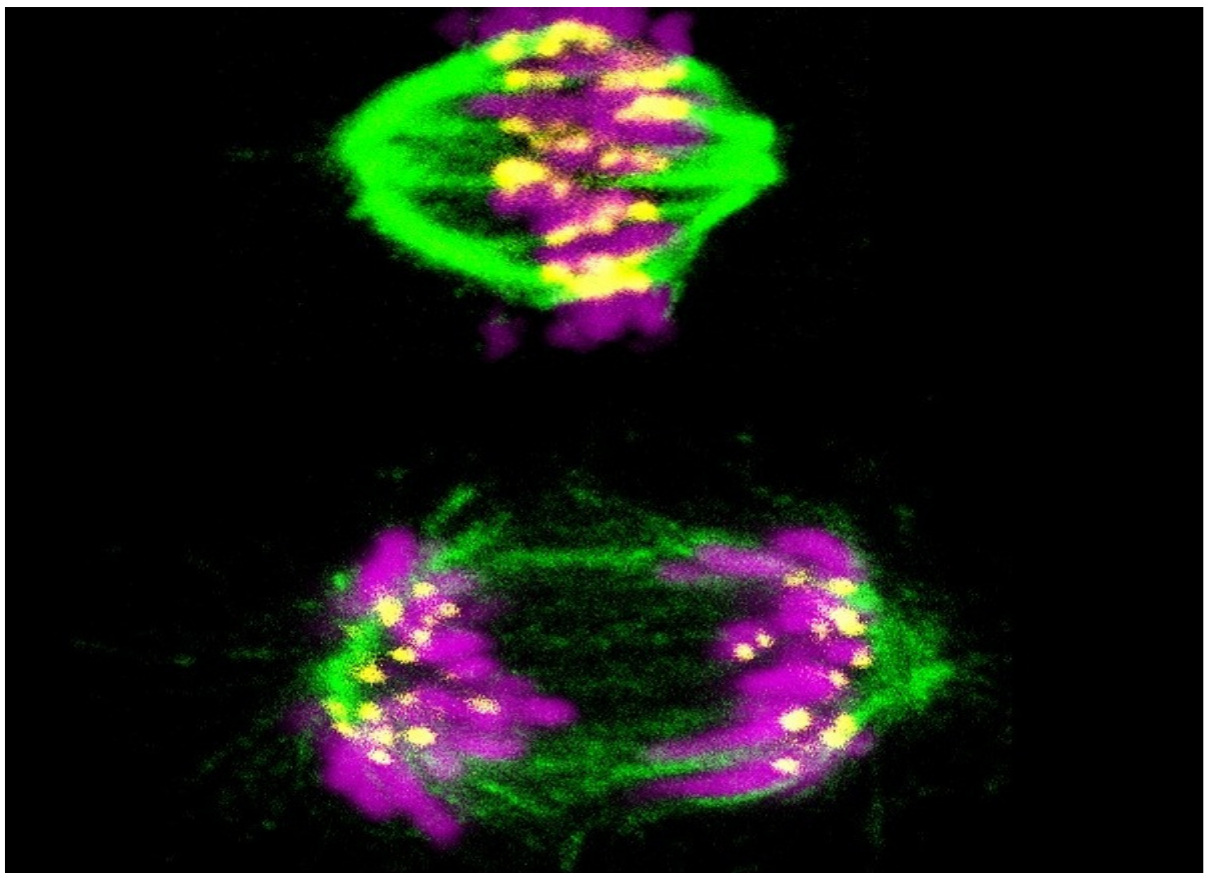


Humanics: All-For-One-One-For-All

The Elleesium: England: UK: Year Ninth: Day 02: Monday: September 25: 2023: Cogito Ergo Sum: Descartes

|| Cancer Biology || New Research Finds Mechanoresilient Cancer Cells Can Withstand Mechanical Stress and Are More Proliferative and Drug Resistant

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|| Sunday: September 24: 2023 || á. Scientists discovered that 'mechanoresilient' cancer cells, those can withstand significant mechanical stress, are more proliferative and drug resistant. The ability of cancer cells to metastasise or spread from one part of the body to another, is one of the reasons why cancer can be extremely challenging to treat. However, the process, that drives metastasis is complex and not fully understood. In a recent Study, scientists from the National University of Singapore:NUS have tried to look deeply at the complex interactions between tumour cells and the micro-environment and showed that some cancer cells are resilient to mechanical stress and such cells, also, have a stronger ability to multiply rapidly to form secondary tumours.

