Carnicom Institute Research

2024

Acknowledgements

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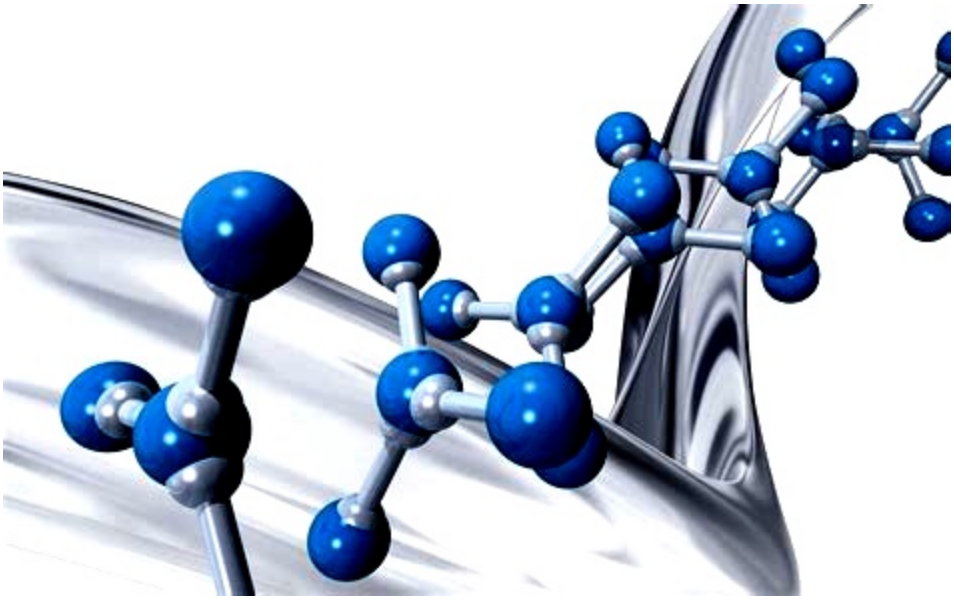
Synthetic Biology & The Cross Domain Bacteria : An Organic Summary

Synthetic Biology & The Cross Domain Bacteria : An Organic Summary

Clifford E Carnicom
Jan 16 2024

This list is a statement of the most probable organic functional groups composing the Cross Domain Bacteria (CDB) and the metabolic products from it. Functional groups are the “building blocks” of organic chemistry and they provide a fundamental framework in which to understand the nature of the CDB, a synthetic, engineered, xenobiotic life form under study by Carnicom Institute (CI) for several decades. They are, in turn, the basis for establishing the reactivity which causes harm within the body. Functional groups exist at the molecular level of matter, and they therefore precede any further development or study, including nanotechnology. The work is based primarily upon extensive culture analysis.



The CDB have been shown to be directly responsible for egregious harm to human health and the alteration of human biology. This includes the subjects of synthetic biology, blood clotting, xenobiotic proteins, synthetic blood, electromagnetic blood transformation, bioplastic human alteration, and the so called “Morgellons” condition. There are many other topics to be included. Approximately 450 research papers exist at CI to testify to the conclusions above.

It is the assessment of CI that knowledge of and replication of this chemistry is fundamental to any subsequent understanding of synthetic biology that is known to be affecting and threatening human welfare. This includes any mitigation or termination strategies that may or will be forthcoming. Each of these functional groups represents a window of understanding to the current impact of this particular synthetic biology upon humans. This includes the ***nature*** of every functional group listed, along with the ***reactivity*** that corresponds to each of them. Polymeric biological chemistry, including synthetic polymerization, is central to the character of this list.

The organic functional group (or compound, structure, etc.) list follows (subject to revision):

Methyl
Methylene
Protein
Aromatic amine
Aromatic CH
Vinyl
Vinylidene
Polyamide
Amine
Hemoglobin
Tyrosine
Alcohol (cyclic alcohol, emphasis upon amino methyl propanol or related – MID IR analysis)
Ester (emphasis upon sorbitan monolaurate or related – MID IR analysis)
Alkyl alcohol
Nucleic Acids – DNA
Bacteriophage prospect

Note: A preliminary inorganic analysis (e.g., metals) may be found here.

Clifford E Carnicom
Jan 08 2024

born Clifford Bruce Stewart, Jan 19 1953.

