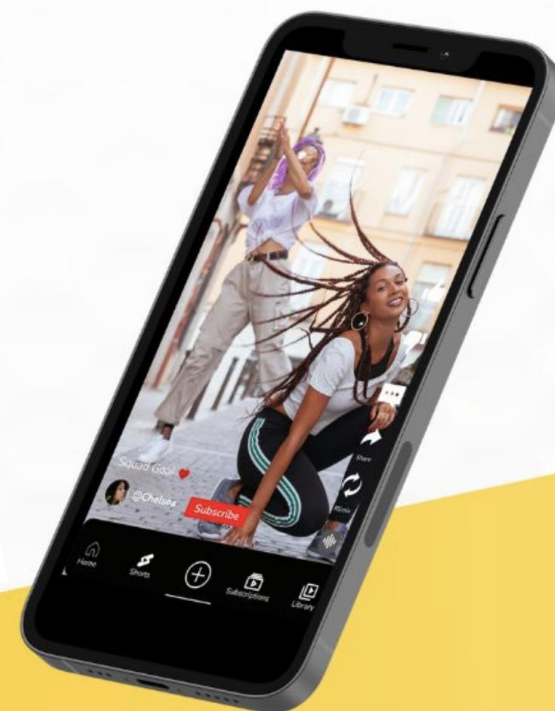


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beyond the citations: to unleash the research novelty using video



NEWS FEATURE • 13 DECEMBER 2017

The science that's never been cited

Nature investigates how many papers really end up without a single citation.

Richard Van Noorden

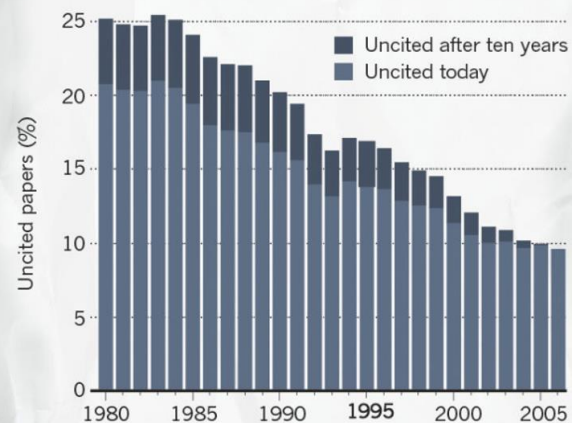


UNCITED SCIENCE

Data from the Web of Science give an incomplete picture of how much science is never cited: many papers it records as having no citations have actually been cited somewhere.

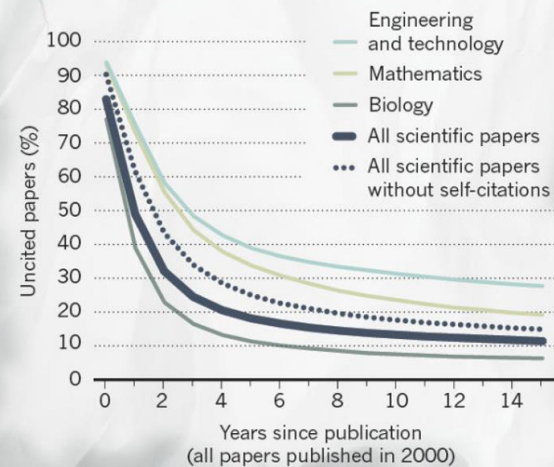
Downward trend

The share of scientific articles recorded as 'uncited' in each year is falling.



Disciplinary differences

The share of uncited papers from any year falls as time goes by, but at differing rates in different disciplines.



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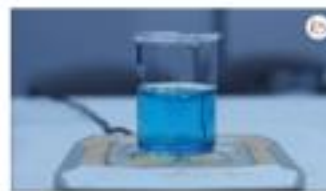


Unleash research novelty using video



Full-text

"A video is worth
1.8 million words!"

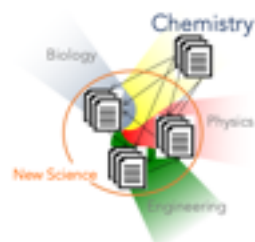


Video abstract

The challenges of making video

1. Do yourself > investment of new skills (script-writing/video making/animation)
2. Outsource > someone understand your work
3. Define your targeted audience > expert audience vs public audience
4. Understand the concept of teaser videos
5. Engage the audience with omni-channel experience > "branding" or Impact Profile

The art of engagement: multidisciplinary to transdisciplinary

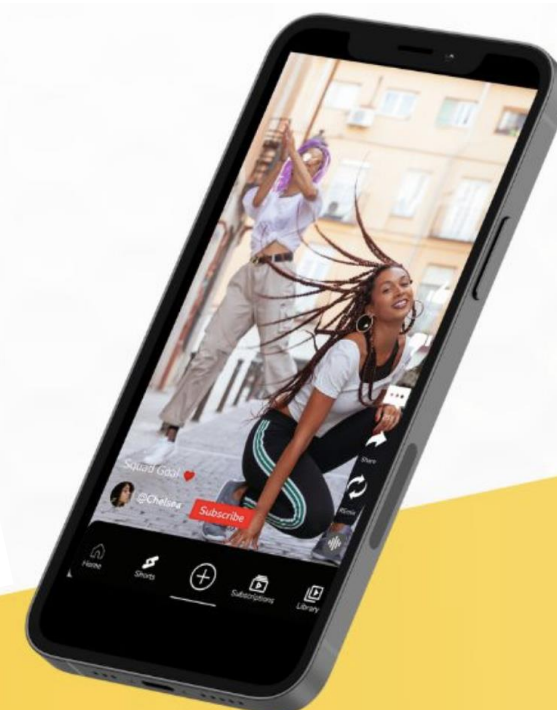
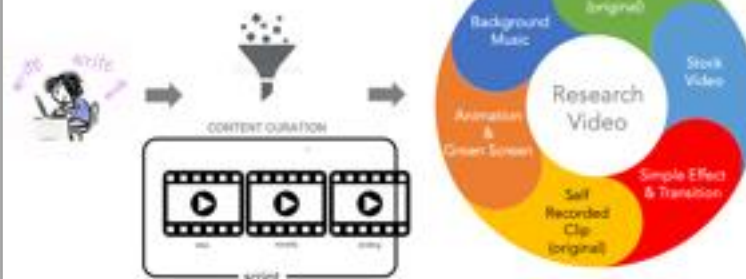


Let see what a video can do



Stock video clip versus original video clip

The making of research video



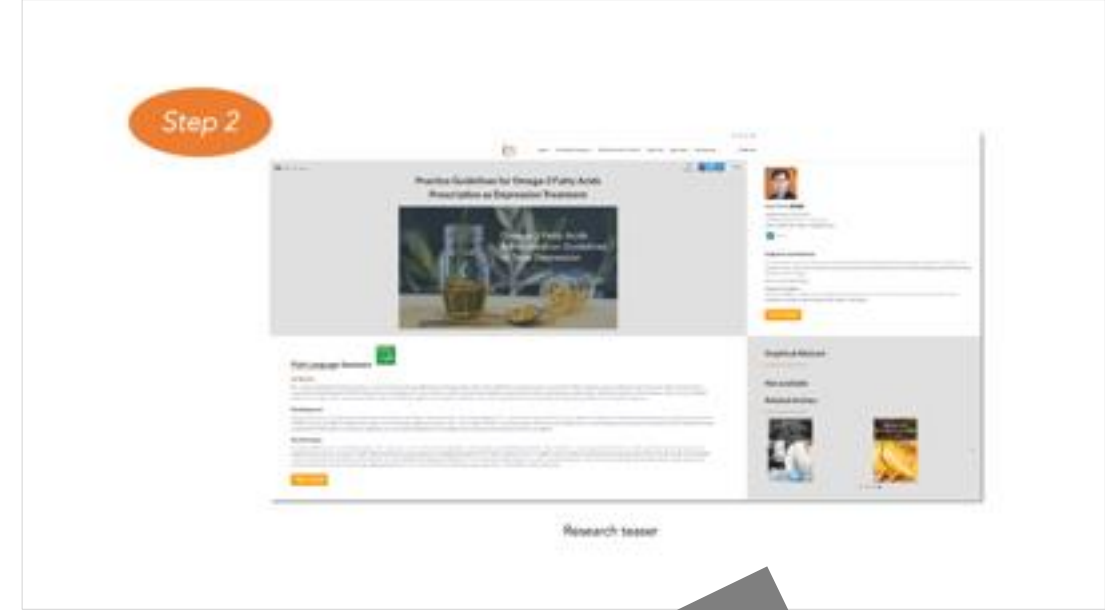
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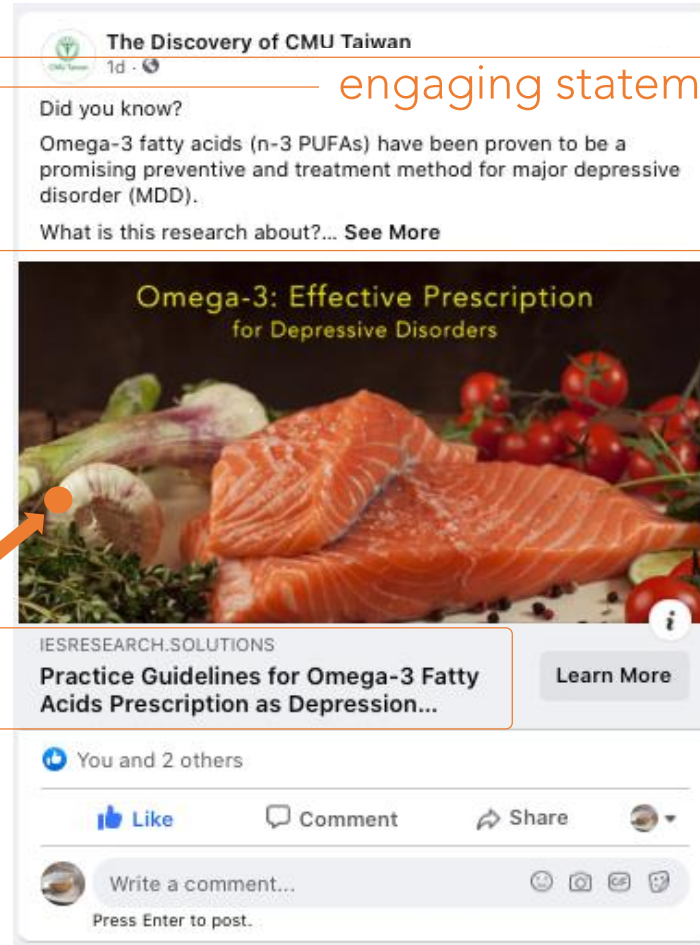
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institutional research branding

engaging statement

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Practice Guidelines for Omega-3 Fatty Acids Prescription as Depression Treatment

Omega-3 Fatty Acids Administration Guidelines to Treat Depression

Kuan-Pin Su (蘇冠賢)
 Departments of Psychiatry,
 and Mind-Body Interface Laboratory,
 China Medical University Hospital, Taiwan

[ORCID](#)

Original Article Reference
 This highlight is a summary of the paper: *International Society for Nutritional Psychiatry Research Practice Guidelines for Omega-3 Fatty Acids in the Treatment of Major Depressive Disorder* from the *Journal of Psychotherapy and Psychosomatics*, September 2019; Karger.
 DOI: 10.1159/000502652

Research Footprints:
 Fatty Acid; PUFA; n-3 PUFAs; Docosahexaenoic Acid; Randomized Controlled Trials; Eicosapentaenoic Acid; Practice Guideline; Guideline; Major Depressive Disorder; Psychiatry

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Plain Language Summary

The Novelty
 This research established the first international consensus-based practice guideline for prescribing Omega-3 fatty acids (n-3 PUFAs) to treat major depressive disorder (MDD). An advisory panel consisting of experts from the International Society for Nutritional Psychiatry Research (ISNPR) centered the practice guideline on 5 major themes. A set of 12 comprehensive clinical recommendations were drafted based on these key areas identified through systematic literature review, survey, and expert sharing. This research emphasized that prior to prescribing n-3 PUFAs as an alternative treatment for MDD, accurate clinical diagnosis and measurement-based psychopathological assessments should be carried out.

The Background
 Existing antidepressants used to treat moderate to severe symptoms of MDD are effective for only a small group of patients and is said to have various side effects. Past researches have shown n-3 PUFA to be a promising preventive and treatment method for MDD. However, despite the findings, there is a lack of clinical practice guidelines to aid clinicians in prescribing n-3 PUFA. In order to provide an effective practice guideline, this research gathered the consensus from experts of ISNPR, identified the need to personalize MDD treatment according to subgroups, and encouraged the adoption of a transparent communication system between clinicians and patients.

The SDG Impact
 According to WHO, more than 264 million people suffer from depression, one of the most common illness and the leading cause of disability worldwide. In the United States alone, approximately 17.3 million adults aged 18 and above have experienced episodes of major depressive disorder in 2017. Although effective treatment options are available, there are still 76% to 85% of patients from low- or middle-income countries who are deprived of these treatments. With that said, the aim of this research aligns well with "Goal 3: Good Health and Well-Being" of the UN's Sustainable Development Goals (SDG). As one of the targets under this goal is to "reduce premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being," the guidelines provided in this article will help clinicians worldwide to get a step closer to achieving this target successfully.

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Standard Review Article

International Society for Nutritional Psychiatry Research Practice Guidelines for Omega-3 Fatty Acids in the Treatment of Major Depressive Disorder

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 Author affiliations

 Corresponding Author

Keywords: [Omega-3 polyunsaturated fatty acids](#) [Docosahexaenoic acid](#) [Eicosapentaenoic acid](#) [Guideline](#) [Major depressive disorder](#)

Psychother Psychosom 2019;88:263–273

<https://doi.org/10.1159/000502652>

ABSTRACT

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EXTRAS : 2

Abstract

Major depressive disorder (MDD) is a complex mental illness with unmet therapeutic needs. The antidepressant effects of ω-3 polyunsaturated fatty acids (n-3 PUFAs) have been widely reported. The subcommittee of the International Society for Nutritional Psychiatry Research organized an expert panel and conducted a literature review and a Delphi process to develop a consensus-based practice guideline for clinical use of n-3 PUFAs in MDD. The guideline focuses on 5 thematic areas: general concepts, acute treatment strategy, depression recurrence monitoring and prevention, use in special populations, and potential safety issues. The key practice guidelines contend that: (1) clinicians and other practitioners are advised to conduct a clinical interview to validate clinical diagnoses, physical conditions, and measurement-based psychopathological assessments in the therapeutic settings when recommending n-3 PUFAs in depression treatment; (2) with respect to formulation and dosage, both pure eicosapentaenoic acid (EPA) or an EPA/docosahexaenoic acid (DHA) combination of a ratio higher than 2 (EPA/DHA >2) are considered effective, and the recommended dosages should be 1–2 g of net EPA daily, from either pure EPA or an EPA/DHA (>2:1) formula; (3) the quality of n-3 PUFAs may affect therapeutic activity; and (4) potential adverse effects, such as gastrointestinal and dermatological conditions, should be monitored, as well as obtaining comprehensive metabolic panels. The expert consensus panel has agreed on using n-3 PUFAs in MDD treatment for pregnant women, children, and the elderly, and prevention in high-risk populations. Personalizing the clinical application of n-3 PUFAs in subgroups of MDD with a low Omega-3 index or high levels of inflammatory markers might be regarded as areas that deserve future research.