“Understanding how some cancer cells can survive mechanically-induced cell death is key to preventing the spread of malignant tumours and paves the way for more targeted therapies.” Said the Lead Author of the research Professor Lim Chwee Teck, who is the Director of the NUS Institute for Health Innovation and Technology and holds an appointment at the Department of Biomedical Engineering under the NUS College of Design and Engineering.

Professor Lim and his team reported these findings, a culmination of four years of research work, in the scientific journal *Advanced Science*. The human physiology possesses a unique defence mechanism, known as, immune surveillance, that targets circulating cancer cells in the bloodstream. This mechanism plays a crucial role in detecting and eliminating cancer cells.

The physical micro-environment in the form of tiny blood vessels, the capillaries, with diameters much smaller than that of circulating cancer cells, also, plays a role in ‘filtering’ out these cancer cells. Such narrow capillaries create physical barriers, that restrict the passage of larger cancer cells. Cancer cells, that cannot deform or squeeze through these tight spaces, may, become trapped or damaged, preventing their further dissemination.

How do certain circulating cancer cells avoid being ruptured by the shear forces within the body’s dense system of small capillaries? To investigate this, the scientists designed a new experimental method to ‘force’ different cancer cell lines through a series of small, capillary-sized constrictions. The majority of the cancer cells were ruptured and killed in the process. But the researchers, also, observed that a small population of each cancer cell line emerged relatively unscathed.

They further analysed these surviving cancer cells and discovered that they carried a distinct molecular signature compared with the original set of cancer cells. They discovered that the ability of these cells to survive and proliferate was linked to specific properties of their nuclear membrane proteins, nuclear stiffness and their self-repair capabilities.

The scientists characterised the surviving cancer cells, as ‘mechanoresilient’. They found out that in these cells, the DNA damage repair machinery, which is critical for cellular survival, was enhanced and more active than usual. These cells, also, exhibited greater malignancy; they could multiply more rapidly compared to the original cells and were, also, less susceptible to chemotherapy drugs.

Through a meta-analysis of different cancer types, using data from cancer genome database, the scientists showed that the altered gene expression profiles in these cancer cells were linked to poorer disease prognosis and patient outcomes. The research team uncovered an unexpected link between the cancer cells’ exposure to mechanical stress and the onset of metastatic development.

Although, previous studies have shown that metastasising cancer cells are more invasive and resistant to cancer therapies compared to localised cancer cells in primary tumours, it was not previously clear, if, mechanical stress played a direct role in this transformation.

In this Study, NUS scientists put the cancer cells through multiple rounds of mechanical stress and concluded, for the first time, that mechanical stress could, potentially, contribute to the surviving cancer cells gaining proliferation ability and drug resistance.