A “Filaments” Perspective : 25 Years and Counting…

A “Filaments” Perspective : 25 Years and Counting…

Clifford E Carnicom
Jan 13 2024

For the past several years, there has been some attention given to the presence of unusual filaments within blood samples, blood clots, and (purported) “vaccine” studies. If studied adequately, it will be determined that these filaments have a complex internal biology within them, down to the sub-micron level (minimum). Various names and chemical identities have been assigned to these filaments, such as “ribbons”, “threads”, “graphene oxide”(i.e., elementary chemistry) and the like. There are numerous implications from various researchers that these filaments originate from the advent of the “Covid Era”.

The characterization of these filaments as a product only of recent years, i.e., from purported “vaccines”, is mistaken. Any characterization of the filaments as being of relatively simple or uniform chemistry is mistaken. Any characterization of the filaments as being an unknown and mysterious entity (with no effort expended to remedy that ignorance) is equally inadequate and mistaken.

It is a disservice to simplify their nature, origin, constitution, and capabilities. These filaments, actually a product of synthetic biology, have altered human biology in untold ways for decades and they are NOT a mystery as to their origin or general nature. Any perpetuation of that myth is either from ignorance or with motive.

These unusual and remarkable filaments:

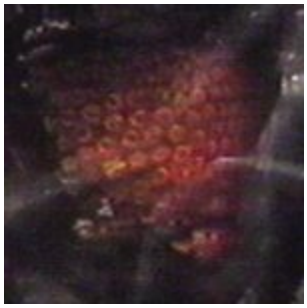
1. Have a known and documented existence of approximately 25 years.
2. Are of an extremely complex biological nature, internally down to the sub-micron level (at a minimum).
3. Have been intensively studied by Carnicom Institute (CI) and others for this same time period.
4. Are directly a physical aspect of the health condition known as “Morgellons”.
5. Have been shown to have a direct role in blood clotting and blood changes that appear to occur more frequently and visibly within the *Covid Era*.
6. Are ultimately of a synthetic, engineered, xenobiotic nature.
7. Were first identified to originate from an environmental source (geoengineering, bioengineering research).
8. Were given to the United States Environmental Protection Agency (EPA) in the year 2000 with a request for identification on behalf of the public welfare; this request was refused via a

“policy” decision.
9. Are a direct metabolic development of the Cross Domain Bacteria (CDB) under study at CI over these same decades.
10. Have some variation in form (a degree of pleomorphism) and size (although all are primarily microscopic) and all have an existence that can be shown to directly originate from the CDB.
11. Are the subject of a false certified paid commercial laboratory report (organic) conducted in Jan 2000.
12. Are the subject of a truthful certified commercial laboratory report (inorganic) conducted prior to 2017.
13. Can be shown to be a source of synthetic blood production under appropriate culture conditions.
14. The filaments can be demonstrated to be distributed throughout human biology, not just blood.
15. Can be cultured successfully from these same CDB.

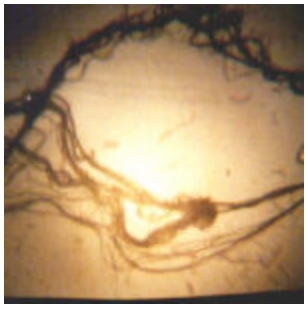
These conclusions are justified with the research available at CI beginning in 1999 and they carry forward to the present day.

As the available research is too lengthy to present, a sampling of representative images and titles from the ~450 paper research set will be given to give a sense of the state of affairs:

EPA REFUSES TO IDENTIFY, RETURNS SAMPLE 18 MONTH DELAY
Jul 05 2001



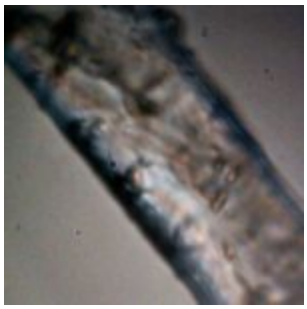
BIOLOGICAL COMPONENTS IDENTIFIED
May 11 2000



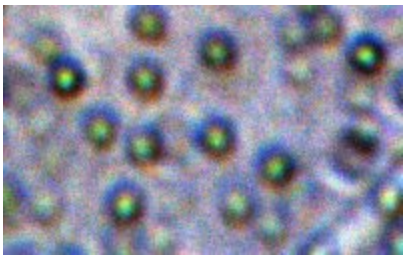
AEROSOL GROUND SAMPLE: MICROSCOPIC VIEWS
Nov 04 1999