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Introduction

Major depressive disorder (MDD) affects one tenth of the population and has been the world's leading cause of disability [1, 2]. MDD is of heterogeneous etiology with multiple contributory biological mechanisms. Pharmacological treatments with the currently available antidepressants, although proven to be effective in treating moderate to severe symptoms in MDD, have only modest effect sizes but various adverse effects [3]. Therefore, to optimize the patients' outcomes, clinicians need more efficacious and tolerable treatments supported by valid scientific evidence and reliable practice guidelines. Omega-3 polyunsaturated fatty acids (n-3 PUFAs), eicosapentaenoic acid (EPA), and docosahexaenoic acid (DHA) have drawn clinical attention of medical specialties [4–7]. Several lines of evidence have suggested the efficacy of n-3 PUFAs as a preventive and treatment strategy in MDD, from epidemiological and case-controlled studies [1, 8] to randomized-controlled trials [10–13] and meta-analyses [21–33]. In addition to clinical studies that examine the efficacy [11, 34] and tolerability [33], the mechanisms of n-3 PUFAs' antidepressant effects have also been rigorously studied. Several key mechanisms have been proposed, including neuronal cell plasticity and neurogenesis, neurotransmitter dysregulation, and neuro-inflammation [6, 34, 35]. Despite the clinical and biological evidence, and empirical experience using n-3 PUFAs as an alternative or adjunctive treatment for MDD, there is a current lack of definitive clinical practice guidelines to assist clinicians in the prescriptive application of n-3 PUFAs for MDD. To address this, an advisory subcommittee from the International Society for Nutritional Psychiatry Research (ISNPR) was formed to provide international consensus-based practice guidelines for the evidence-based prescriptive use of n-3 PUFAs for the treatment of MDD.




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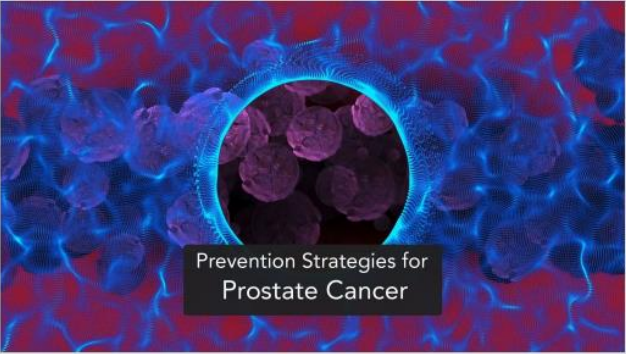
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Role of Cystathionine γ -lyase in Prostate Cancer Progression



Prevention Strategies for Prostate Cancer



Lu-hai Wang
Chinese Medicine Research Center,
Institute of Integrated Medicine,
China Medical University, Taiwan



Original Article Reference
This highlight is a summary of the paper *Dysregulation of cystathionine γ -lyase promotes prostate cancer progression and metastasis* from the Journal of EMBO Reports, August 2019, EMBO Press.
DOI: 10.15252/embr.201845986
Research Footprints:
Interleukin 1 beta; Pc Progression; nf kb; Prostate Cancer; Cell Invasion; Metastasis; Cystathionine γ -lyase; y lyase; Pc; Metastasis; Cystathionine

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Plain Language
Summary

3 min reading time

Plain Language Summary

The Novelty

A potential therapeutic target for prostate cancer (PC) metastasis was found using hydrogen sulphide (H₂S) and its enzyme, cystathionine γ -lyase (CTH). The study showed CTH expression stimulated cell invasion and migration, but treatment with H₂S resulted in only cell invasion. The enzyme activity of CTH also resulted in nuclear factor- κ B (NF- κ B) translocation causing an increase in interleukin 1 beta (IL-1b) expression and H₂S-induced cell invasion. The study identified the role of H₂S in blood vessel formation (angiogenesis). In some cells, CTH knockdown controlled tumor growth and spread from the primary location, whereas CTH overexpression increased tumor growth and spread to the lymph nodes in mouse models. The study suggests potential mechanisms where CTH/H₂S assists PC metastasis by promoting lymphatic vessels formation from existing lymphatic vessels. Overall, results show evidence of CTH and H₂S involvement in PC progression and metastasis through different channels.

The Background

Prostate cancer (PC) is most prevalent among men and occurs in the prostate. Most deaths from PC are linked with bone metastasis when the cancer spreads to the bone. Current treatments only prevent pain and complications. H₂S is a signaling molecule produced from enzymes such as CTH that contribute to tumor maturation in various cancers through a series of processes. NF- κ B activation has shown positive results suggesting a dominant role in PC metastasis development. The study investigated the relationship between CTH and H₂S in PC progression and metastasis and found that H₂S levels increased with the expression of CTH, causing activation of NF- κ B mediated signaling on cysteine-38 of the NF- κ B subunit. It was seen that the H₂S-producing enzyme, CTH level, was increased in bone metastatic PC cells. The presence of CTH and H₂S contributes to therapeutic mechanisms to intervene in PC progression and metastasis.


The SDG Impact

According to the American Cancer Society, prostate cancer is the sixth leading cause of death by cancer in men worldwide. In the United States, an estimated 191,930 men are to be diagnosed with it in 2020 alone. Although the death rate has decreased over the past few years, the cancer is incurable. By identifying mechanisms and signaling molecules that could produce more advanced treatment options, it aligns with goal 3: Good Health and Well-being of Sustainable Development Goal. The study improves the chances of reducing the mortality rate from a non-communicable disease like prostate cancer through treatment and prevention strategies.

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Graphical Abstract

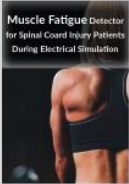


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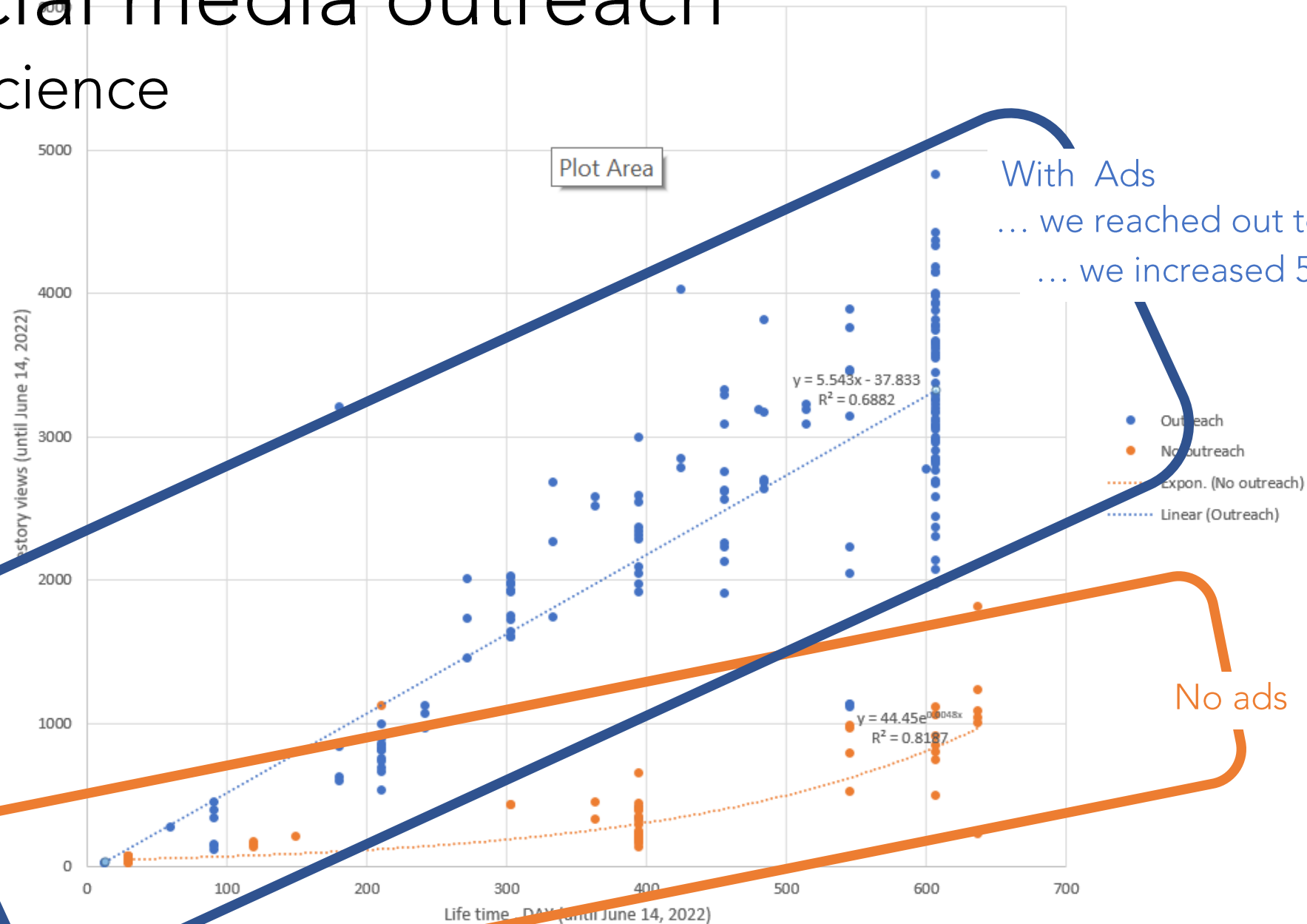


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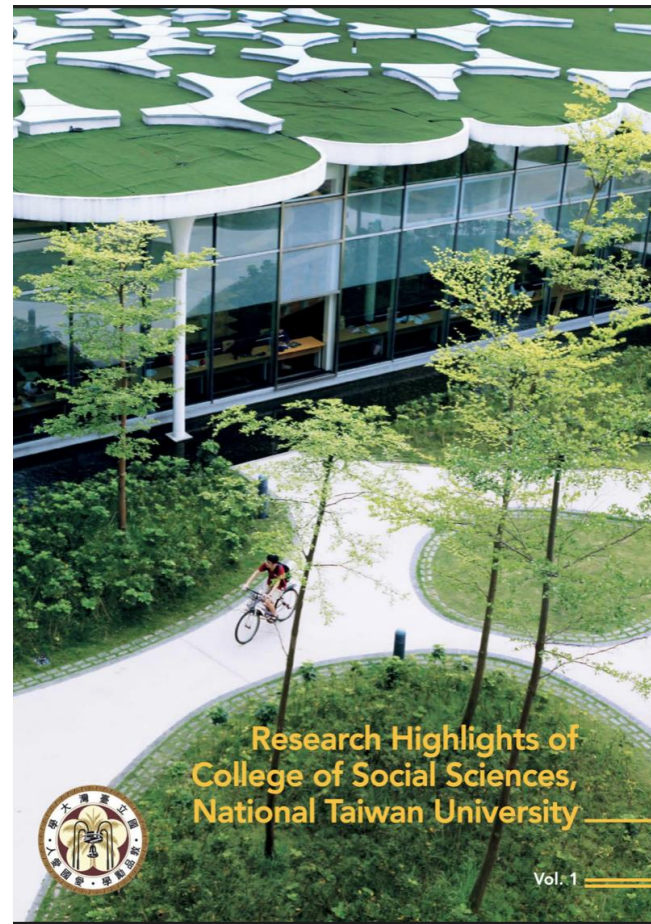
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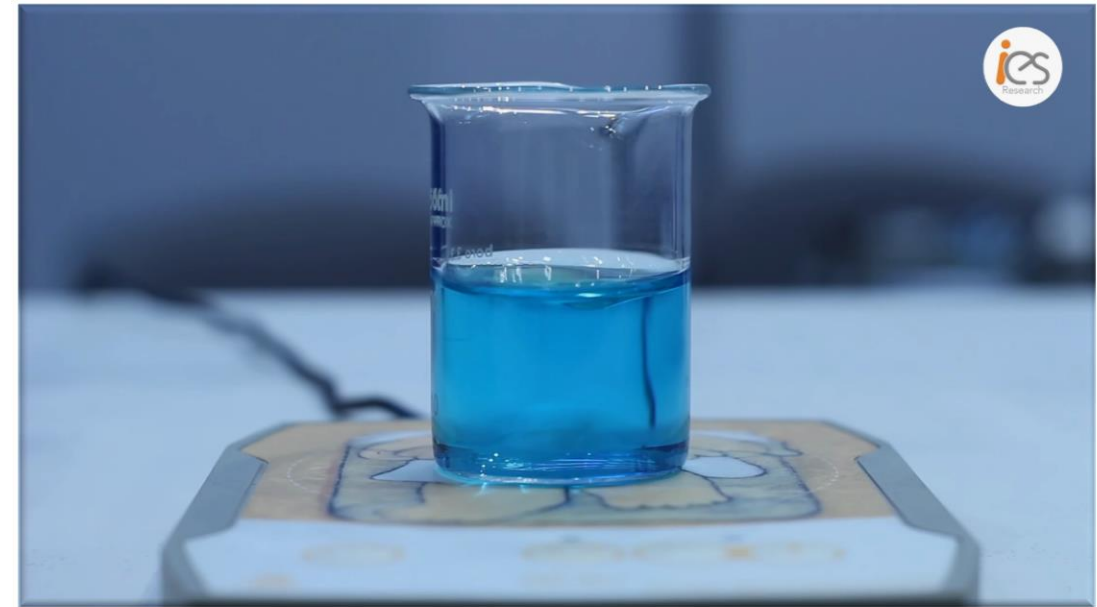
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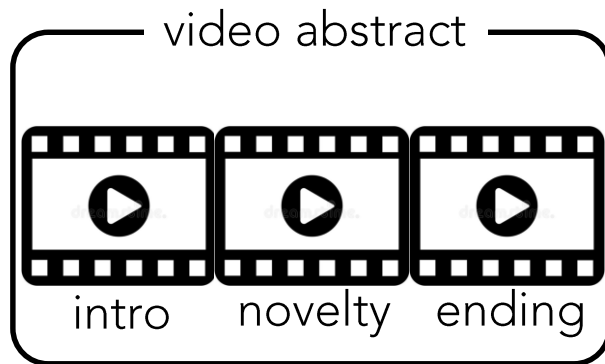
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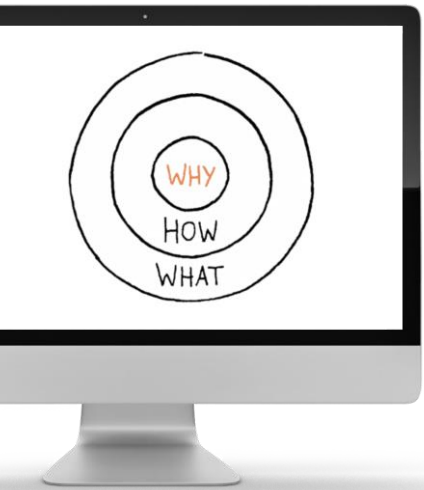


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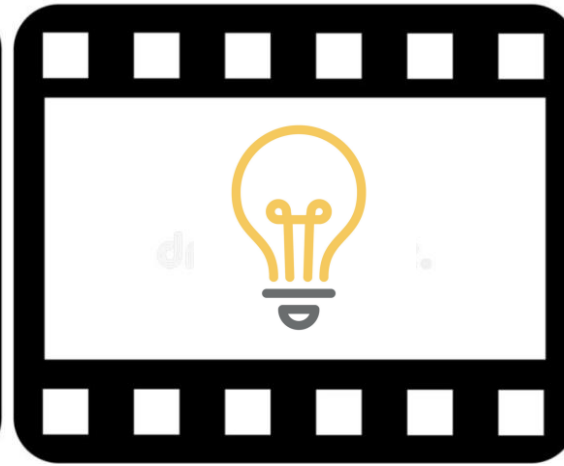


“What is new?”



intro

“Why is it an issue?”



