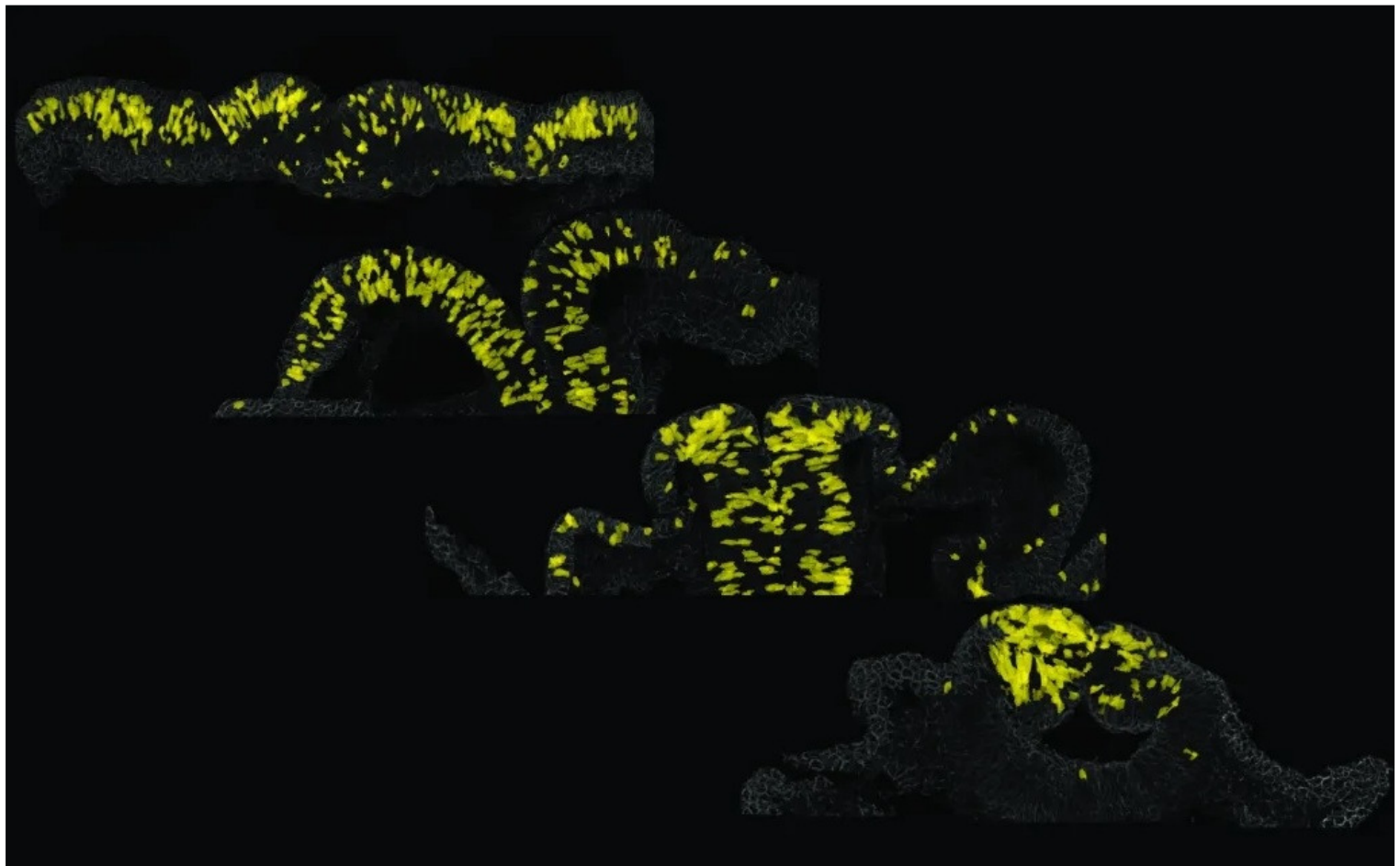


Humanics: All-For-One-One-For-All

The Elleesium: England: UK: Year Ninth: Day 07: Saturday: September 30: 2023: Cogito Ergo Sum: Descartes

|| Molecular Biology || New Research Presents the Most Important Early Stage of Embryonic Development ||



|| Friday: September 29: 2023 || α . A new discovery by researchers challenges our current understanding of gastrulation, the most important stage of early embryonic development. When the zygote or the fertilised egg, starts to develop, soon forming inner cell mass, a cluster of cells, that will, eventually, develop into the individual, retains its pluripotent stem cell potential for the first few weeks. In other words, every cell in this cluster has the ability to form an entire new individual and all of the hundreds of different cell types, that the human body needs.

