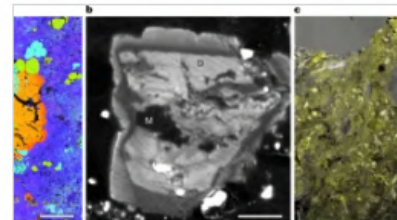


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Nature Reviews Gastroenterology & Hepatology
Volume: 19, P: 488

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Research Highlights

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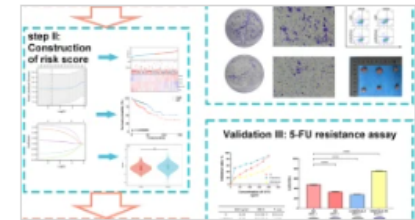
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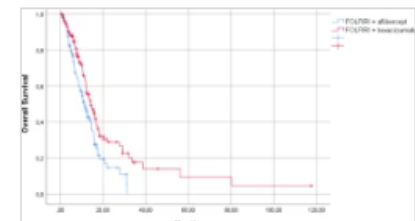
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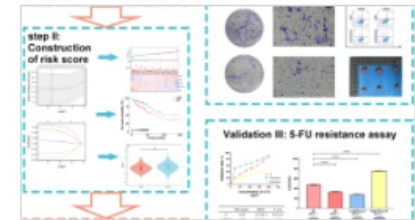
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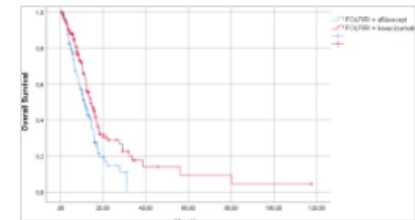
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Abstract

Chemotherapy is an effective way to improve the prognosis of colorectal cancer patients, but patient resistance to chemotherapeutic agents is becoming a major obstacle to treatment. Nucleotide metabolism correlates with the progression of colorectal cancer and chemotherapy resistance, but the mechanisms involved need to be further investigated. We calculated the half-maximal inhibitory concentrations (IC₅₀) of 5-Fluorouracil (5-FU) in colorectal cancer patients using the “oncopredict” package, screened nucleotide metabolism-related drug

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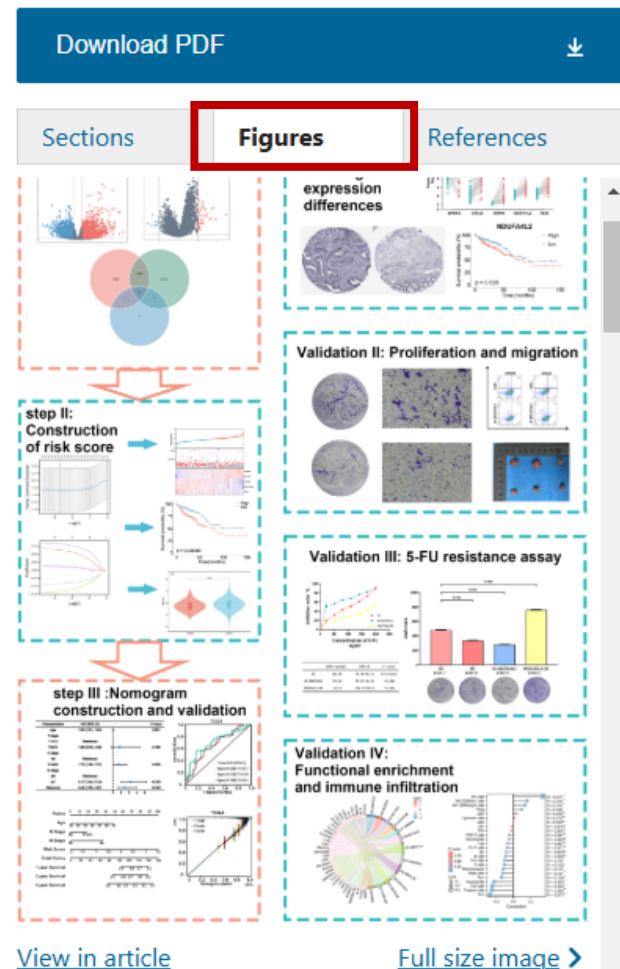
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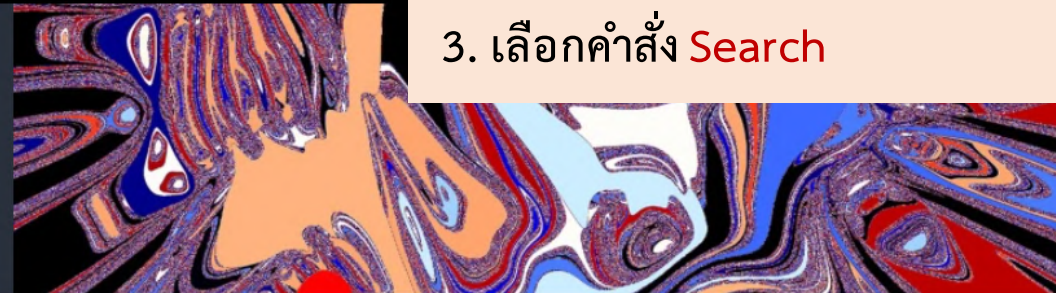
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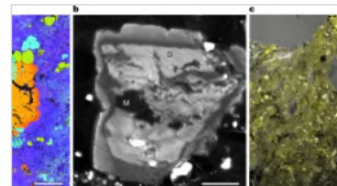
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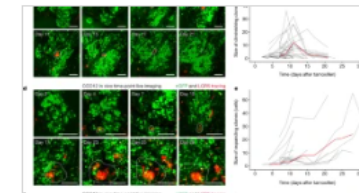
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Volume: 608, P: 784-794