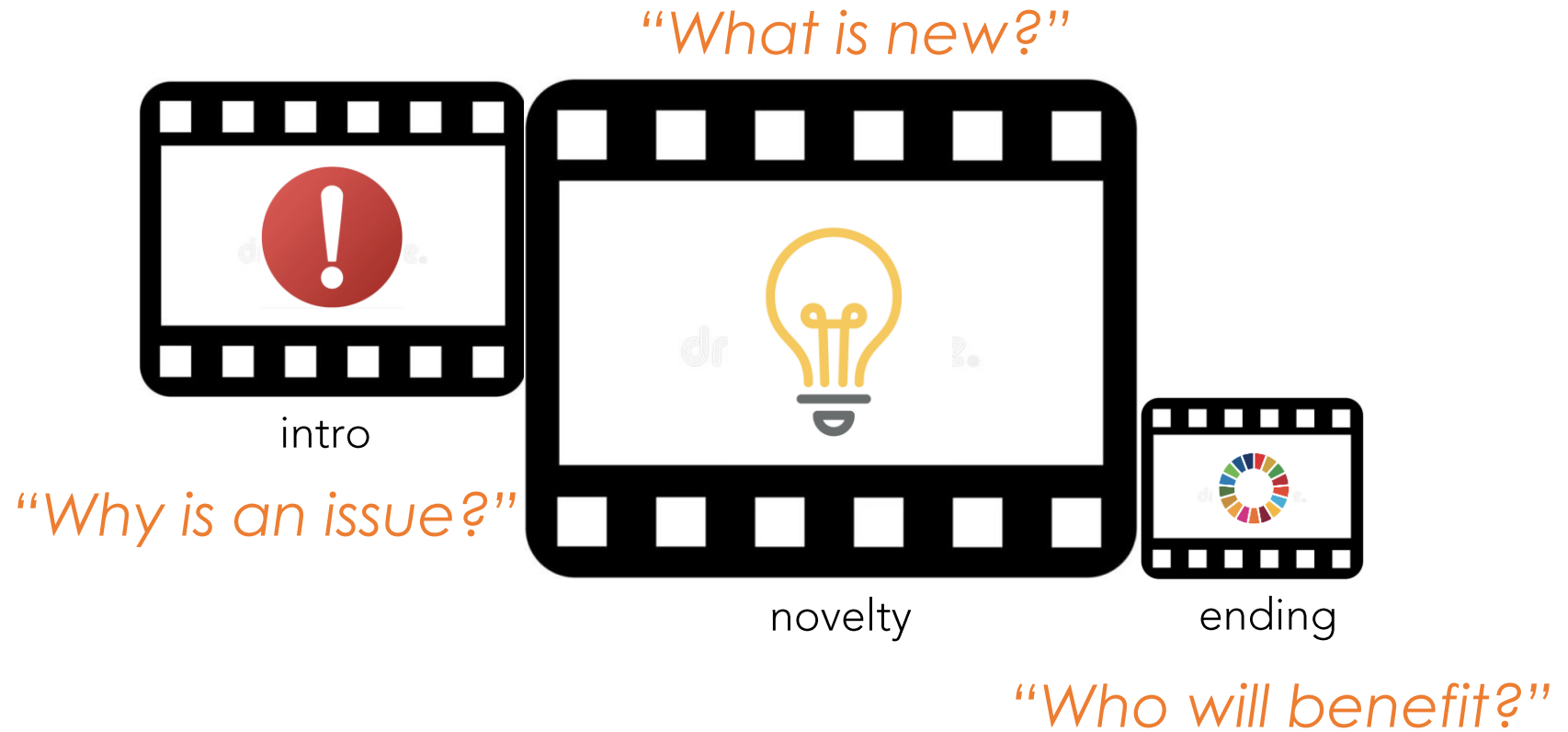
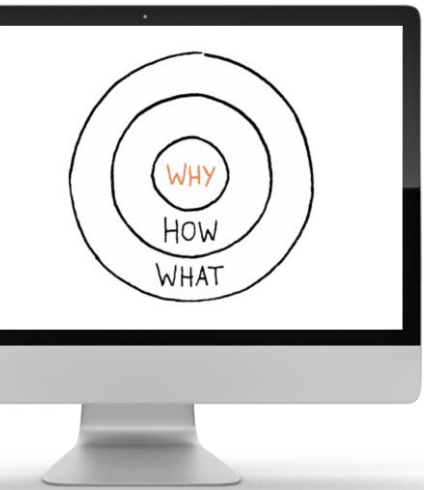
novelty



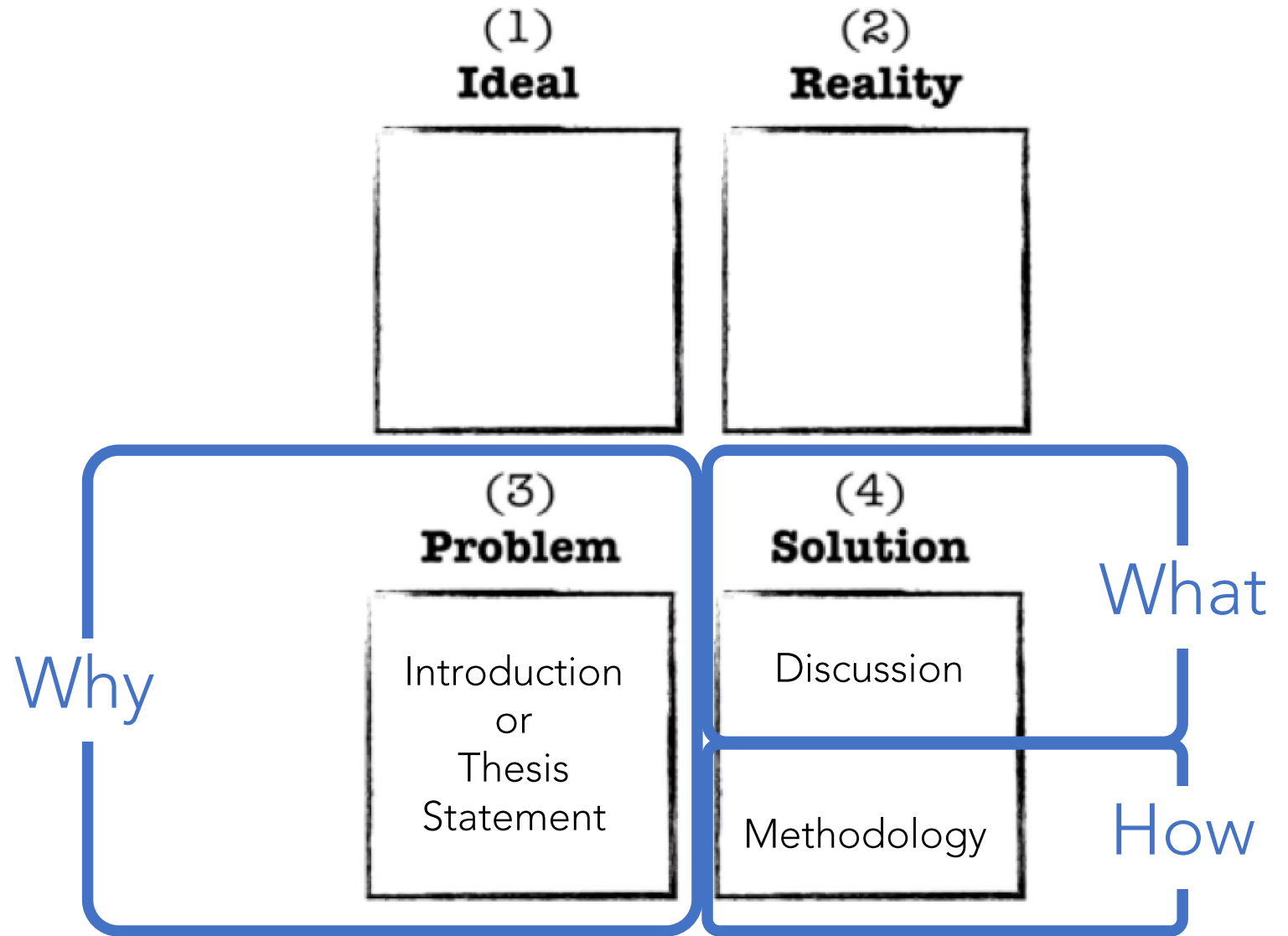
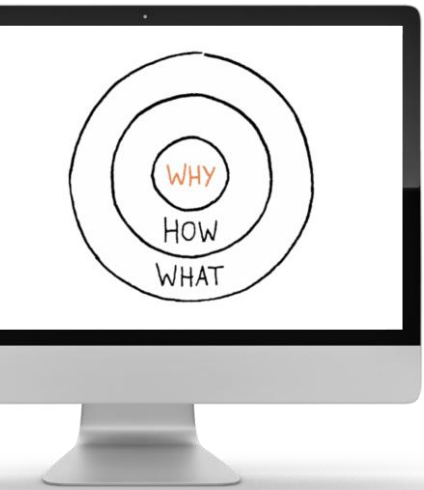
ending

“Who will benefit?”

