

|| Molecular Biology || Professor Naomi Hamburg Awarded \$03.7 Million to Study How Endothelial Cell Health Impacts Disease ||



Il Sunday: October 08: 2023 Il lpha. Professor Naomi Hamburg, MD, the Joseph A Vita Professor of Medicine at Boston University Chobanian and Avedisian School of Medicine, has been awarded \$03.7 million grant from the National Heart, Lung and Blood Institute for her research study, 'Endothelial Cell Health Across the Spectrum of Cardiometabolic Disease'. Cardiometabolic diseases are a group of common but, often, preventable conditions, including heart attack, stroke, diabetes, insulin resistance and non-alcoholic fatty liver disease.

The escalating prevalence of cardiometabolic risk factors, including obesity and type two diabetes mellitus:T2DM, presents a critical cardiovascular challenge. Individuals with cardiometabolic disease harbour greater risk of cardiovascular disease:CVD, including accelerated vascular aging

and premature blood vessel blockages. Importantly, changes in the endothelial cells, that line blood vessels predate the development of clinical CVD. Endothelial cell health is a window into early heart disease risk. Getting a glimpse into endothelial cells from people has potential to help create new treatments to protect blood vessel health. "Experimental studies and our prior work link altered metabolism to organelle, sub-cellular structure, that has one or more specific jobs to perform in the cell stress, including mitochondrial dysfunction and stress.

In this proposal, we hypothesise that organelle stress, induced by cardiometabolic traits drives vascular dysfunction and promotes CVD." Says Professor Hamburg, who is, also, the Chief of the Vascular Biology section and the Interim Director of the Whitaker Cardiovascular Institute at the School.

This Study will leverage a unique and highly experienced multi-disciplinary team of investigators with expertise in obesity-related cardiovascular disease, endothelial biology, population science, translational patient-oriented research, multi-omics and bio-informatics to study endothelial cell health at an unprecedented scale.

Using resources from the Framingham Heart Study, Professor Hamburg and her team will investigate the association of T2DM and cardiometabolic traits with endothelial cells:EC phenotype, including organelle stress and nitric oxide.

Professor Hamburg is a cardiologist and vascular medicine specialist at Boston Medical Centre and a recognised expert in the field of vascular medicine and the clinical translation of vascular biology. Her research work, which seeks to understand approaches to restore vascular health in patients with cardiometabolic disorders and peripheral artery disease and to evaluate the impact of novel tobacco products and long COVID-19, has been continuously funded by the National Institutes of Health and other foundations for the past 15 years.

She has developed highly innovative approaches to study endothelial cells from patients to dissect the mechanisms of disease and identify new targets for heart disease therapies. Professor Hamburg has held multiple leadership positions in the field of Vascular Medicine, including the Chair of the Peripheral Vascular Disease Council of the American Heart Association and as a board member of the Society of Vascular Medicine, American Society of Echocardiography and Vascular Testing Division of the Intersocietal Accreditation Commission.

She co-chaired the Advanced Training Statement on Vascular Medicine from the American College of Cardiology and the Society of Vascular Medicine.

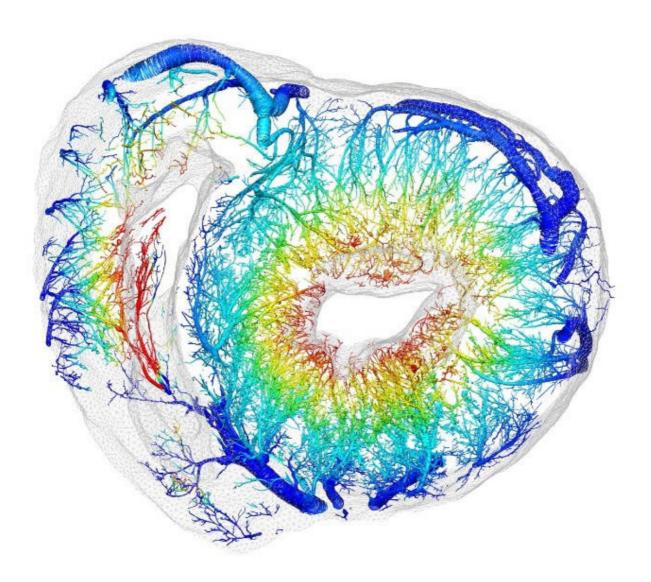
She has authored more than 150 scientific papers in the peer-reviewed literature and has served on guideline writing committees. She is a past Associate Editor of the journal Vascular Medicine and current Associate Editor for Circulation Research. Professor Hamburg is passionate about improving the care of vascular diseases and mentoring scientists and physicians.

Professor Hamburg https://profiles.bu.edu/Naomi.Hamburg

Caption: Professor Naomi Hamburg: Image: Boston University School of Medicine https://bumc.bu.edu ::::ω:::::

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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 Image Caption: The Heart: Shortlisted In The BHF Reflections Of Research Competition 2016: Image: Simone Rivolo



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



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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 Naturale: 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 Humanicsovics the Public Affairs Management System Run By All Citizens Working Together Without Political Parties: That Is a Human Enterprise in Humanicsovics 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-architectured 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-Naturale 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

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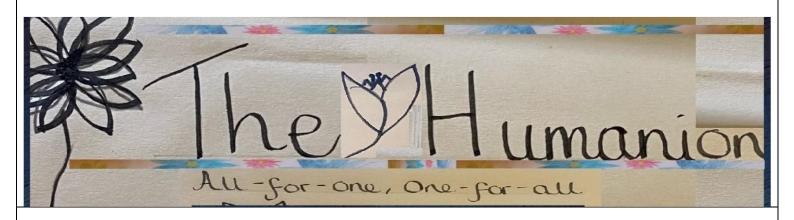
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Killing Mechanism Capitalism IS Unsustainable: The World Shall Change One Day and Every Change Begins with an Idea, with a Vision:

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