Cell–matrix interface regulates dormancy in human colon cancer stem cells

A genetic lineage-tracing system in human colorectal organoids identifies a population of dormant cancer cells that persists during chemotherapy and enables cancer regrowth, and the cell-adhesion molecule COL17A1 has a key role in the process of breaking dormancy.

Yuki Ohta, Masayuki Fujii ... Toshiro Sato



Research

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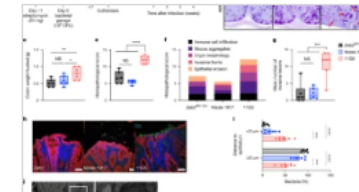
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Volume: 635, P: 472-480

Colibactin-driven colon cancer requires adhesin-mediated epithelial binding

The oncogenic potential of *pks*⁺ *Escherichia coli* depends critically on bacterial adhesion to host epithelial cells mediated by the type 1 pilus adhesin FimH and the F9 pilus adhesin FmIH.

Maude Jans, Magdalena Kolata ... Lars Vereecke



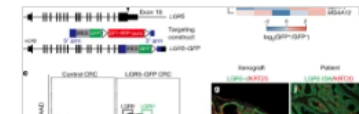
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Nature

Visualization and targeting of LGR5⁺ human colon cancer stem cells

LGR5⁺ cells in human colorectal cancer tissue xenografted into mice act as cancer stem cells, and differentiated cancer cells can revert to cancer stem cells and express LGR5 after ablation of existing LGR5⁺ cells.