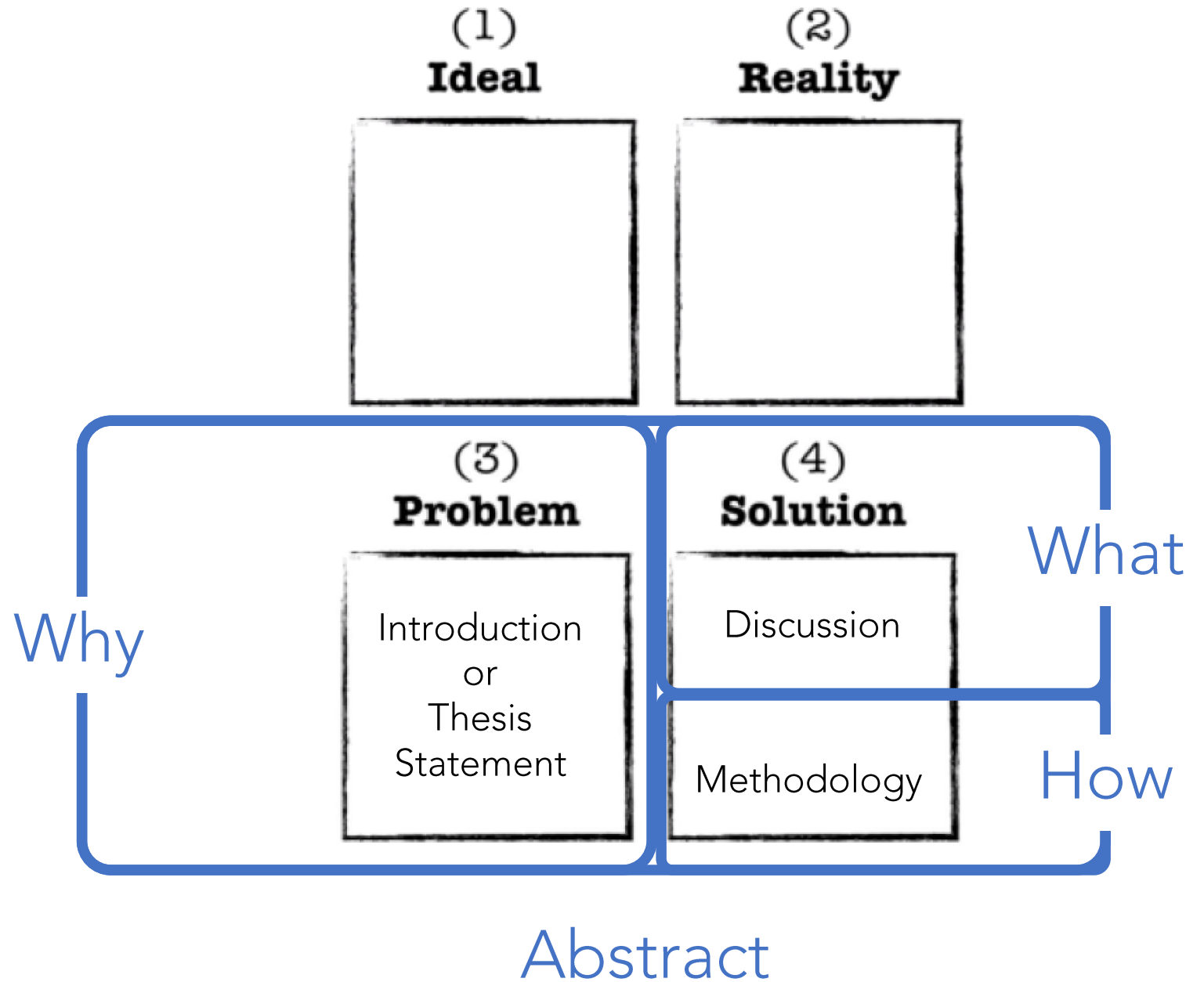
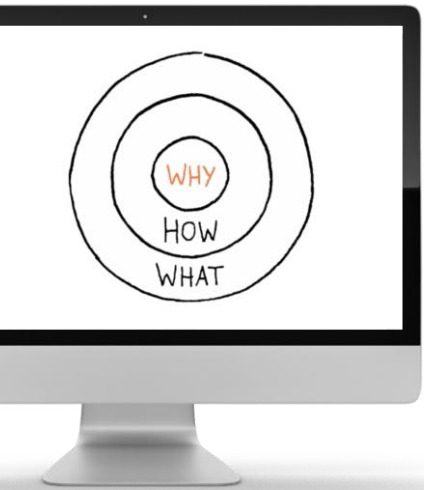
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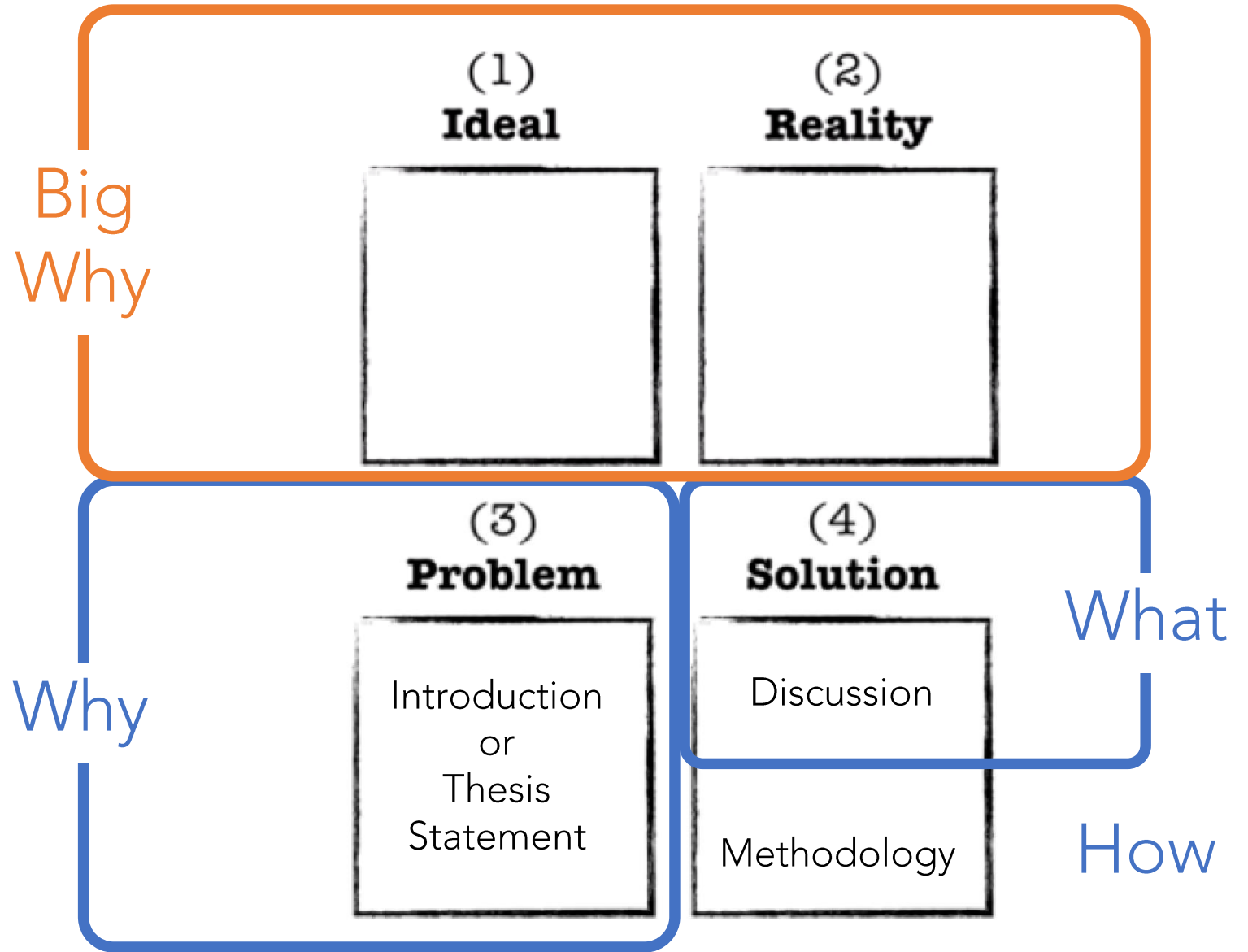
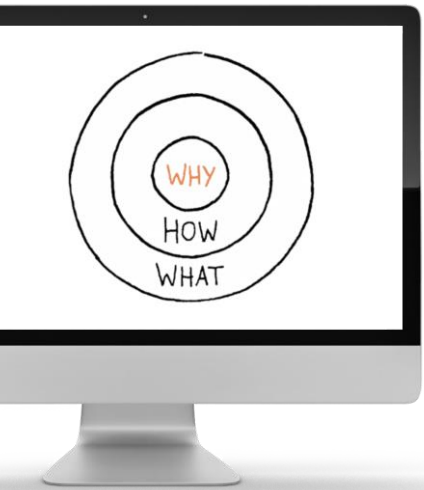
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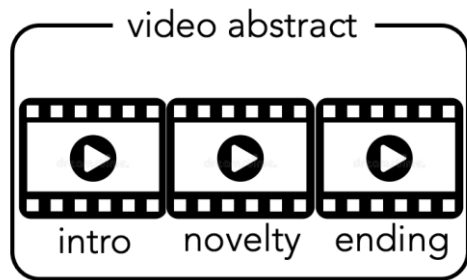
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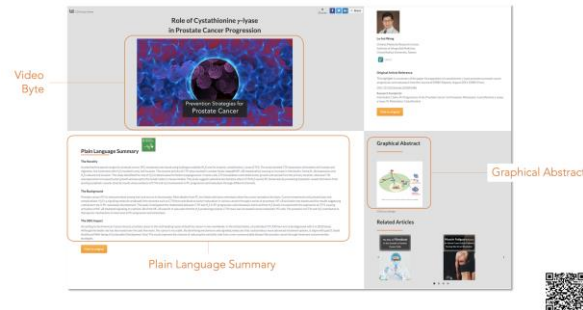
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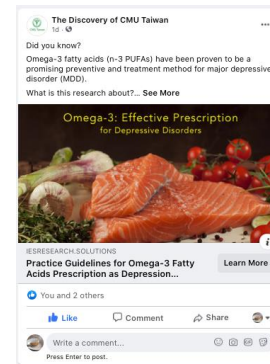
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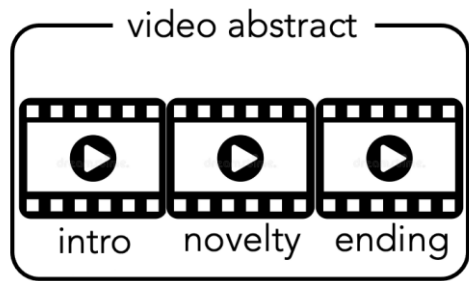
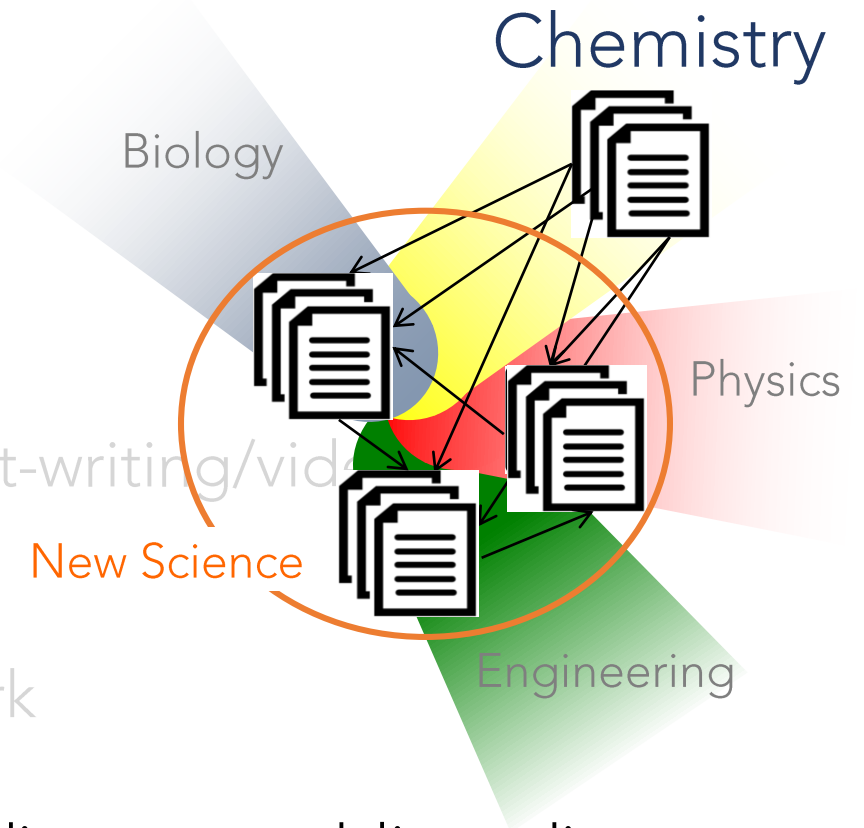
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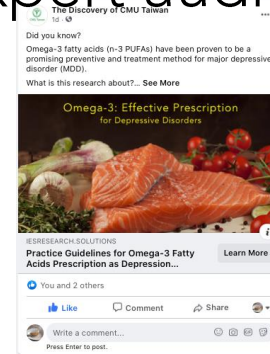
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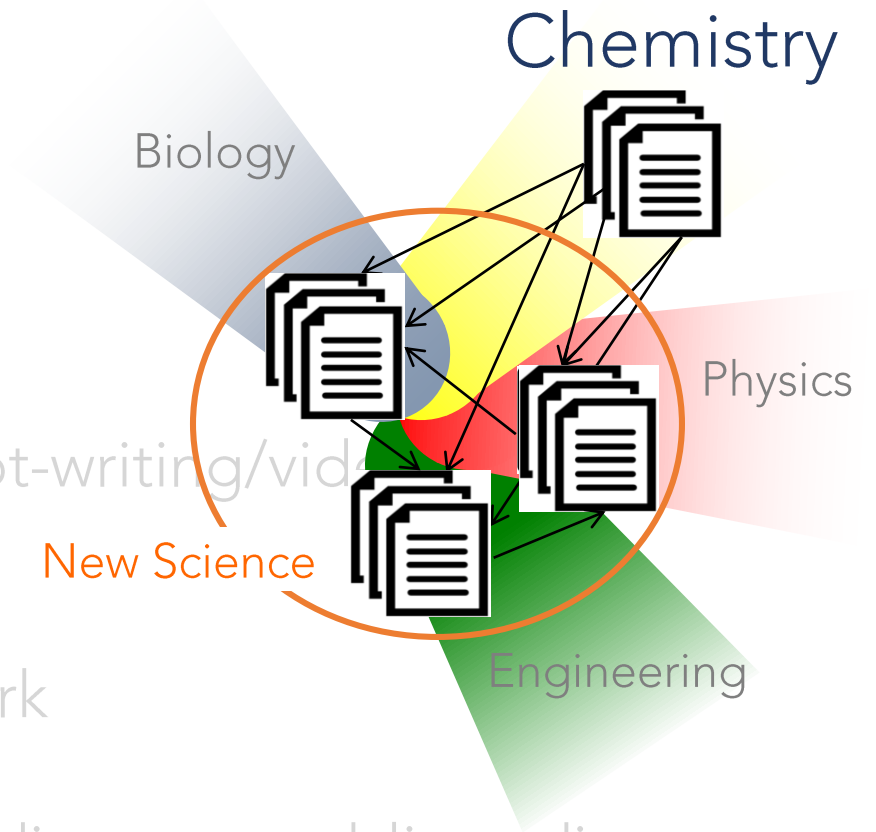
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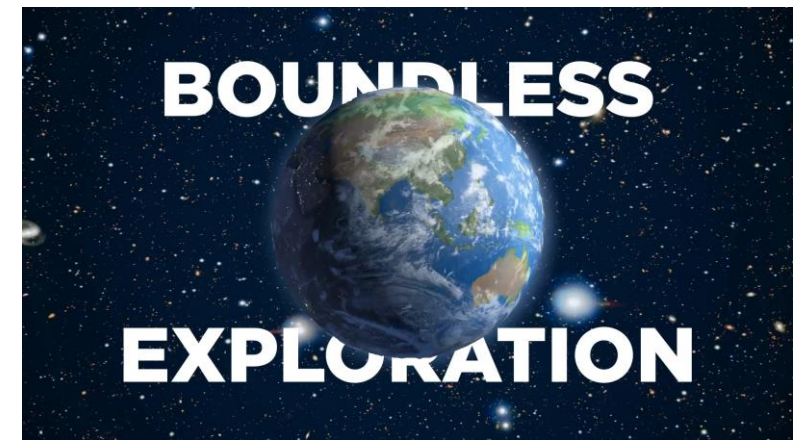
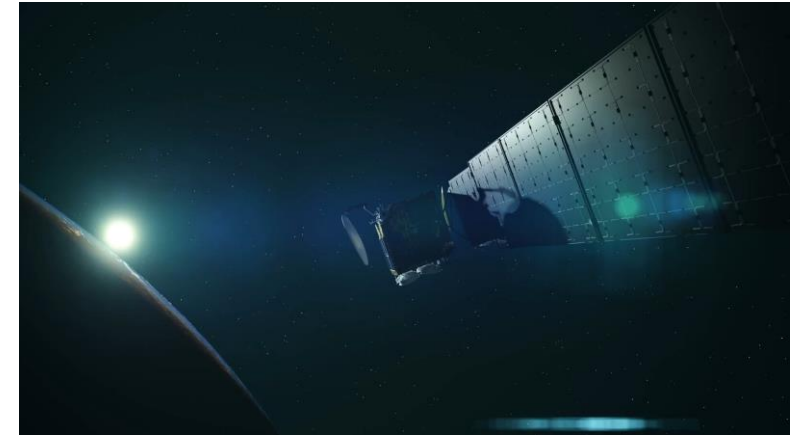
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4. Understand the concept of teaser videos



The challenges of making video



4. Understand the concept of teaser videos

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The history of written records of native orchids in Taiwan began in 1857 with a British botanist. After more than 160 years of study by European, Japanese, and Taiwanese scholars and enthusiasts, the list of native orchids increased to more than 470 species, including natural hybrids and varieties. The author exerted extensive efforts to include all known species in this work and arranged them based on the order of subfamilies. Scientific names, synonyms, and relevant references are provided for each species. Many of the species are provided with additional explanations in the "note" section. The uniqueness of this book is the line drawing illustrations which emphasize the structure of the column. In total, 500 figures are presented to accompany the species descriptions. These extensive line drawings were accumulated since 1971 and were mostly drawn by the author. More than that, this book also presents the gynostemium structure of more than 380 species, including the stigma, pollinium, rostellum, and column, in high-resolution color plates.


ABOUT THE AUTHOR(S)



In this book, **470** species of native orchids are introduced and presented with more than **500** delicate **line drawings**.