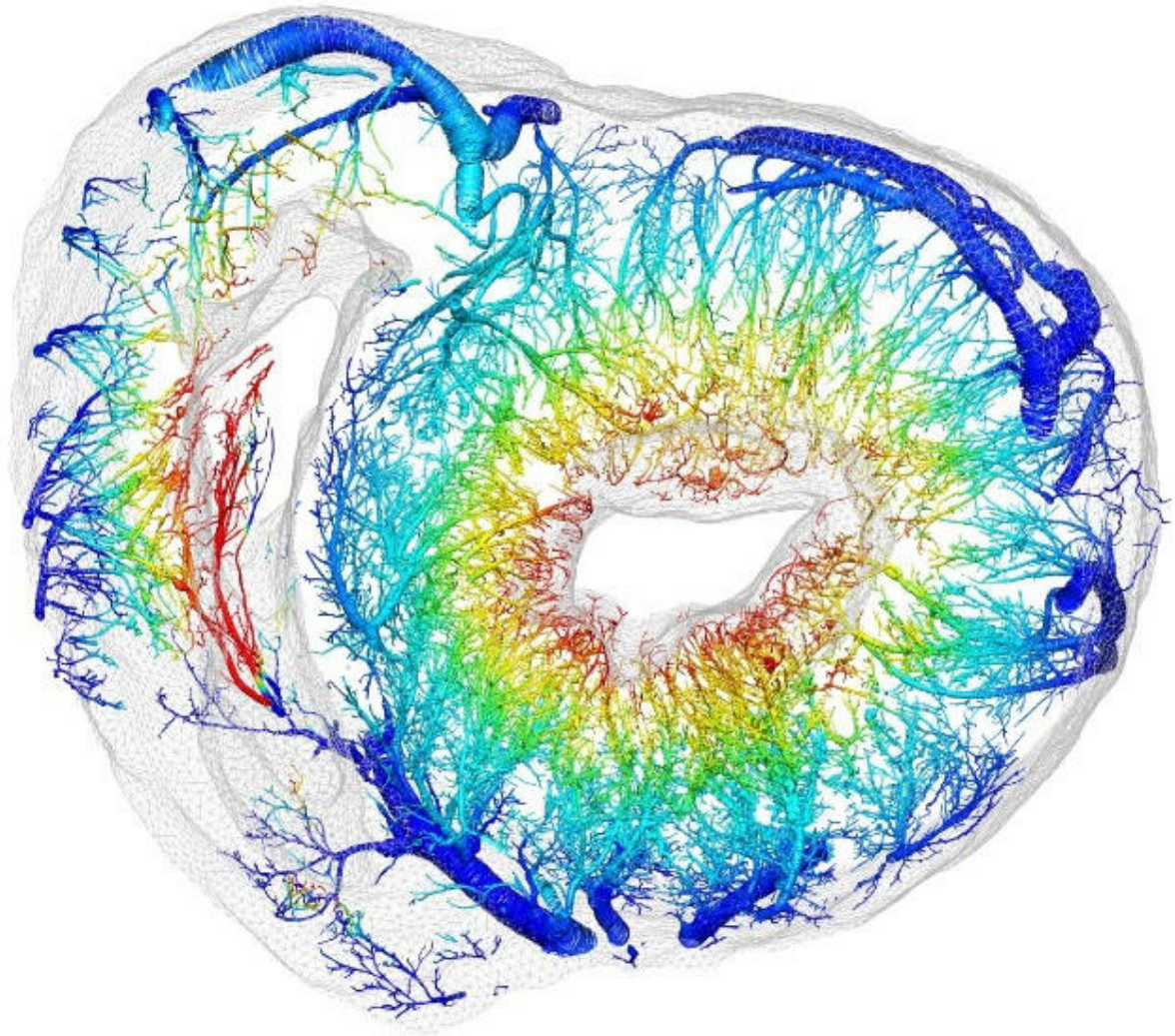
Understanding the molecular traits of mechanoresilient cancer cells, thus, open up a new avenue for cancer treatment. Therapeutic approaches could, potentially, be developed to target specific nuclear membrane proteins and inhibiting the self-repair ability of the cancer cells to achieve positive treatment outcomes.

Additionally, identifying the bio-markers, associated with mechanoresilience in cancer cells can be used to diagnose or even predict patient response to therapy.

Further research may contribute towards the development of a novel diagnostic method for cancer. For example, a detailed imaging of the cancer cell nucleus could show the presence of mechanoresilient cells, to help doctors in selecting a suitable treatment option, that prevents the onset of metastasis. ::::ω::::

|| Readmore at thehumanion.com/Medicine.htm || reginehumanicsfoundation.com || 250923 ||

Humanics: All-For-One-One-For-All



|| Selfishness Is the Most Definitive Way to, Absolutely, Harm One's Very Own Self, As Well As, Everyone and Everything Else: In Other Words, Selfishness Is Nothing But Absolute, Complete and Comprehensive Absence of Questioning or Thoughtfulness or Consideration, Which Makes Us Think and That, Thus, Enables Us to Reach the Rational Base and Foundation in Life and in Existence: This Means That Selfishness, Actually, Is a Terminal Enemy of the Agency of the Human Mind, Which It Keeps on Tearing Away and Apart by Being Devoid of Questioning and Thoughtfulness Because the Very Agency of the Human Mind Is a 'Structure', Created by the Architectonics of the Architecture of Human Rationality, Which Requires a Human Agency of the Human Mind to Put It to Use by Thinking, Questioning, Consideration, Analysing, Learning and Developing, All of Which Selfishness Terminates: Humanics: Humanics: All-For-One-One-For-All ||

The Humanics Elleesium Declaration 2019: The Humanicsxian Manifesto: Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019: The Manifesto can be read at <https://thehumanion.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto.htm> :: The Humanics Elleesium Declaration 2019: The Humanicsxian Manifesto: Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019 <https://thehumanion.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto.htm> ::

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|| The Larin Paraske Maxim Or Oath: To Do No Harm to Anyone Or Anything ||



<https://thehumanion.com/PDFs/TheLarinParaskeMaximOrOathMunayemMayeninPublishedMarch13-2020.pdf>