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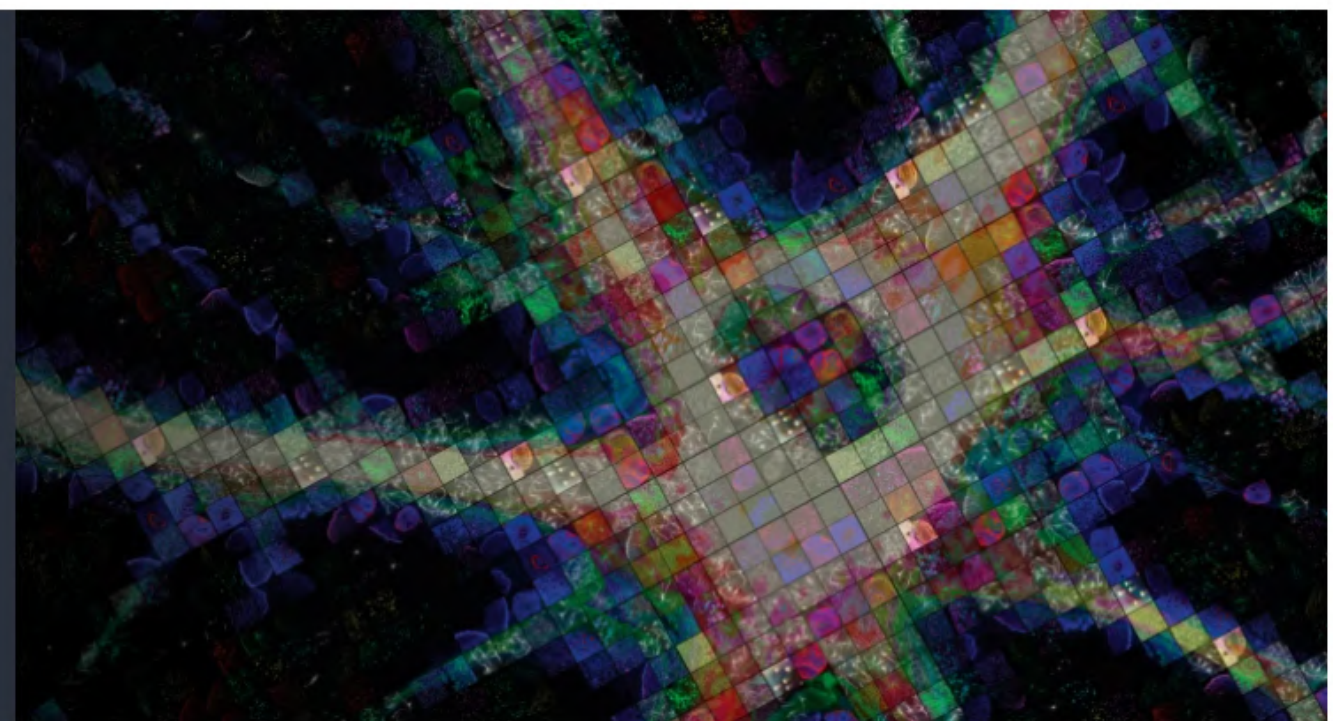
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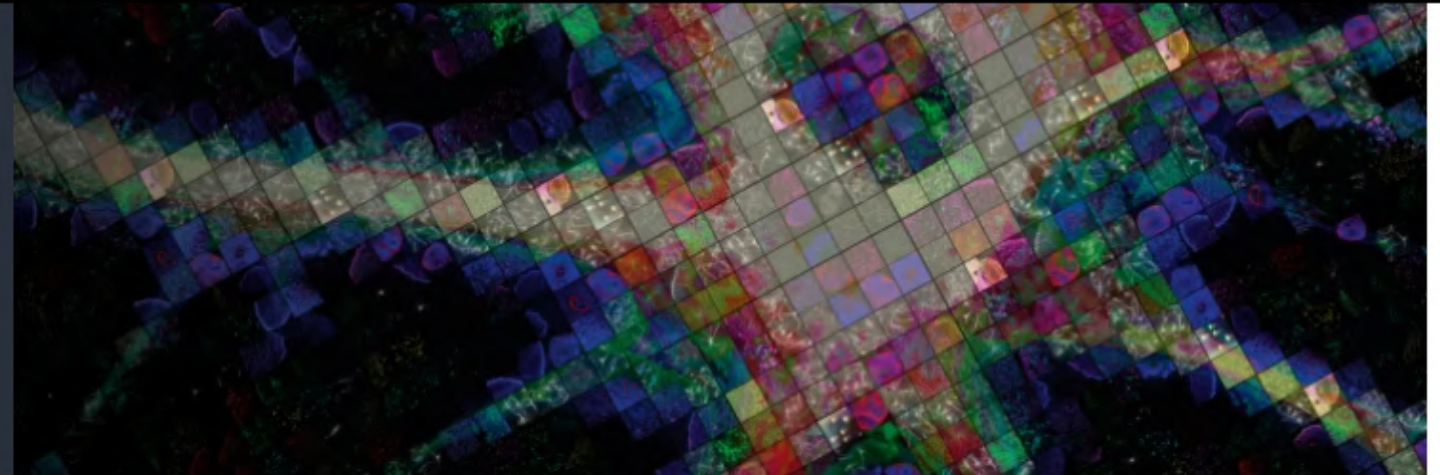
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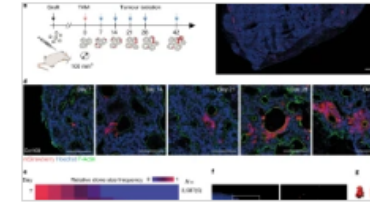
Nature Cell Biology

Volume: 20, P: 1193-1202

Stem cell functionality is microenvironmentally defined during tumour expansion and therapy response in colon cancer

Lenos *et al.* report that the spatiotemporal regulation of stem cell functionality is not intrinsically determined but environmentally defined during tumour growth and drug response in colon cancer.

Kristiaan J. Lenos, Daniël M. Miedema ... Louis Vermeulen


Research

15 Aug 2016

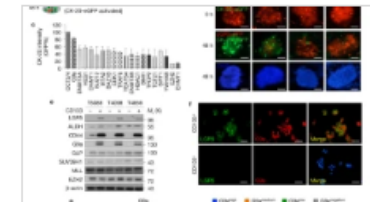
Nature Cell Biology

Volume: 18, P: 993-1005

G9a/RelB regulates self-renewal and function of colon-cancer-initiating cells by silencing Let-7b and activating the K-RAS/ β -catenin pathway

Cha *et al.* report that the G9a/RelB axis represses Let-7b through DNMT3A, and sustains K-RAS and β -catenin signalling, thereby controlling the maintenance and function of colorectal-cancer-initiating cells.

Shih-Ting Cha, Ching-Ting Tan ... Min-Liang Kuo


Research

01 Jun 2014

Nature Cell Biology

Volume: 16, P: 685-694

Colon cancer cells colonize the lung from established liver metastases through p38 MAPK signalling and PTHLH

Gomis and colleagues report on the mechanisms driving colon cancer metastasis. They show that whereas ERK2 activity promotes colon cancer metastasis to the liver, reduced p38 signalling upregulates the PTHLH cytokine to allow liver metastatic cell extravasation and colonization of the lung.