The potential of stem cell therapies is based on this pluripotency of early embryonic stem cells. Gastrulation is a crucial stage in embryonic development where this pluripotency is lost when the

germ layers of the embryo as ectoderm, mesoderm and endoderm, and the three body axes of the developing body, anterior and posterior, dorsal and ventral, left and right, are formed. In fact, gastrulation is, often, referred to as the most important stage of life, with a large share of early miscarriages, resulting from unsuccessful gastrulation.

Researchers from the University of Helsinki and the National Institutes of Health:NIH in the United States found that the ectoderm, one of the germ layers, does not lose its pluripotency in gastrulation after all. It, also, answers the long-standing question, posed by developmental biologists, on how the neural crest, which originates from the ectoderm during embryonic development, has such an exceptionally high stem cell potential.

Following gastrulation, the neural crest develops into a large number of cells, that form various parts of the body. To name a few, tissues derived from the neural crest include pigment cells in the skin, the entire peripheral nervous system, the bones of the face and neck, parts of the heart and several hormone-producing cell types, in practice, cell types, whose differentiation from a single germ layer should be impossible.

“Our findings shed new light on the chain of events in early embryonic development. The findings indicate that the expression stage of stem cell genes, needed for the production of pluripotent stem cells, continues throughout the ectoderm almost until the completion of the neural tube, a pre-cursor to the central nervous system. The findings, also, indicate a much higher plasticity in the cell fate determination process, that occurs in the ectoderm than previously thought.” Says Dr Laura Kerosuo, the Principal Investigator of the research group, a former Academy researcher at the University of Helsinki, and currently the Chief of the Neural Crest Development and Disease Unit at the NIH.

A high-resolution imaging technique, capable of analysing individual cells, helped the researchers uncover these details. Previously, the research group developed this technique for the simultaneous analysis of the expression of several genes, which they modified further for this Study to enable them to monitor the location of individual stem cells in the ectoderm at different stages of development following gastrulation.

“With this precise and effective technique, cell profiles can be identified on site in the original tissue. The technique can be applied to any question, such as, comparing sick and healthy tissue.” Says Doctoral Researcher Ceren Pajanoja from the University of Helsinki.

Neurocristopathies or disorders, originating from the neural crest, account for, roughly, one-quarter of all congenital developmental disorders. The new knowledge, gained from the Study helps to understand the pathogenetic mechanisms of neurocristopathies and identify the gene defects, that cause them already in early pregnancy. The Study can, also, help in developing alternative therapies, that could in the future be applied to the foetus during pregnancy.

Cancers, originating from the neural crest include melanoma and neuroblastoma, an often-fatal disease in infants, which Dr Kerosuo's research group is, also, investigating from the perspective of neural crest development. "It has only recently been realised how important it is to understand the normal development of the original tissue to find out what went wrong when the cancer was activated." Dr Kerosuo says.

In addition, techniques for the differentiation of neural crest derived tissues from stem cells hold great promise for usage for future tissue replacement therapies. The Study was published in the Nature Communications journal and is part of a doctoral thesis, currently being completed by Doctoral Researcher Ceren Pajanoja at the Department of Biochemistry and Developmental Biology, Faculty of Medicine, University of Helsinki.