VISITORS
Aug 26, 1999

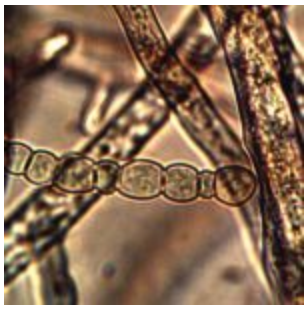
MORGELLONS : AN ENVIRONMENTAL SOURCE
Dec 14 2009



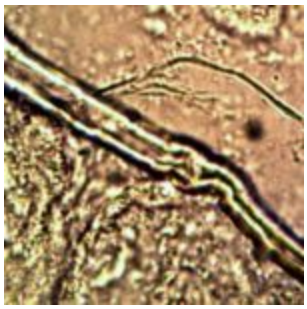
MORGELLONS: AIRBORNE, SKIN & BLOOD – A MATCH
Dec 10 2007



Cross-Domain Bacteria Isolation
May 17 2014

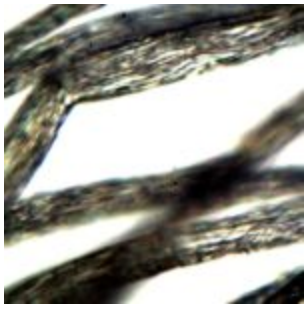


CDB: Growth Progressions
Jun 13 2014



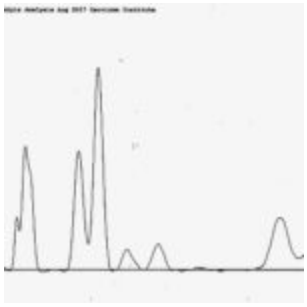
The New Biology
Jan 18 2014

Morgellons : An International Presence
Aug 10 2016

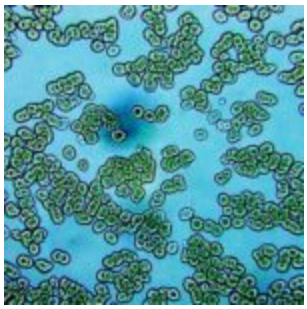


Global Validation
Nov 26 2017

Bean Growth Report
Oct 03 2017



Morgellons : Unique Protein Isolated & Characterized
Oct 01 2017



Blood Alterations : A Six Part Series
Aug 2022 – Oct 2022

Bedtime Efforts : Organic Summary II

Bedtime Efforts : Organic Summary II

Clifford E Carnicom
Feb 02 2024

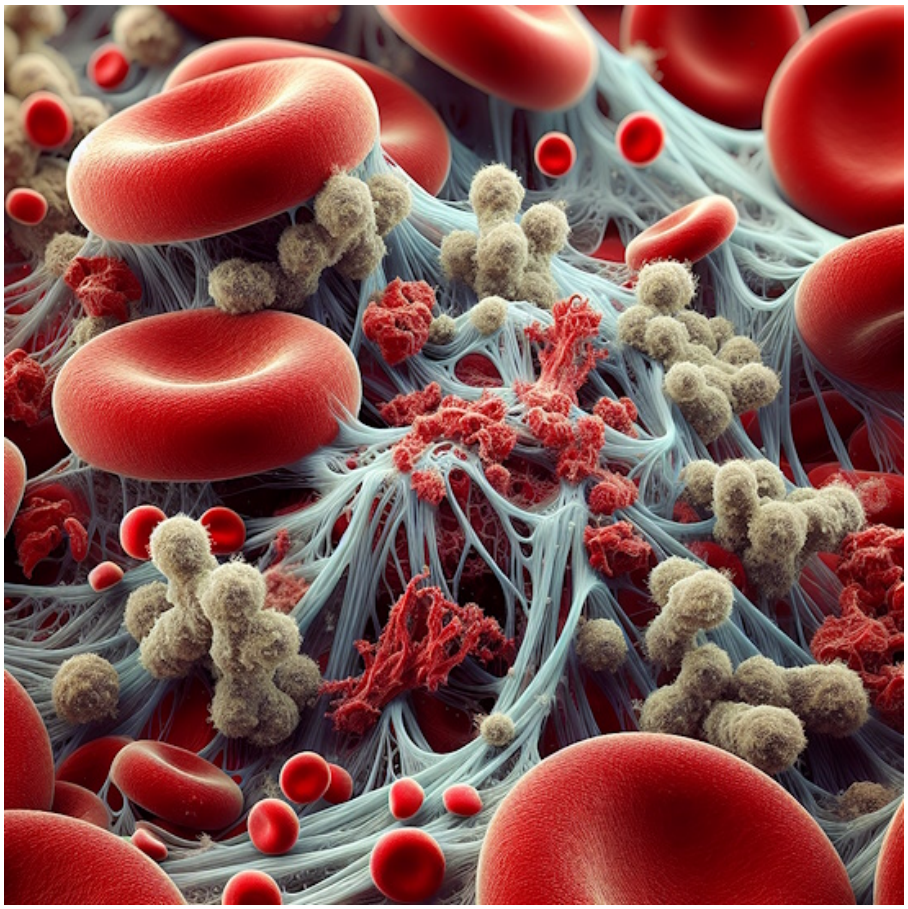
The following does not qualify as bedtime reading, but an attempt will be made to provide a few bedtime paragraphs. The synthesis of this information requires a couple of seasons of work and some midnight oil along the way.