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The challenges of making video

 <h1 style="margin: 0;">AMITY INSTITUTE OF ENVIRONMENTAL TOXICOLOGY, SAFETY AND MANAGEMENT</h1>	<p>CONTACT US ALUMNI AMITY UNIVERSE</p> <p> </p>
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Faculty



Prof (Dr.) Tanu Jindal
Group Additional Pro Vice Chancellor (R&D)
 Director, Amity Institute Environmental Sciences
 Director, Amity Institute Environmental Toxicology, Safety and Management
 Director, Amity Institute of Water Technology and Management
 Director, Amity Centre for Antarctic Research and Studies
 Director, Amity Institute of Oceanography and Atmospheric Sciences
 Advisor - Amity Institute of Marine Science and Technology
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 Email: tjindal@amity.edu
 Website: <http://www.amity.edu/aletsm/>, <http://www.amity.edu/aies/>
"Save earth,to bring worth, for the new birth"

Professor (Dr.) Tanu Jindal Director, Amity Institute for Environmental Toxicology, Safety and Management Advisor and Mentor, Amity Institute of Environmental Science J1, G-21, Amity University Uttar Pradesh, Sector 125, Noida 201303 INDIA

MORE ➔

Qualification:
 Ph.D. –Ecotoxicology- Department of Zoology, 1995-1999, Delhi University
 MSc.-Department of Chemistry, Kirori Mal College, 1992-1994, Delhi University
 BSc. - Botany, Zoology, Chemistry, Kirori Mal College, 1989-1992, Delhi University

Experience: 25 years of teaching and research experience in Environmental pollution, toxicological studies with special reference to air, water, soil and food and impact on ecosystem and public health; Environment Safety and Waste Management; Global Warming and Climate Change

Publications, Presentations

- Publications in national and international refereed journals-33
- Books edited and authored- 03
- Several articles in newsletters and newspapers
- Paper presentations nationally and internationally (USA, Netherlands, Germany, Singapore) - Over 98
- Invited Lectures - 36

Conferences, Seminars, Trainings Organized

Conferences(national and international)- 08
 Lectures/Symposiums/Seminars /FDP's - 12
 Various environmental awareness events on environment, earth, water, ozone and environmental

Programs Offered





Post Graduate

- ▶ Ph.D in Environmental Sciences (Full Time)
- ▶ Ph.D in Environmental Sciences (Part Time)

Internship

- ▶ INTERNSHIP FOR M.SC. AND B.SC. STUDENTS

Centres/Institutes

- ▶ AIES (AMITY INSTITUTE OF ENVIRONMENTAL SCIENCES) 
[Click Here](#)
- ▶ Amity Institute of Antarctic research and Studies  [Click Here](#)
- ▶ AIWTM AMITY INSTITUTE OF WATER TECHNOLOGY AND MANAGEMENT 
[Click Here](#)
- ▶ AIOAS (AMITY INSTITUTE OF OCEANOGRAPHY & ATMOSPHERIC SCIENCES) [Click Here](#) 

Events Report

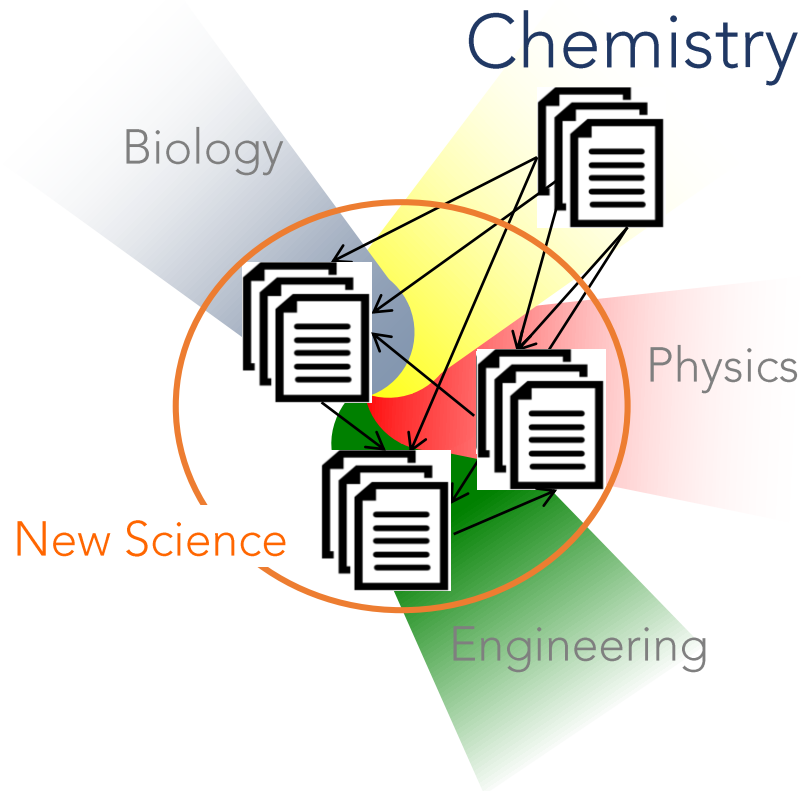
- ▶ Global Times Report

AMITY SCHOOL OF INSURANCE AND ACTUARIAL SCIENCE

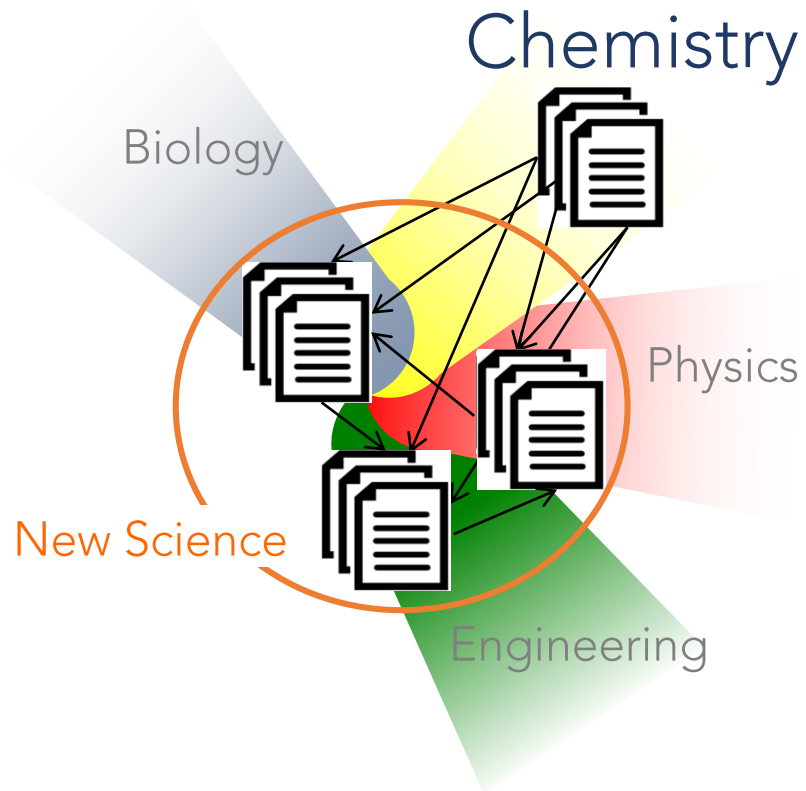
Ranked No.1

5. Engage the audience with omni-channel experience > “branding” or Impact Profile

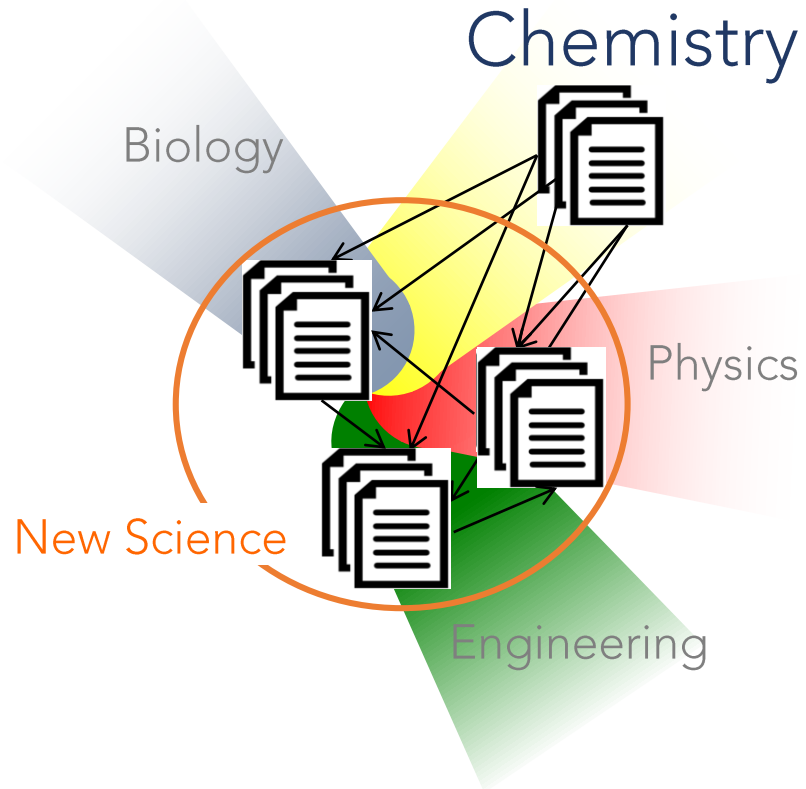
The art of engagement: multidisciplinary to transdisciplinary



The art of engagement: multidisciplinary to transdisciplinary



The art of engagement: multidisciplinary to transdisciplinary



The art of engagement: multidisciplinary to transdisciplinary



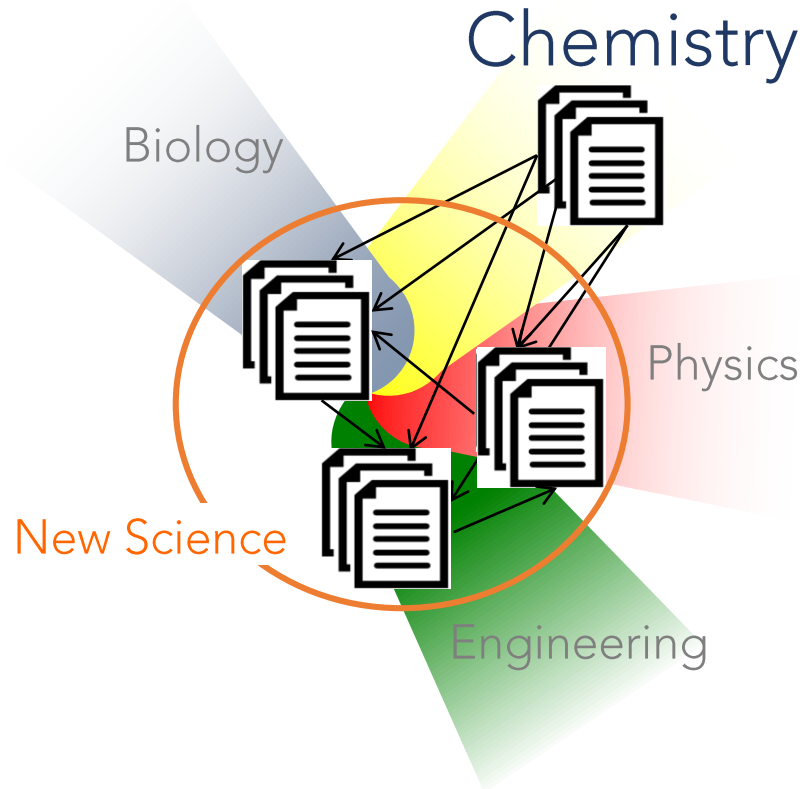
MULTIDISCIPLINARY



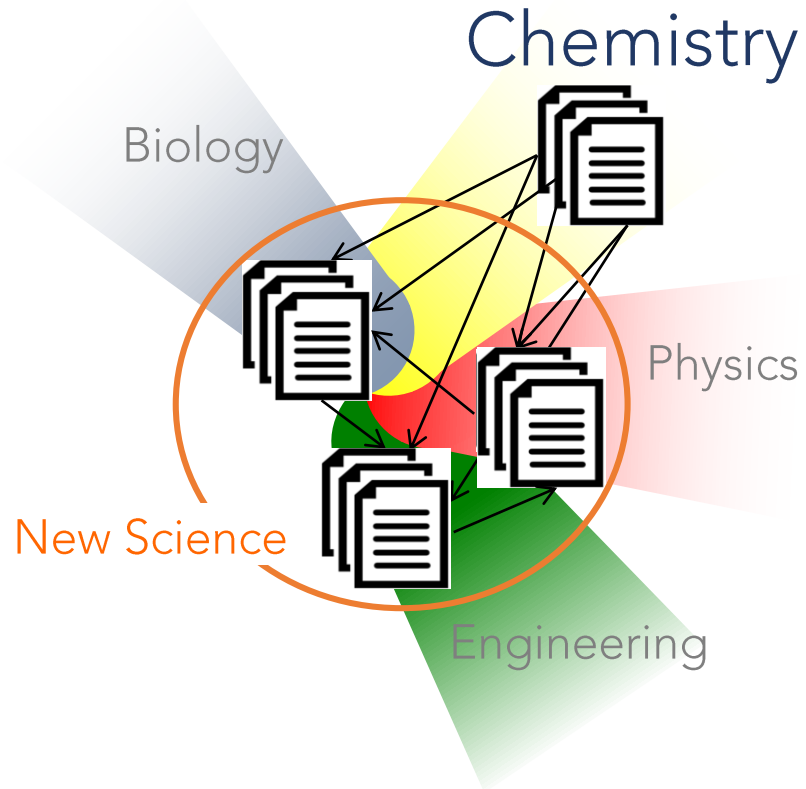
INTERDISCIPLINARY



TRANSDISCIPLINARY



The art of engagement: multidisciplinary to transdisciplinary



T-Shaped Skills

Breadth of experience, knowledge & skills



Depth of high-level
expertise in one discipline



The Topical Clustering from Publications

15 publications from University Technology Petronas (UTP) that are coming from different departments and collaborated with different institutions are related to Environmental Protection from Plastic Pollution

UTP


Civil & Environmental Engineering Department

Institute of Self-Sustainable Building


Fundamental and Applied Sciences Department

Chemical Engineering Department


Evaluation of optimum asphalt content and engineering properties of asphalt mixture containing irradiated waste plastic bottles granules as aggregates

Journal Article  Open Access
IOP Conference Series: Earth and Environmental Science, Volume: 1022, Issue: 1, Pages: 12033-12033, May 1, 2022
Authors: A Usman, M H Sutanto, M Napiah, S F Zoorob, N S A Yaro


Waste Polyethylene Terephthalate granules modified by gamma irradiation and their effect as fine aggregates on moisture damage of asphalt mixtures

Journal Article  Open Access
IOP Conference Series: Earth and Environmental Science, Volume: 1022, Issue: 1, Pages: 12026-12026, May 1, 2022
Authors: A Usman, M H Sutanto, M Napiah, A M Al-Sabani, N S A Yaro, I Kumalasari, S M Saeed


Effective use of recycled waste PET in cementitious grouts for developing sustainable semi flexible pavement surfacing using artificial neural network (ANN)

Journal Article  Open Access
Journal of Cleaner Production, Volume: 340, Pages: 120810-120810, 2022
Authors: Muhammad Imran Khan, Muslich Hartadi Sutanto, Kafayatullah Khan, Modassir Iqbal, Madzan Bin Napiah, Salah E Zoorob, Jili Janomli Khomei, Awais Bokhari, Waqas Rafiq


Investigating Mechanical Properties of Interlocking Concrete Blocks by Recycling Waste Polyethylene Terephthalate - A Sustainable Approach

Conference Proceedings Article  Open Access
2021 Third International Sustainability and Resilience Conference: Climate Change, Nov 15, 2021
Authors: Kok Kean Heng, Muhammad Imran Khan, Muslich Hartadi Sutanto, Salah E Zoorob, Sri Sunarjono


Comparison of Performance Properties and Prediction of Regular and Gamma-Irradiated Granular Waste Polyethylene Terephthalate Modified Asphalt Mixtures

Journal Article  Open Access
Polymers, Volume: 13, Issue: 16, Pages: 2610, Aug 6, 2021
Authors: Aliyu Usman, Muslich Hartadi Sutanto, Madzan Napiah, Salah E Zoorob, Nura Shehu Aliyu Yaro, Muhammad Imran Khan


Advances in production of bioplastics by microalgae using food waste hydrolysate and wastewater: A review.