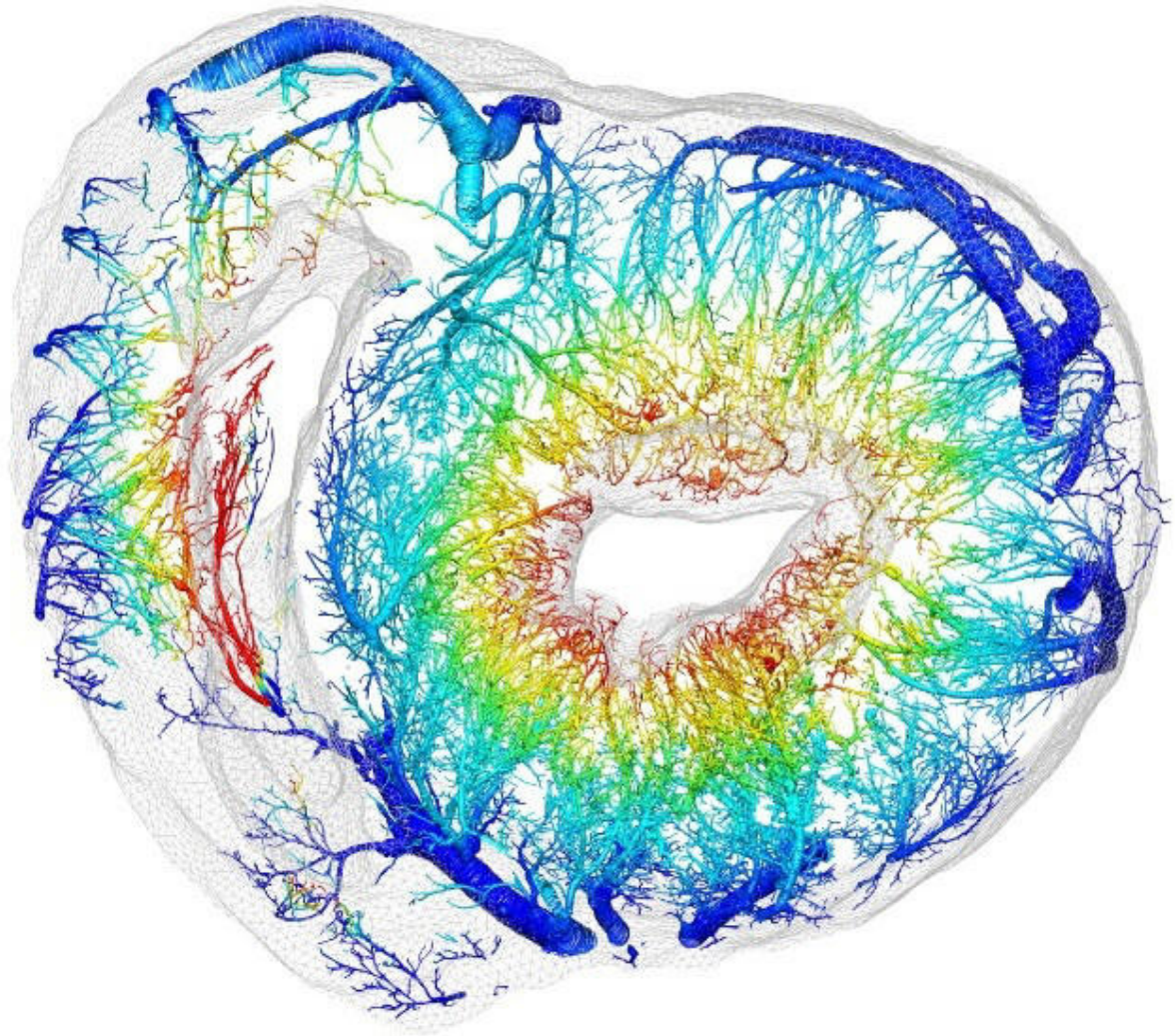
The Study received funding from the Research Council of Finland, the Sigrid Jusélius Foundation, the Väre Foundation for Pediatric Cancer Research, the Emil Aaltonen Foundation and the Intramural Research Programme of the National Institute of Dental and Craniofacial Research.

Laura Kerosuo, PhD, Principal Investigator, Docent in Stem Cell and Developmental Biology at the University of Helsinki and Stadtman Investigator and Chief of the Neural Crest Development and Disease Unit at the National Institutes of Health Intramural Research Programme, USA: laura.kerosuo@nih.gov

Caption: The image shows cross sections from four different developmental stages in the early embryo from gastrulation, flat, to the end of neurulation. Unexpectedly, the Study showed that stem cells, that have a pluripotent signature, which are visualised in yellow, are found in the entire developing ectoderm until the neural tube closure stage, when they are restricted to the neural crest cells at the top of the neural tube: Image: Kerosuo Lab: Ceren Pajanoja ::::ω::::

|| Readmore at thehumanion.com/Medicine.htm || reginehumanicsfoundation.com || 300923 ||

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 ||

|| Humanics: Humanity Naturale: An Infinity Unfolding Itself ||



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> ::