This paper represents a second generation summary of the organic (i.e., biological) nature of the Cross Domain Bacteria (CDB (nomenclature origin here) under study for more than two decades by Carnicom Institute (CI). Although developed further, the work remains at at a primitive level relative to that required, necessary and possible under the proper conditions. The research record for context is available here.

The reason for this type of work is that it provides the minimum required information to develop internal evidence based strategies for mitigation, interference or termination of the CDB health impacts. This impact includes blood clotting, damage and destruction. The CDB and the synthetic biology that envelops it is no less than an assault on and threat to human existence. This claim will not be discussed further here, as it been made in repetition previously.

The issues of increased blood clotting and the severe threats it presents, including the inadequately defined associations of the *Covid Era*, are the primary reason for the recent resurgence in CI research. Certain stages of accomplishment are being sought and realized within the means, time and resources available. This paper represents a significant stage of that planning. Opportunity has existed for decades, but it does not exist indefinitely. CI will continue to serve within its means and the context of that planning.

The work offers a more thorough study of four different metabolic products from CDB culture. From this point on, the paper will focus on the specific results of analysis and the bedtime story is already likely beginning to wane…



Conceptual Image of Organic Summary II Components
Microscope Images of Record Available on CI Site

There are a minimum of five generations of cultures developed over the last two decades. The cultures share common themes and constituents, but differences also exist depending upon the particular mediums chosen. In total, the cultures are responsible for developing at least a couple dozen variations in metabolic products, with various proteins, polymers, lipids and DNA realized within that chronicle of research. The existence of the CDB as the origin of all forms and the conclusion of synthetic biology is a central tenet and conclusion of this work.

The current culture work is well representative of the various generations, and demonstrates biological (additionally, synthetic) sophistication that would keep thoughtful researchers occupied for decades. No such luxury exists at this point, so we are left scrapping for the essentials with relatively limited tools. So be it; the fire still burns.

Four variations in form will be discussed here. For simplicity, they will be itemized as follows:

1. Middle layer
2. Top layer
3. Bottom Layer
4. Mid infrared analysis of a 2015 CDB culture sample

CDB Culture Layers Under Analysis
(front view)

The culture as shown takes approximately 1-2 months to develop.

I will start with the middle layer, as it is responsible for the creation of the top and bottom layers as well. This is a water soluble development, and it comprises the bulk of the mass as shown above. The consequences of water solubility as it affects distribution throughout the human body has been discussed in previous papers. I will confine the current discussion to listing the functional groups, biomolecules, etc., that have been identified. The importance of this and subsequent listings is stated above.

Representative methods of analysis include:

1. Reflectance spectrometry
2. Visible light spectrometry
3. Near Infrared (NIR) spectrometry.
4. Liquid column chromatography
5. Titration (multiple equivalence points exist within the middle layer)
6. Qualitative organic chemistry analyses
7. Inorganic qualitative analyses
8. Microscopy
9. Conductivity tests
10. Water test kit analysis
11. Forensic & digital meter hemoglobin testing

12. Protein detection reagent development
13. Mid infrared (for the 2015 culture spectrum)
14. Spectroscopy Reference Sources, IR databases, IR software analysis
15. Professional mid infrared analysis (comparative) (for the 2015 culture spectrum)
16. AI engine chemometric and spectroscopic inquiry/cross-examination analyses
17. Statistical testing methods

The listings are subject to revision, but they represent the most probable assessment of component analysis at this time.