Journal Article  Open Access
Bioresour. Technol., Volume: 342, Pages: 125847, Sep 17, 2021
Authors: Jun Wei Roy Chong, Kuan Shiong Khoo, Guo Yong Yew, Wai Hong Leong, Jun Wei Lim, Man Kee Lam, Yeek Chia Ho, Hui Suan Ng, Heli Siti Halimatul Munawaroh, Pau Loke Show

Macro and Micro Routes to High Performance Bioplastics: Bioplastic Biodegradability and Mechanical and Barrier Properties


Journal Article  Open Access
Polymers, Volume: 13, Issue: 13, Pages: 2155, Jun 30, 2021
Authors: Olivia A Altallah, Marija Mojicevic, Eduardo Lanzagetta Garcia, Muhammad Azeem, Yuanqian Chen, Shumayl Asmawi, Margaret Brennan-Journe

Comparative Study of a Life Cycle Assessment for Bio-Plastic Straws and Paper Straws: Malaysia's Perspective


Journal Article  Open Access
Processes, Volume: 9, Issue: 6, Pages: 1007, Jun 7, 2021
Authors: Chun Hung Moy, Lian See Ian, Noor Hafizah Shapariwe, Azmi Mohd Shariff, Julliy Ian

Polyethylene Terephthalate (PET)

Effect of Cement Grouts Containing Irradiated Polyethylene Terephthalate on Properties of Semi-Flexible Mixtures

Journal Article  Open Access
Key Engineering Materials, Volume: 888, Pages: 3-8, Jun 9, 2021
Authors: Muhammad Imran Khan, Lim Shwe Wen, Muslich Hartadi Sutanto, Madzan Napiah, Salah E Zoorob


Engineering properties of irradiated waste polyethylene terephthalate (WPET) modified asphaltic concrete mixtures using the modified dry method

Journal Article  Open Access
IOP Conference Series: Materials Science and Engineering, Volume: 1092, Issue: 1, Pages: 12026, Mar 1, 2021
Authors: Aliyu Usman, Rickey Santhanasamy, Muslich Hartadi Sutanto, Salah E Zoorob

Irradiated polyethylene terephthalate fiber and binder contents optimization for fiber-reinforced asphalt mix using response surface methodology


Journal Article  Open Access
Ain Shams Engineering Journal, Volume: 12, Issue: 1, Pages: 271-282, 2021
Authors: Aliyu Usman, Muslich Hartadi Sutanto, Madzan Napiah, Salah E Zoorob, Suleiman Abdulrahman, Saeed Modibbo Saeed

Design optimization and statistical modeling of cementitious grout containing irradiated plastic waste and silica fume using response surface methodology


Journal Article  Open Access
Construction and Building Materials, Volume: 271, Pages: 121504, 2021
Authors: Muhammad Imran Khan, Muslich Hartadi Sutanto, Madzan Napiah, Kafayatullah Khan, Waqas Rafiq

Bioplastic


Biological Methods for Carbon Dioxide Conversion and Utilization

Book Chapter  Open Access
Sustainable Bioconversion of Waste to Value-Added Products, Pages: 165-177, Apr 21, 2021
Authors: Sora Saqib, Ahmad Mukhtar, Sami Ullah, Muhammad Sagor, M B Tahir, Rabia Ameen, Muhammad Babar, Abdullah G Al-Sehemi, Muhammad Al-Asiri, Muhammad Ibrahim

Corn starch/PVA bioplastics—The properties and biodegradability study using *Chlorella vulgaris* cultivation

Journal Article  Open Access
Asia-Pacific Journal of Chemical Engineering, Volume: 16, Issue: 3, Feb 11, 2021
Authors: Rowen Lim, Peck Lou Kiew, Man Kee Lam, Wei Ming Yeoh, Mai Yen Ilo

Algae biopolymer towards sustainable circular economy.

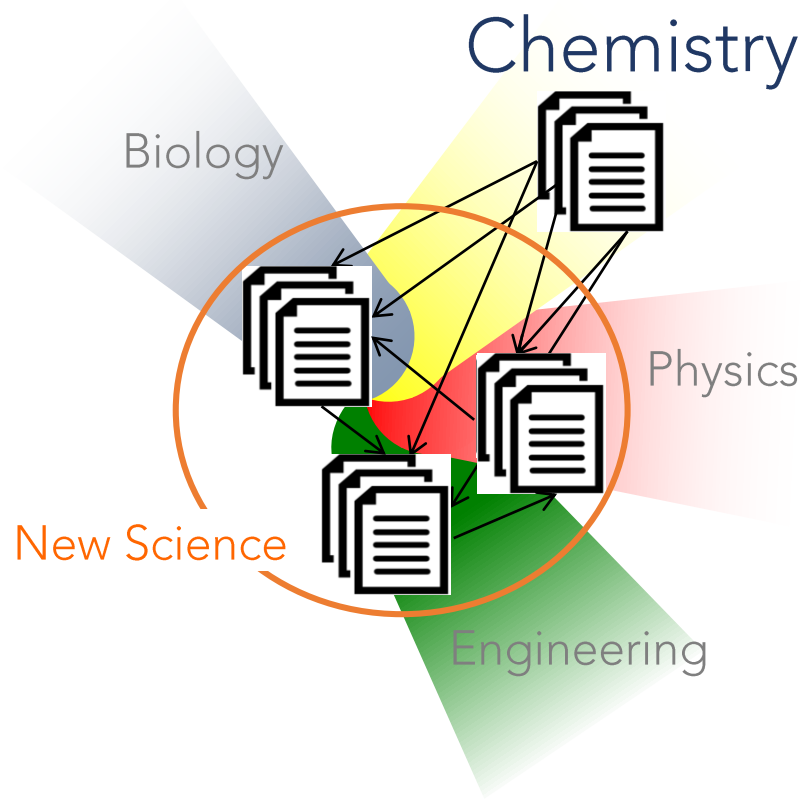
Journal Article  Open Access
Bioresour. Technol., Volume: 325, Pages: 125192, Jan 12, 2021
Authors: Vishnu Vardhan Devadas, Kuan Shiong Khoo, Wen Yi Chia, Kit Wayne Chew, Heli Siti Halimatul Munawaroh, Man Kee Lam, Jun Wei Lim, Yeek Chia Ho, Keat Teong Lee, Pau Loke Show

16
oversea
institutions

9
domestic
institutions

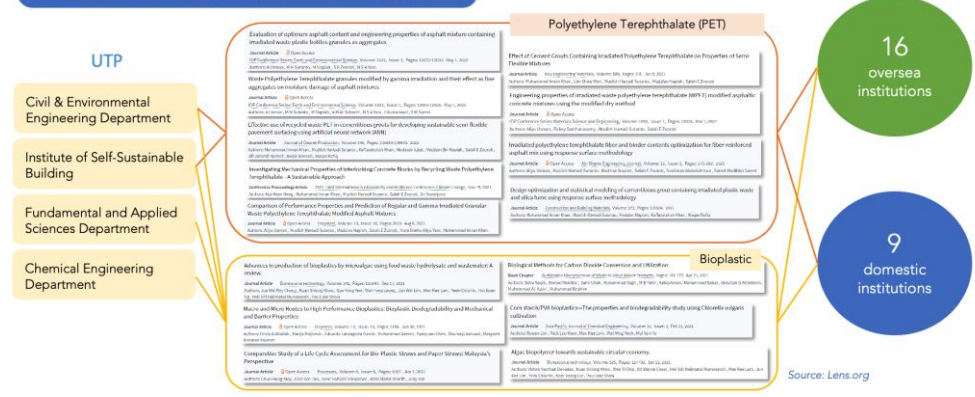
Source: Lens.org

The art of engagement: multidisciplinary to transdisciplinary

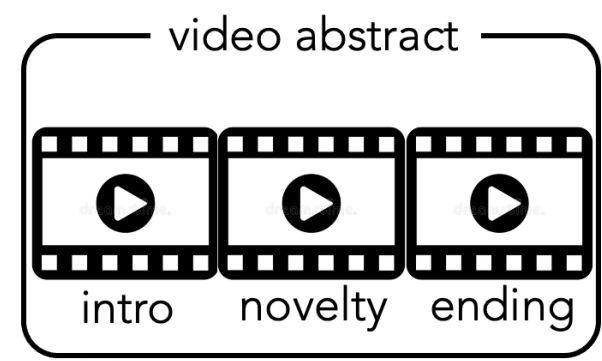


The Topical Clustering from Publications

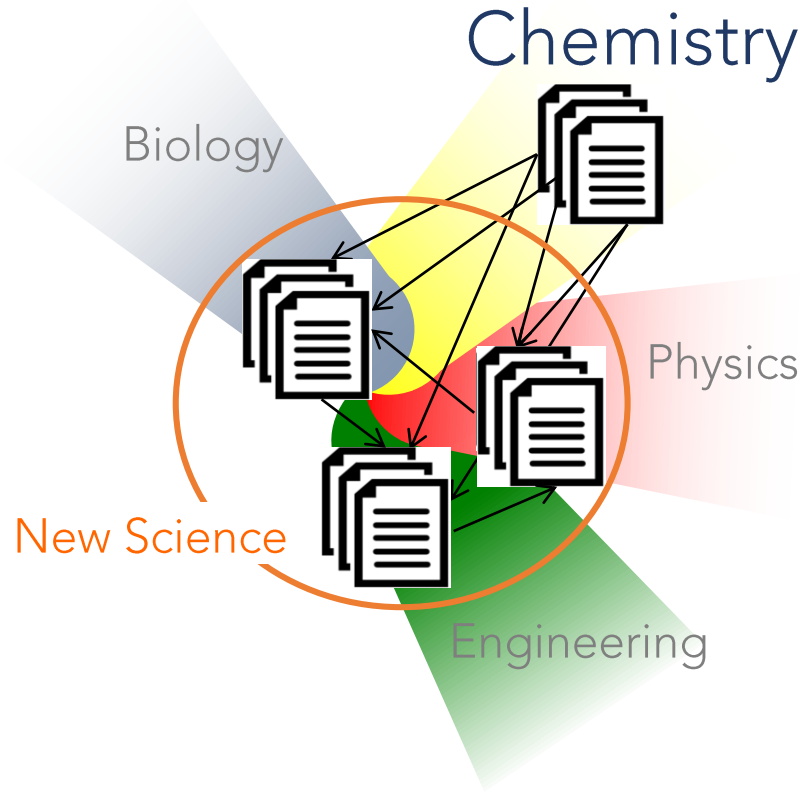
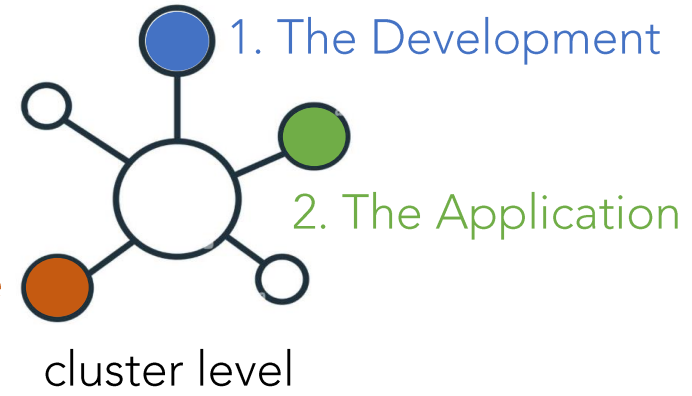
15 publications from University Technology Petronas (UTP) that are coming from different departments and collaborated with different institutions are related to Environmental Protection from Plastic Pollution



Multidisciplinary Research Highlight



The art of engagement: multidisciplinary to transdisciplinary



Let see what
a video
can do

"covid 19" x Footage x Medical x (21,441 results found for covid 19)

Clear Filters

Media Type

- ☐ All
- ☒ Footage
- ☐ Backgrounds
- ☐ Templates

Resolution

- ☒ HD
- ☐ 4K

Frame Rate

- ☐ 23.98 / 24
- ☐ 25
- ☐ 29.97 / 30
- ☐ 50
- ☐ 59.54 / 60

Duration

0:00 1:00+

Q People also searched for

pandemic virus china money covid 19 vaccine hospital corona covid 19 hospital economy

Sort By Most Relevant

00:20 Slow Motion Of Crowded...

00:10 lab tech picks u...

00:20 Coronavirus COVID-19 mi...

00:08 The young man with face...

00:17 Coronavirus Mobile Testi...

00:15 Man in protective mask b...

00:05 Multi-screen with portrait...

00:15 An ambulance emergenc...

00:11 The woman with medical ...

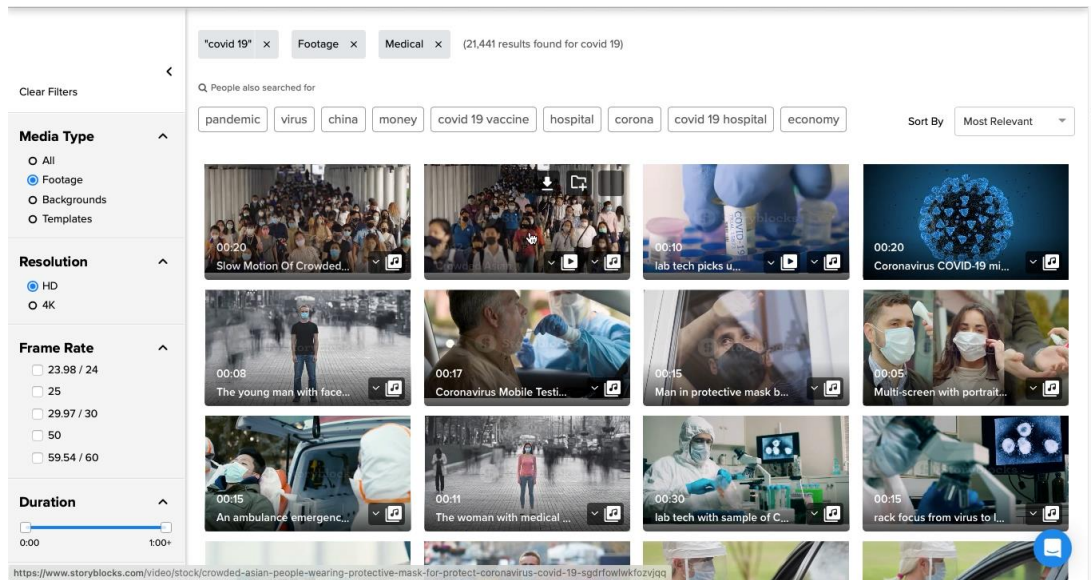
00:30 lab tech with sample of C...