Humanicsxian Economics



What Is Humanicsxian Economics

Say: I Carry the Infinities of Making All Beings Happy:

Say: I Commit to Organise the Largest Feast For All Humanity Where Each and Every Human Soul Sit at the Same Table of Liberty and Equality to Eat and Drink From the Bounties of This Mother Earth and of the Human Works and Labours:

Say: I Commit to An Economics That Is Clean Green Circular and Sustainable:

Say: I Commit to an Economics That Does No Harm to Anyone or Anything:

Say: I Commit to Establish an Economics That Is Founded on Moral Science So That Humanity Is Let to Be and Do Nothing But Humanity Nature: Being and Doing an Infinity of Goodness Righteousness and Universal Harmony of Peace Unfolding Itself In By and With Social Morality of Civic Societies

And Further Say: I Commit to Found an Economics That Empowers the Entire Humanion With the Highest Degree of Education Continual and Life-Long Learning Development and Progression: Say: And Sovereignty Shall Be Returned to All Humanity Through the Direct Involvement Engagement and Participation of All Human Individual Beings Through Humanicovics the Public Affairs Management System Run By All Citizens Working Together Without Political Parties: That Is a Human Enterprise in Humanicovics Where Ownership Money and Their Powers and Prowess Have Been Eradicated and Replaced by Belongingship and That is Humanicsxian Economics: And Say: I Commit to Exist In By and With the High-Humanical Maxim: All-For-One and One-For-All: This Is Humanicxian Economics: This Is Why Regine Humanics Foundation Ltd and Regine Group of Publications Exist to Work and Take Forward The Philosophy Political Philosophy Political Economics and the Vision of Humanics to the Wider World and Wider Humanity For a Better Human Condition For All Humanity Across Mother Earth: One Humanity As One Humanion on One Mother Earth on One Sunnara on One Home Bay Milky Way Galaxy on One Universana: Humanity: We Are One: An Infinity Unfolding Itself: Thursday: June 25: 2020 | |



Humanicsxian Economics in Two Phases of Humanics

Pre-Humanical Phase: Kapitalawnomics

Pre-Humanical Phase: Kapitalawnomics: Capitalism Is Brought Under the Sovereignty of the People and Re-architected to Serve the People Under the Power and Prowess of the Rule of Law at All Times and Used to Develop Everything Towards Humanical Societies || At This Phase These Shall Become Reality: Right to Universal Natural Air || Right to Universal Natural Environment || Right to Universal Degree-Level Education || Right to Universal Balanced and Nutritional Food and Drink || Right to Universal Employment || Right to Universal Income || Right to Universal Home || Right to Universal Health || Right to Universal Social Care || For All Humanity Across the Earth Equate to Building-Block Foundational Human Rights: And the Entire Humanity Joining Together As All Individuals In a Humanion, Forming the First All-Humanity Sovereignty-Nature Habitat-Body on Earth and on This Universe as the First Ever International and Universal All-Humanity State and Government for the Whole World as One Body With Its Legislature Executive Judiciary Financial-Judiciary Rule of Law Civic Service Compact and Its Own Central Bank and Its Own Currency That Is the New International Currency || This Phase Is Done Through and by Working Humanity Organising As Political Forces and Parties.

Humanical Phase

Human Enterprise: Ownership Money and Their Powers and Prowess Are Eliminated and Replaced by Belongingship Whereby Humanity Reach Liberty and Equality and All Human Economics Endeavours Are Organised and Run Under Human Enterprise and the Whole Public Affairs Management Is Run and Conducted by Humanicsovics Whereby All Individual Humanity Work Together As Organised People Parliaments As Their Own High-Representatives: This Is Humanicsovics || This Is What the World's Working and Non-Working Humanity on Poverty-Wage on Punishment-Social-Security on Destitution-Abandonment-No-Security and the Powerless and Homeless Humanity Must Rise to Fight For and Reject All Plastering Tinker-Works by Any Political Forces: This Is Why It Is Time to Rise As One and Unite and Organise to Begin Again: Where Are the Younger Generations: Because If We Humanity Have Any Future It Is In Your Hands Hearts Minds Souls Eyes and Vision: Believe: Humanity Nature Is an Infinity Unfolding Itself and In Being and Doing Such Humanity Nature We All Exist by the High-Humanical Maxim: All-For-One and One-For-All and With This Humanical Societies Appear All Across the Earth and They All Form a Grid of a Humanical Civilisation, Led and Run by All Humanity Working Together at the Highest of All Bodies: The International and Universal State and Government of the Entire Humanion ||