A. OVERVIEW OF MOST PROBABLE MIDDLE LAYER CONSTITUENTS
(dominated by water solubility)

1. Protein(s)
2. Aromatics (subject to polymerization)
3. Phenols
4. Amines
5. Aromatic amino acids likely, specifically tyrosine and tryptophan.
6. Vinyl functional groups
7. Alkenes (reactive chemical bond) (subject to polymerization)
8. Polyenes
9. Methylene group
10. Methyl group
11. Alkyl alcohol
12. Hydroxyl group
13. High electrical conductivity (inorganics, ion presence)
14. Moderate to strong acidity
15. Solubility qualitative organic. tests w/pH indicate low molecular weight carboxylic acids are present.
16. Known to be able to produce a calcium carbonate polymer within a specific chemical environment.
17. Evidence for the existence of a filamentous bacteriophage does exist, and it remains under evaluation.

The risk to health certainly increases with the development of the top layer, which is of polymer form.

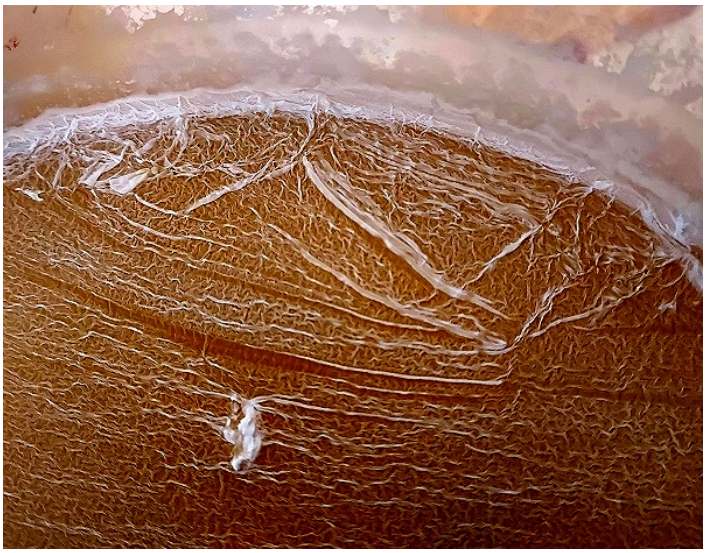
B. OVERVIEW OF MOST PROBABLE TOP LAYER CONSTITUENTS
(dominated by polymerization and synthetic blood development)

1. Alkyl alcohol
2. Amides,
3. Amines
4. Protein
3. Nucleic acids/DNA in the top layer.
5. Polymer(s) .
6. Synthetic blood production.
7. Hemoglobin
8. Aromatic CH
9. Polyamides
10. Polycyclic aromatics
11. Aromatics with extended rings
12. Polymer micro-spheres (~0.25 microns) (evidence of association with synthetic blood production) (discussion below)
13. Phenols
14. Carboxylic acids

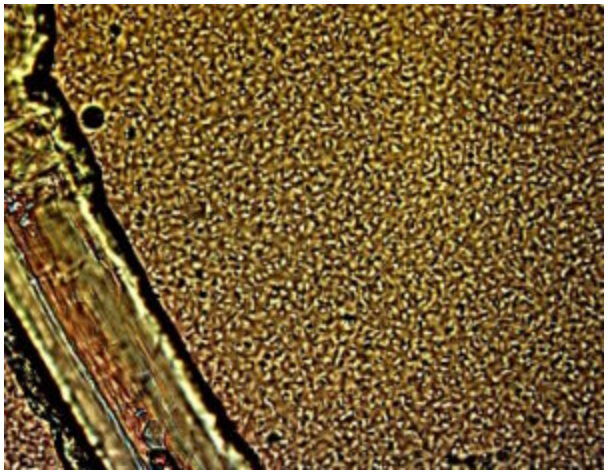
Additional discussion of the top polymer layer is helpful. This layer will form from a uniform water soluble medium and has the appearance shown below. It displays all behaviors characteristic of a polymer. It is uniform, white in color, insoluble in water and behaves as a very soft plastic material is expected to.