For more on Humanics As a School of Philosophy, please, visit

<https://reginehumanicsfoundation.com>

|| 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 Humanicsxian 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 Naturale Is an Infinity Unfolding Itself and In Being and Doing Such Humanity Naturale 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

|| Elleesium Group of Publications ||

|| Support Regine Humanics Foundation Ltd ||



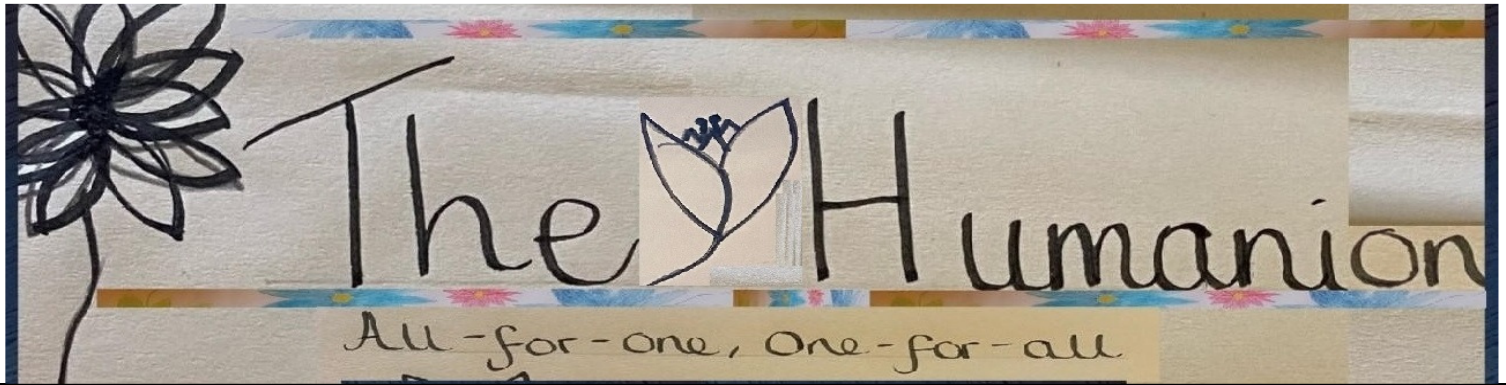
Regine Humanics Foundation Ltd Publishes The Humanion, The Ellaarch Humanion, The Humanion Portable, The Humanicsxian, among doing other things: We do not and shall not accept fundings or contributions from any type, form, manner and layer of Governments of national, international, supra-national or any other type or bodies formed by them nor from rich individuals or bodies or agencies of any kind. This, to us, is as a matter of absolute philosophic principle to ensure our resolute and complete independence. The ways, in which, we invite support from the readers, members of the public and all other individuals and agencies and businesses of any kind, are: a: Voluntary Subscription Payments: b: Voluntary Contributions: c: The Minimal and Symbolic Membership Fees: d: Buying a Copy of The Long Walk to Humanics: e: Contributing to Our Events: f: Subscribing to Our Publications and g: Advertisement in Elleesium Group of Publications.

You make a conscious, wilful and philosophic choice to Support Elleesium Group of Publications and The Foundation. If, you do: thank you: If, you do not, thank you, too, for reading The Humanion, The Humanicsxian and The Humanion Portable. The world has, apparently, accepted that Capitalism is the High Pinnacle of All Systems and, some still dream that Marxism will rescue humanity from this Killing Mechanism Capitalism, we refuse to subscribe to that. Humanics is the Post-Marxist and Post-Capitalistic World View of What Humanity can be and what it can do and how infinitely better a human condition can be created in a Humanical Society, by eradicating ownership and money and by establishing belongingship in human enterprise, setting all humans at liberty and equality under the rule of law in natural justice with a direct form of democracy, humanics calls it, Humanicsovics, in which, each human soul is her:his own High Representative. In this, Humanics is the Minority Vision and we do not and can not expect millions and billions of people supporting our vision today but We Whole-Heartedly Believe That ONE DAY This Humanity Shall BE ALL HUMANICAL: By When: We Know Not But This: That Being a Monstrous Killing Mechanism Capitalism IS Unsustainable: The World Shall Change One Day and Every Change Begins with an Idea, with a Vision:

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.



|| The Humanion ||



Editor-In-Chief

Munayem Mayenin

editor@thehumanion.com

Chief Deputy Editor

Dr J Everet Green

JEveretGreen@thehumanion.com

Editorial Contact: editor@thehumanion.com

The Foundation Contact: elleesium@reginehumanicsfoundation.com

The Ellaarch Humanion Contact: elle@theellaarchhumanion.com



|| Published by: Regine Humanics Foundation Ltd: A Human Enterprise: A Company Ltd by Guarantee: Registered in England and Wales as Not for Profit Social Enterprise: Company No: 11346648 ||



|| Support The Foundation || thehumanion.com || theellaarchhumanion.com ||
thehumanionportabledaily.com || thehumanion.com/TheHumanicsxian.htm ||
reginehumanicsfoundation.com ||