00:15 rack focus from virus to l...

<https://www.storyblocks.com/video/stock/crowded-asian-people-wearing-protective-mask-for-protect-coronavirus-covid-19-sgdrfowlkfozvjq>

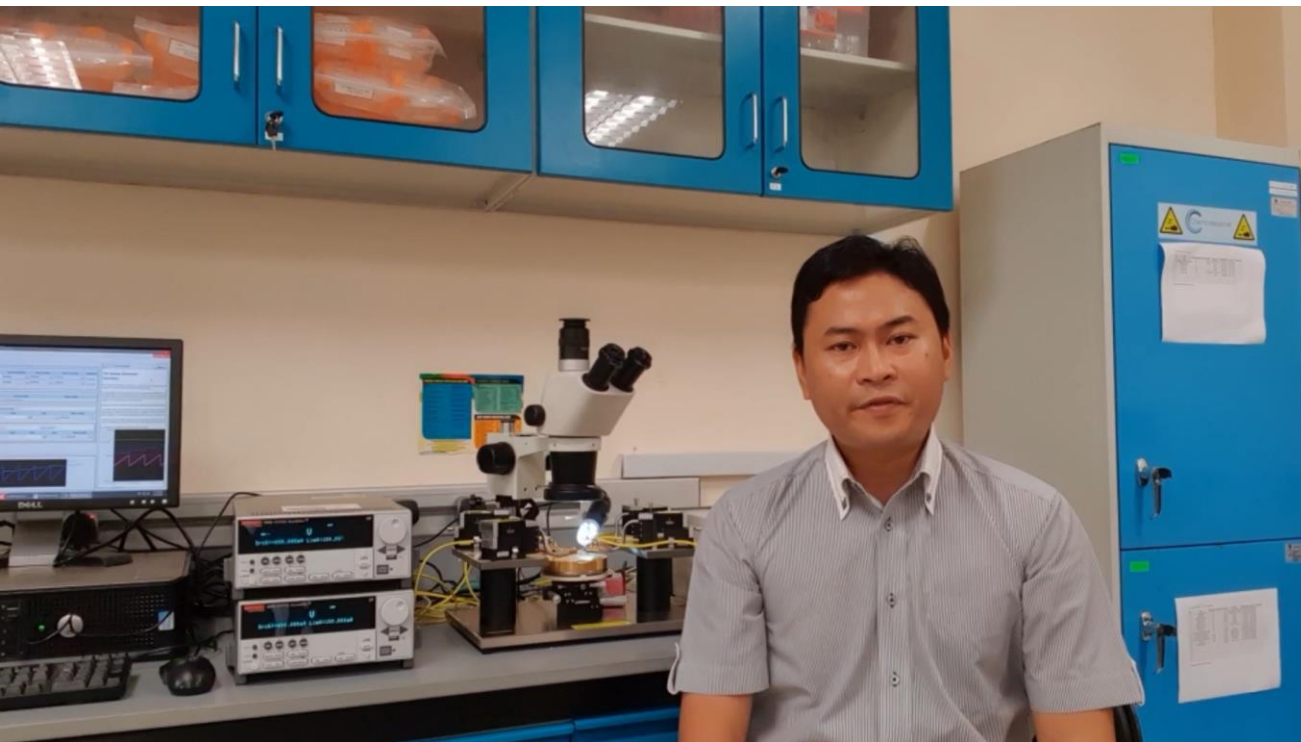
Stock video clip versus original video clip

Let see what
a video
can do



Stock video clip versus original video clip

Let see what
a video
can do



Guided self-recording

Let see what
a video
can do



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Modelling a comprehensive long-term care insurance (LTCI) plan for societal well-being in Malaysia

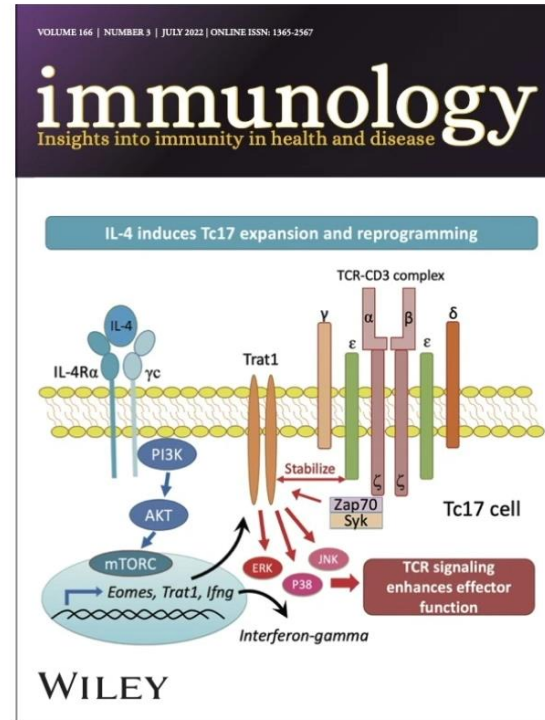
GPLPPKN0353

DR. NURUL AFIDAH MOHAMAD YUSOF (UTAR)
MS. SEOW AI NA (UTAR)
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TN. HJ ABDUL SHUKUR ABDULLAH (LPPKN)
EN. IRWAN NADZIF MAHPUL (LPPKN)



Guided self-recording

Let see what
a video
can do



Abstract

Ability of IL-17-producing CD8⁺ T cells (Tc17) to transform into cytotoxic anti-tumour effectors makes them a promising candidate for immune effector cell (IEC) therapy. However, key factors regulating Tc17 reprogramming remain poorly defined, hindering translation of Tc17-based IEC use from bench to bedside. We probed the effects of multiple cytokines and underlying signalling pathways on Tc17 cells and identified pivotal role for IL-4 and PI3K/AKT in promoting Tc17 transformation into cytotoxic IFN- γ -producing IECs, an effect dependent on Eomes expression. IL-4 not only triggered Tc17 cytotoxicity, but also induced cell expansion, which significantly improved the antitumour potential of Tc17 cells compared to that of IFN- γ -producing CD8⁺ T cells (Tc1) in a murine model. Furthermore, IL-4/AKT signalling drove the upregulation of the T-cell receptor-associated transmembrane adaptor 1 (Trat1) in Tc17 cells to promote IL-4-induced T-cell receptor stabilization and Tc17 cytotoxicity. Finally, we proposed a possible procedure to expand human Tc17 from peripheral blood of cancer patients, and confirmed the function of IL-4 in Tc17 reprogramming. Collectively, these results document a novel IL-4/AKT/Eomes/Trat1 axis that promotes expansion and transformation of Tc17 cells into cytotoxic effectors with a therapeutic potential. IL-4 priming of Tc17 cells should be further explored as a cell therapy engineering strategy to generate IECs to augment anti-tumour responses.

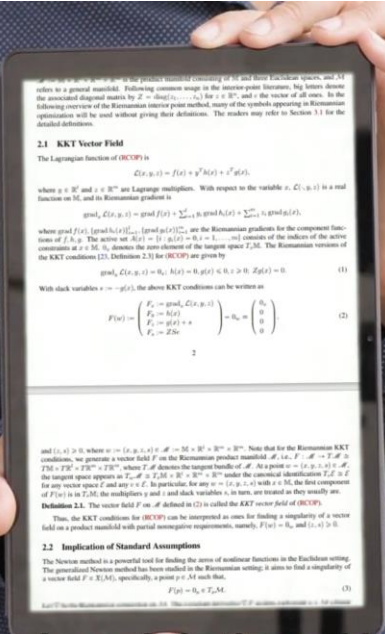
CONFLICT OF INTEREST

The authors have declared that no competing interests exist.

to IFN- γ producers, leading to enhanced antitumour activity and cytotoxicity of Tc17 cells

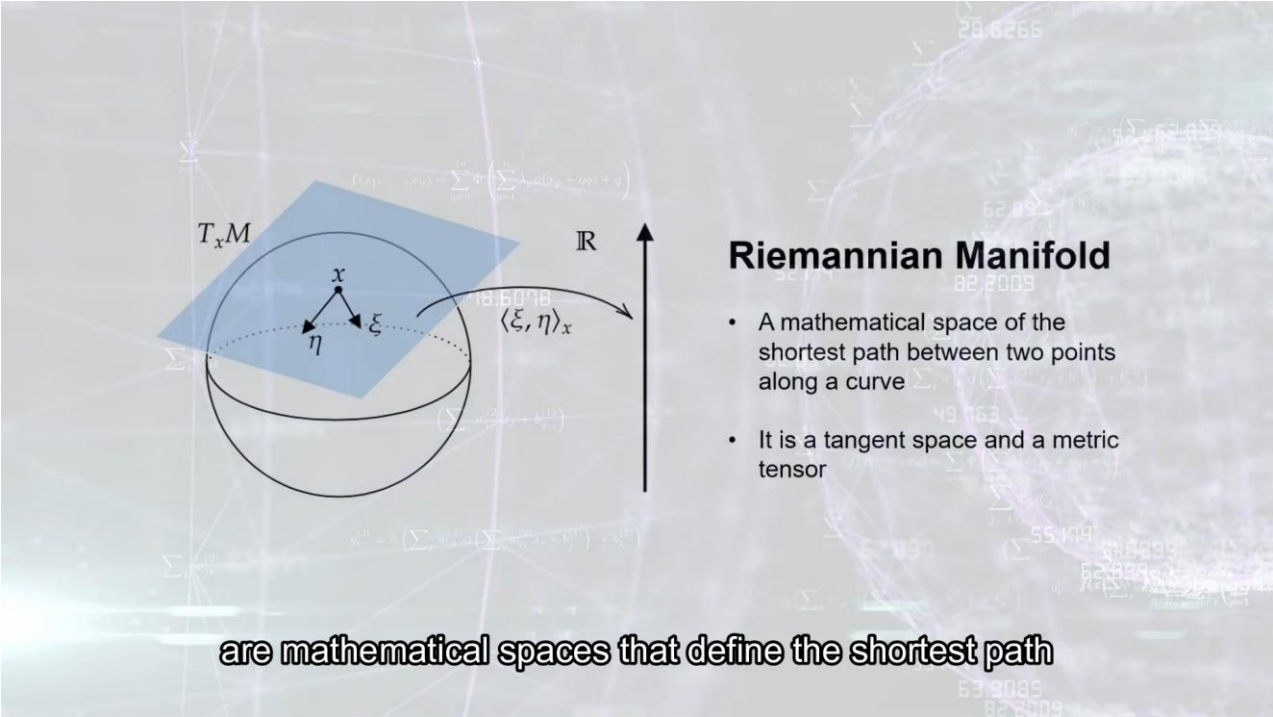
Basic effect and transition (animation)

Let see what
a video
can do



RIEMANNIAN
INTERIOR
POINT
METHOD
(RIPM)

to solve optimization problems in a



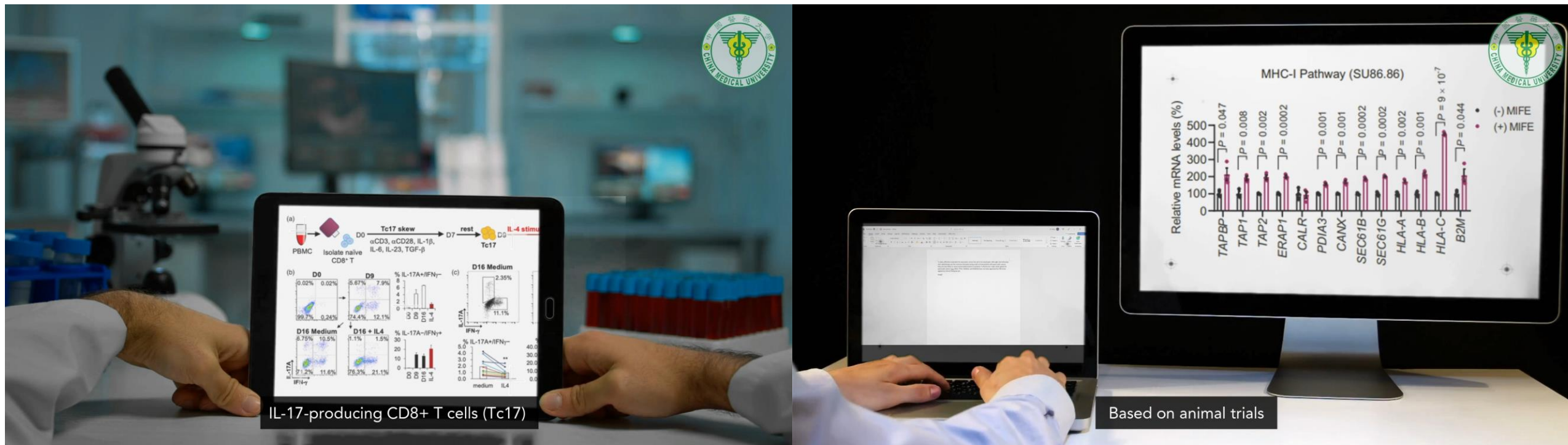
Riemannian Manifold

- A mathematical space of the shortest path between two points along a curve
- It is a tangent space and a metric tensor