Microscopic examination of the top polymer layer reveals a previously unseen internal structure. It is, at least in part, composed of small, densely packed, uniform spheres that are not characteristic of the larger CDB. The general impression is that of uniform micro-spheres that measure approx. 0.25 microns (um). This is the smallest size of metabolic products from a CDB culture that have been observed or measured to date. It is fair to consider it at the limit of what is observable with visible light microscopy. The CDB measure approx. 0.5 um optically but resolution is a limiting factor. Provided electron microscopy has shown the most resolved images of the CDB to be at ~0.3 um in diameter. Due to the optical resolution issues, it will not be surprising if the micro-spheres below measure eventually at less than 0.25 um in diameter.

This remains outside the range of nanotechnology, essentially by the limitations of visible microscopy. It does, however, approach that boundary by an order of magnitude or two. It remains inappropriate, as it always has, to classify materials as nanotechnology that are not observable or measurable as such. Molecular knowledge, such as spectroscopic functional analysis, is an entirely different matter as it is operative beneath the nano-material level. Physical behavior or properties of materials may also be confirmatory of nanotechnology. All images shown here, however, remain at the micro level and it remains essential to keep such size distinctions clear.

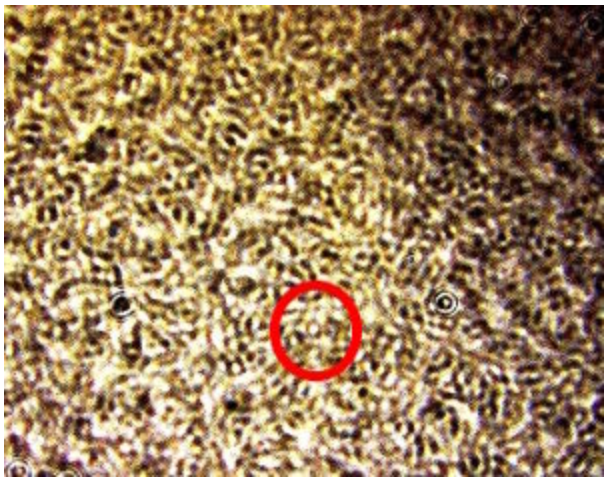


Top Layer – Polymer Formation (macro view)



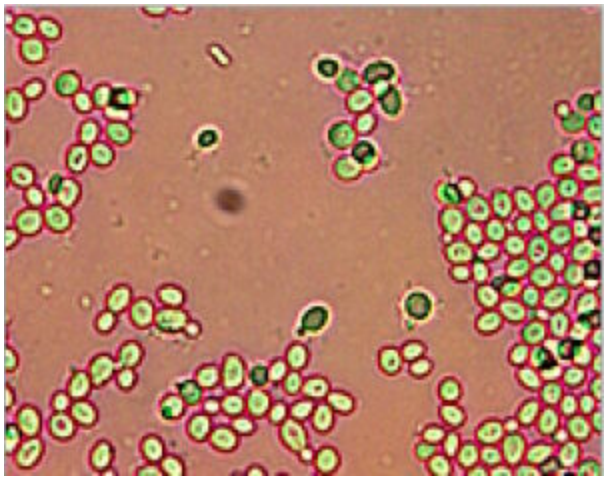
Top Layer Polymer at 3200x.
Uniform micro-spheres (measurement approximately 0.25 microns) characteristic of polymer formation are visible in majority of image.
CDB developed filament layer to left.

Continuing at a higher magnification:



Initial Stage Top Layer Polymer at 8000x.
Uniform microspheres (measurement ~0.25 microns)
Uniformity and density is characteristic of polymer formation

The photograph below presents some intriguing observations. It appears to be the same material as immediately above but at a later date of culture growth. There are two important distinctions to note. First, the size of the objects have increased in size in this case to ~1.5 um in diameter. Secondly, the geometry of the objects is assuming concavity or bi-concavity. The resemblance to erythrocyte geometry can not be dismissed or ignored here. Knowing that this polymer layer has previously been confirmed to produce synthetic blood and hemoglobin, it is not any stretch to postulate that the micro-spheres shown above may well be involved in the development of the synthetic blood. It is also worthy to mention that at various stages of observation of the synthetic blood that cells of ~4 um diameter (vs 6-8 um characteristic of human blood) are commonly observed. Circular and bi-concavity remains characteristic at all times, however, and hemoglobin presence has been confirmed from previous testing.