What Are Building-Block Foundational Human Rights



Ask Your Political Leaders About Building-Block Foundational Human Rights and Ask Them About Humanics

The Building-Block Foundational Human Rights

- A: Absolute Right to Live in Clean, Healthy, Safe and Natural Environment
- B: Absolute Right to Breathe Natural, Fresh, Clean and Safe Air
- C: Absolute Right to Necessary Nutritional Balanced Food and Drink
- D: Absolute Right to Free Medical Care at the Point of Need
- E: Absolute Right to an Absolute Home
- F: Absolute Right to Free Degree-Level Education and Life Long Learning
- G: Absolute Right to Guaranteed Social Care

H: Absolute Right to a Universal Income

I: Absolute Right to a Job

J: Absolute Right to Dignified Civic and Human Funeral Paid Through by Universal Income

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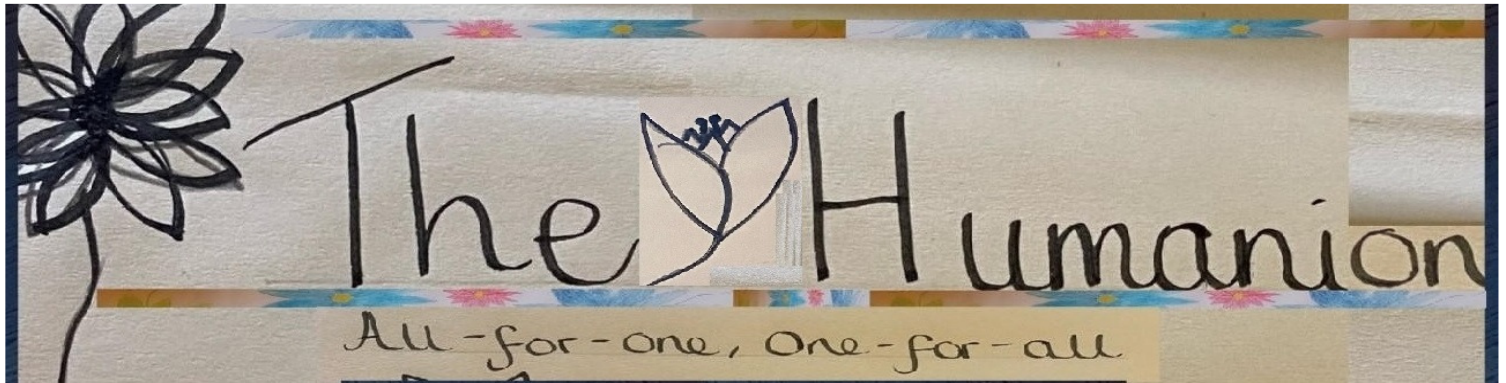
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We invite you to Envision the Vision and Philosophy of Humanics and Support The Humanion, The Humanion Portable and The Foundation to Keep Taking Forward the Vision and Philosophy of Humanics, to Keep on Challenging Capitalism's Poverty Paradigm, for an Infinitely Better Humanity in an Infinitely Better Human Condition for All Humanity Across Mother Earth. Thank You.



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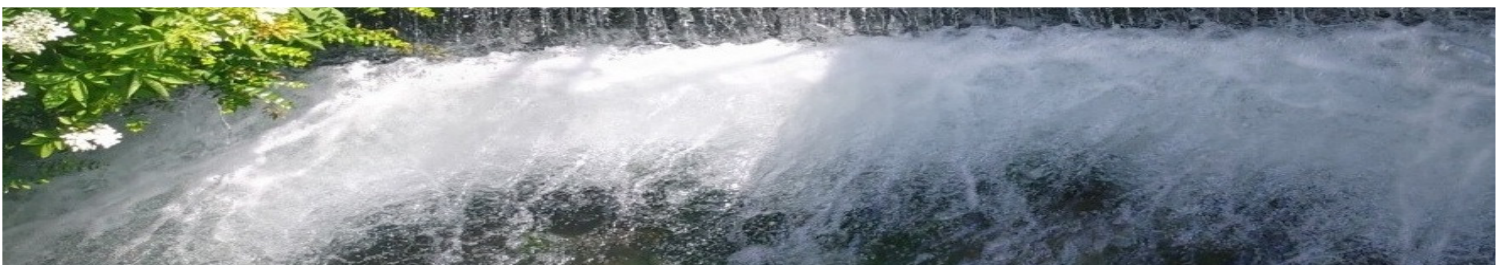
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