are mathematical spaces that define the shortest path

Green screen effect

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a video
can do



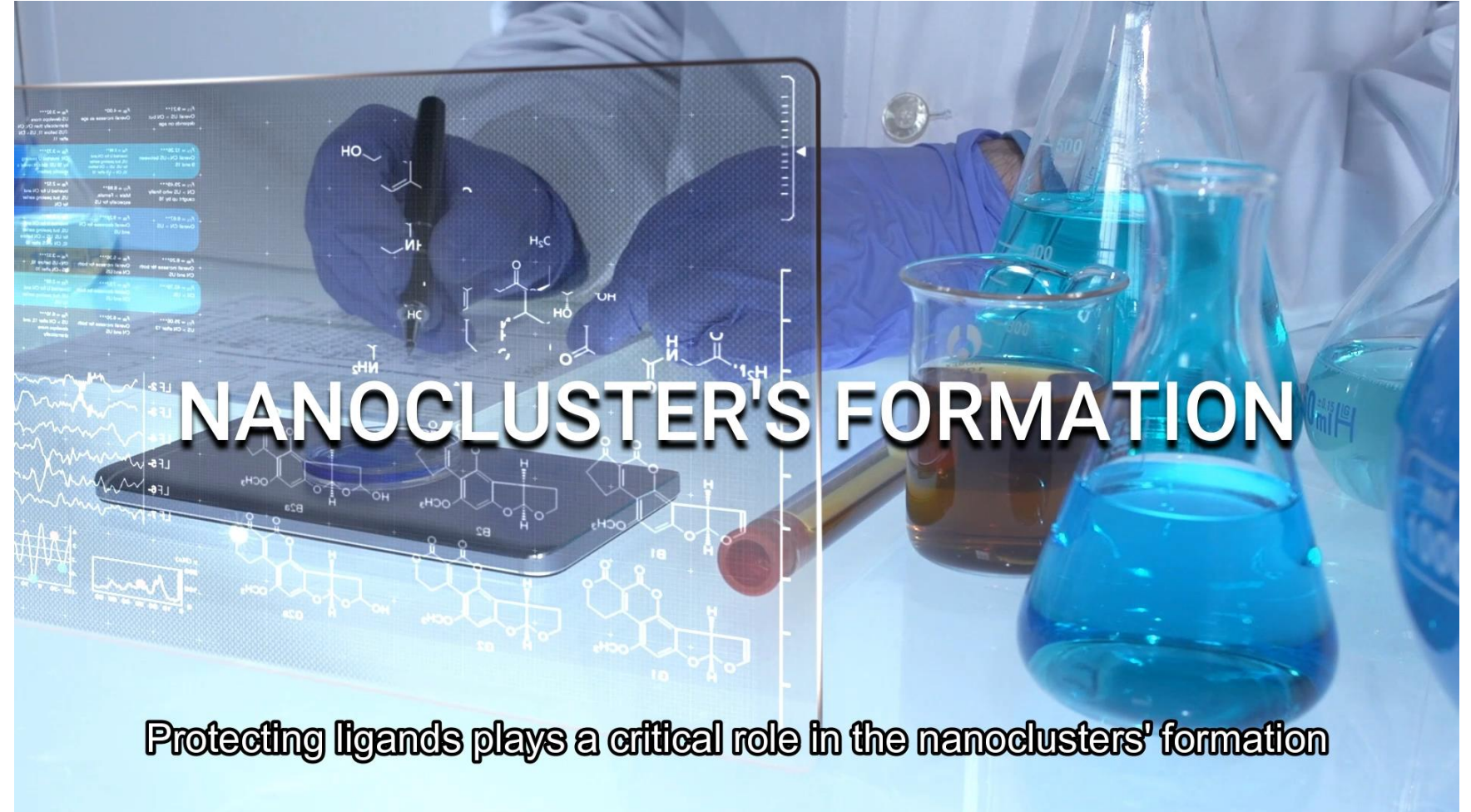
Green screen effect

Let see what
a video
can do



Green screen effect for motion

Let see what
a video
can do



Blend original into stock video background

Let see what
a video
can do



Track and label the object

Let see what
a video
can do

由于Eu²⁺ 掺杂硅酸盐荧光粉具有很高的潜力

Due to its high potential

No language barrier

Let see what
a video
can do

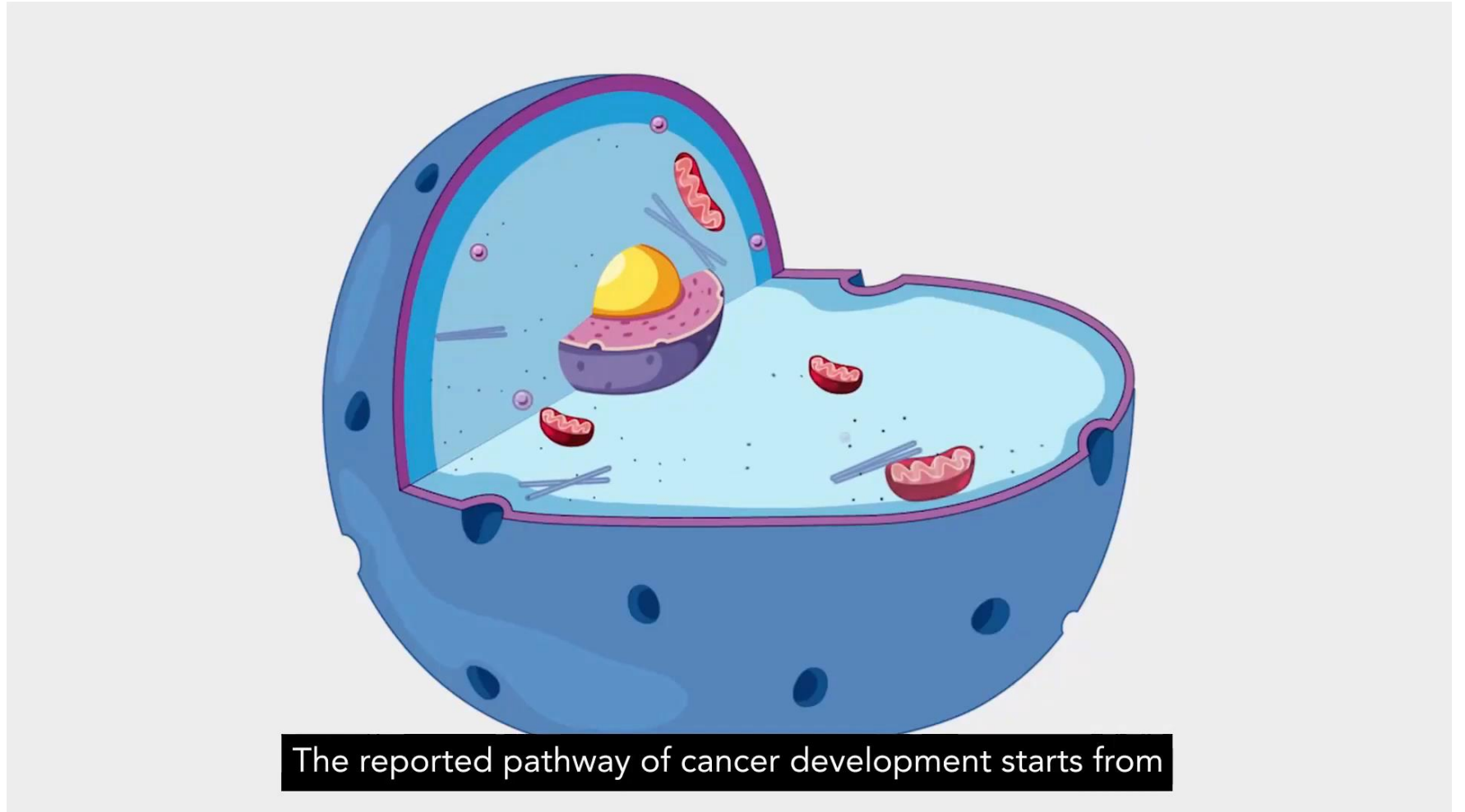


尽管荧光粉转换型发光二极管 (PC-LED) 已得到广泛应用

Although phosphor-converted light-emitting diodes (pc-LEDs) have been commonly used

Simple animation

Let see what
a video
can do



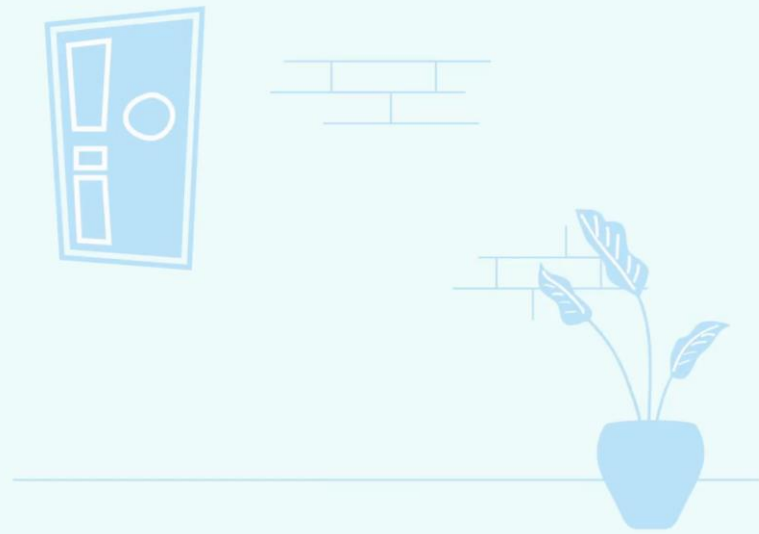
Average animation

Let see what
a video
can do



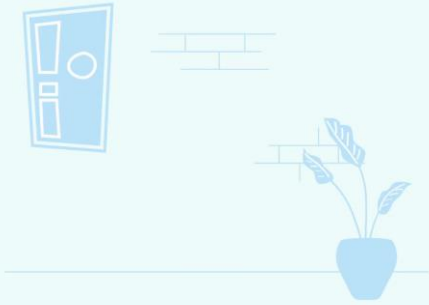
Complex animation

Let see what
a video
can do



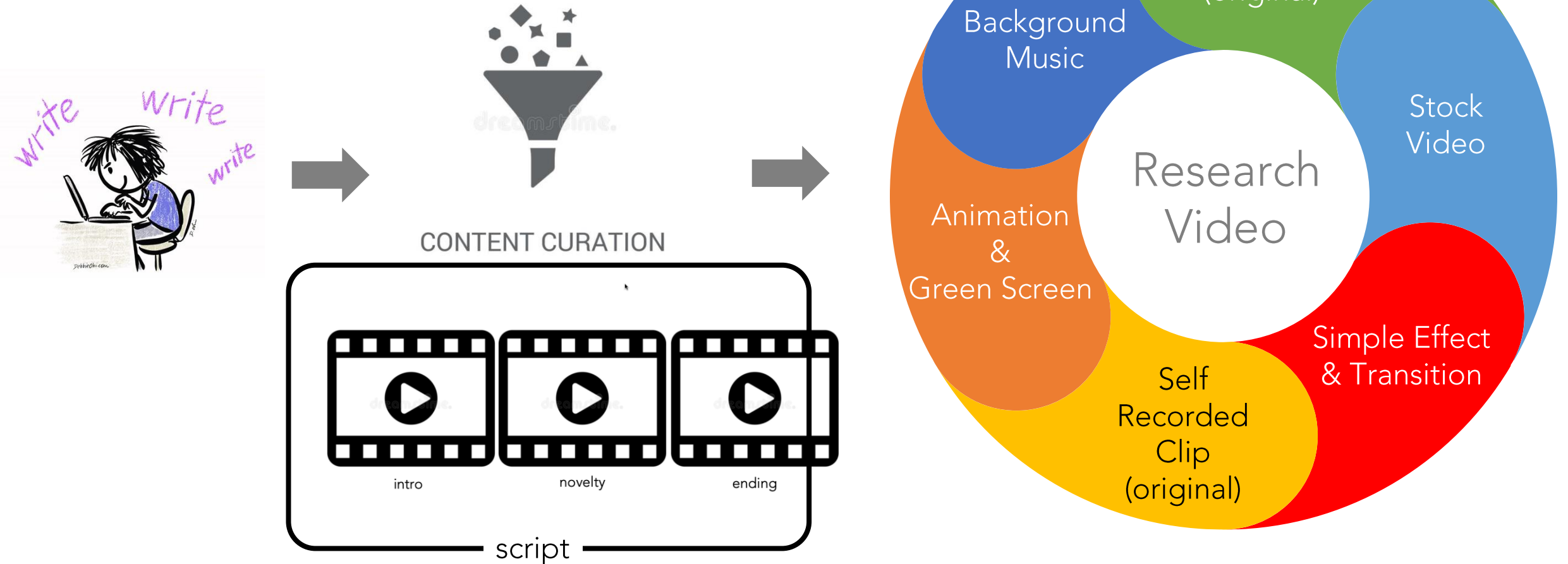
Full animated video

Let see what
a video
can do

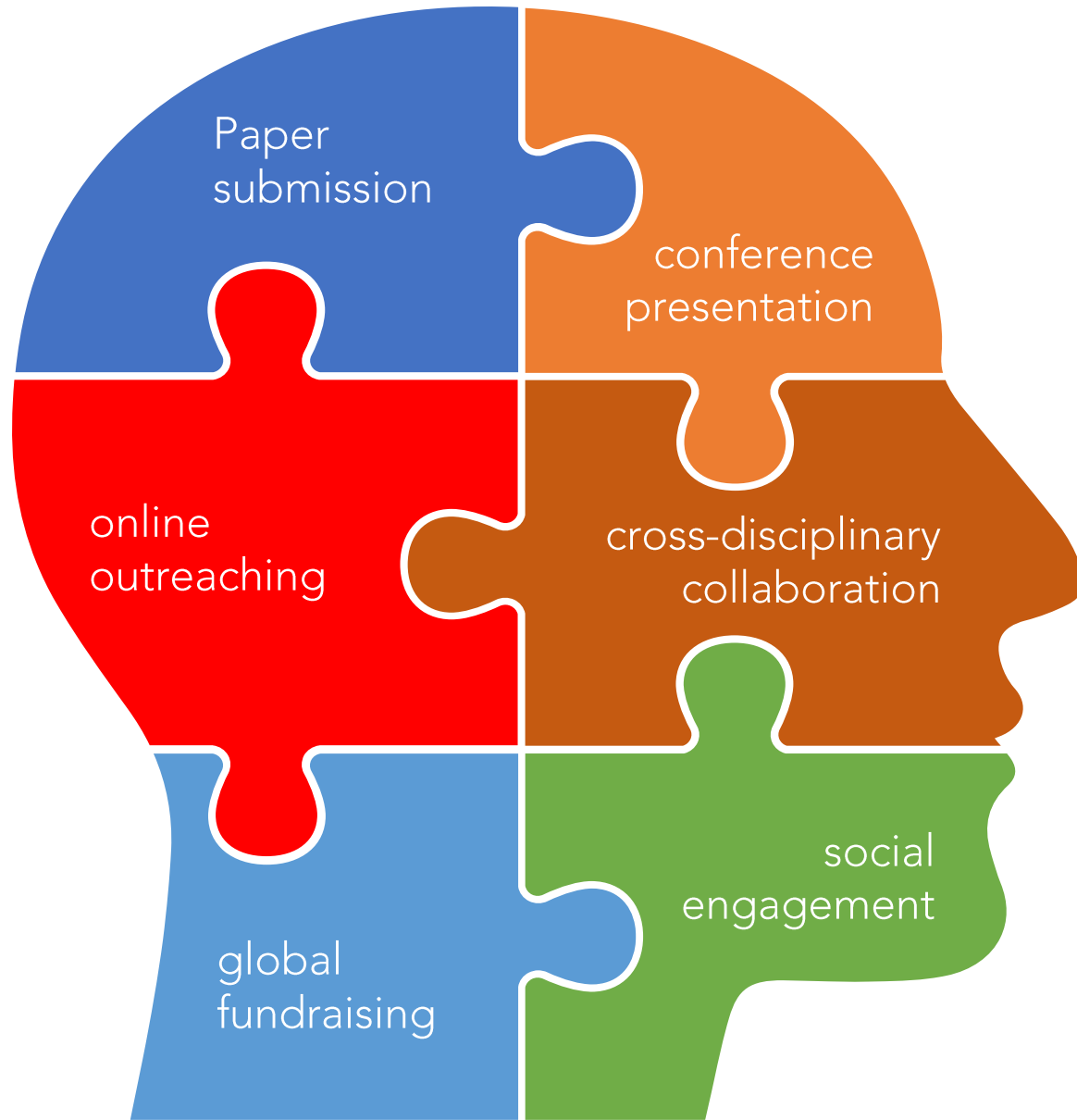


Full animated video + real people

The making of research video



The making of research video





Thank You



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we share your discovery

woeifuhwong@gmail.com

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