Top layer development at a later date at 3200x.
Spheres/disks increase in size (~1.5 um) and assume concave geometry.

C. OVERVIEW OF MOST PROBABLE BOTTOM LAYER CONSTITUENTS

The bottom layer has not been studied at the level of detail as the previous middle and top layers. NIR overview analysis, however, indicates that it shares many of the same organic properties as the top layer. The main observable difference at this point is that the layer sinks. The conclusion from this is that the bottom layer is more dense than the top layer, regardless of similarities that exist between the two. This in turn implies that the the bottom layer may have a higher inorganic content, such as metals, than the top layer.

It is therefore appropriate to mention that significant related inorganic analysis has previously taken place within CDB polymers or growth, and two sources are as follows:

1. Environmental Filament, Project: Metals Testing Laboratory Report (Aug 2017)

This paper describes the results of a high level analytical examination (ICMP-MS) of the "Environmental Filament" that has been extensively studied within CI. Numerical results are available at the paper mentioned. The summary report lists the following inorganics (metals) found:

Aluminum
Barium
Calcium
Chromium
Copper
Iron
Lead
Magnesium
Manganese
Nickel
Potassium
Titanium
Vanadium
Zinc

2. Blood Alterations : A Six Part Series (Aug 2022 – Oct 2022)

In addition, another CI project (six research papers) that studies the CDB transformation of human blood with the application of electrical current lists the following inorganics presents, along with expected impacts to human health from their presence:

Blood Subjected to Electrical Current:
Foam Precipitate Candidate Chemical Constituents:

1. Halogens (Cl, Fl, Br, I)
2. Peroxide (H_20_2,oxidizer)
3. Hydrazoic Acid (HN_3)
4. Electrolytes (Na, Ca, Mg, etc.)
5. Metals in ionic form (Fe, Al, Mn)
6. Nitrogen & Sulfur compounds

Blood Subjected to Electrical Current:
Settled Layer Candidate Chemical Constituents:

1. Halogens (Cl, Br)
2. Peroxide (H_20_2,oxidizer)
3. Phosphate compound (H3PO4)
4. Metals in ionic form (Ca, Fe, Mg, Al)
5. Hydrazoic Acid (HN_3)
6. Iron – cyanide complex [Fe(CN6)]
7. Metals in ionic form (Fe, Al, Mn)
8. Nitrogen & Sulfur compounds

The extensive list of inorganic compounds or elements equally justifies the rationale for this summary report.

C. OVERVIEW OF MOST PROBABLE CONSTITUENTS OF MID INFRARED 2015 CULTURE SAMPLE:

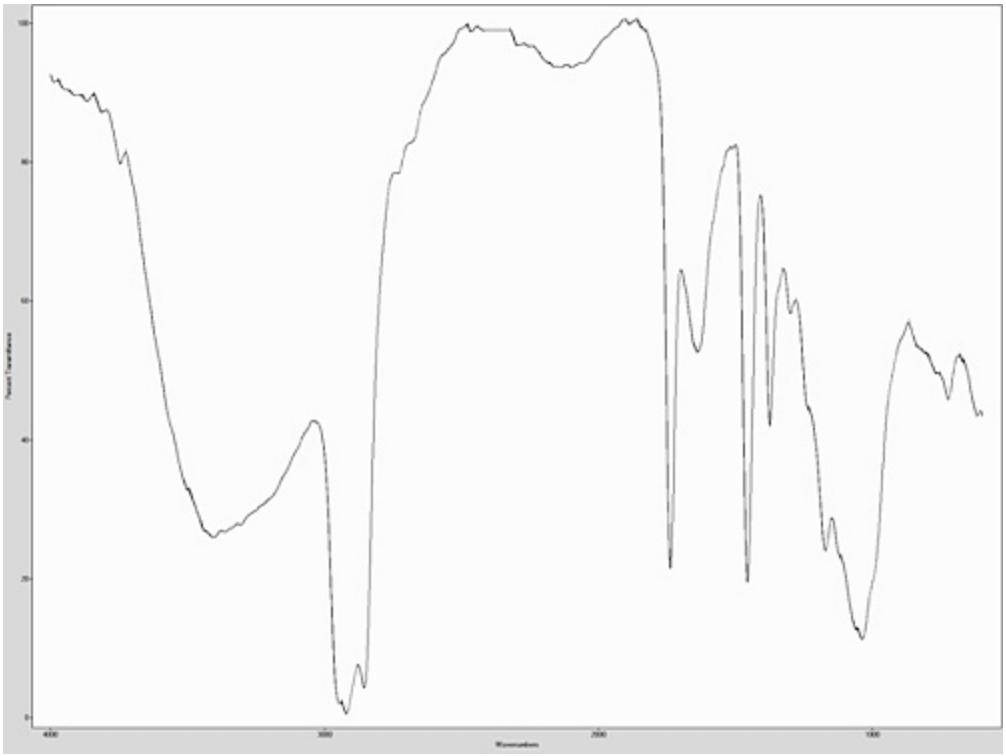
The last sample is to be treated and discussed separately, as it has unique aspects to it. In the middle of the previous decade, CI had access to a mid infrared instrument of high quality. Mid infrared technology operates at a level of molecular detail that is much higher than that of near infrared (NIR). Access to mid infrared is highly valued, and it is hoped that this can be restored within CI capabilities.

Extensive mid infrared work accomplished by CI during that decade remains vastly under utilized to this day. Approximately 1000 spectra were acquired at the time, and they are all available within the CI Library Download Portal. The objective at the time was primarily to collect data as its value was recognized. Interpretation of mid infrared is an entirely different prospect and profession, and this was conducted as time permitted. This library remains of

much value within our current plight of changing standards and loss of reference frames. What is defined as a reference for environmental, biological and health study has become a moving target since the year 2000.

As an example, numerous spectra were collected on human blood samples in the middle of the last decade (cerca 2015). This spectral database, given proper study, may offer additional insight into the impact of the “Covid Era” upon human blood if current samples will be compared.

The following is an example of a mid infrared spectrum collected in September 2015 of a CDB culture product now under discussion:

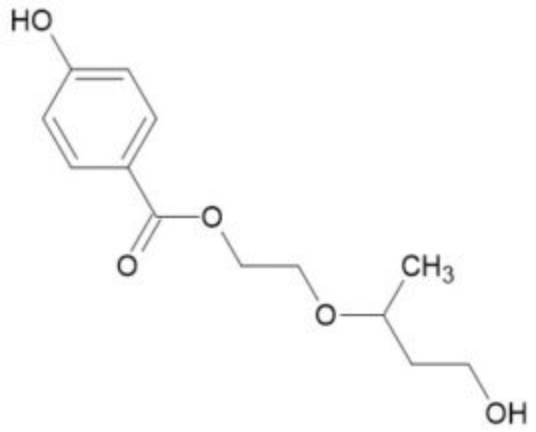


Mid infrared spectrum of CDB culture product collected in September 2015.

This spectrum was recently evaluated in greater detail than at the time of collection. One benefit of this is to offer comparison over a decade of time elapsed on particular sample types. In this case, the nature of the sample is that of a polymer form that was extensively cultured and studied at that time.

With sufficient study, (and it does take study), it is possible to construct at least a skeleton chemical model from a mid infrared spectrum. This has been done. Near infrared is usually of a more general nature, and is even more difficult to refine to any chemical model.

The objective of the modeling process here is to combine the probable functional groups in the minimum structure possible. The purpose is to assess the general properties of the compound as well as reactivity that might be expected from it. There is absolutely no extrapolation of this model to incorporate polymeric activity; it is intentionally minimalist in nature. This effort can be viewed as an ongoing project depending upon any access to mid infrared capability again in the future. Current biological samples will now be required (*e.g., blood, Covid Era influence, reference, etc.)*, to bring matters up to date as well as for comparisons.



Skeletal functional group model of CBD metabolic product
from Sep 2015 culture study

The purpose of this paper is simply to present the status of chemical signature inquiry. There can be infinite discussion and further research that can ensue from the listings above alone. In the interest of brevity, which I have not achieved as usual, that discussion must be reserved for further chapters.

It is sincerely hoped that this information will be accepted as a seed for those discussions in the future by all. It is CI's perspective that this type of information, unfortunately primitive as it may be, will provide some basis for mitigation, interference, or terminal strategies of CDB damage to health and the threat to our species.

Clifford E Carnicom
Feb 02 2024

Born Clifford Bruce Stewart, Jan 19 1953.

Blood, Covid & Cross Domain Bacteria (CDB) : Emerging Relationships

Blood, Covid & Cross Domain Bacteria (CDB) : Emerging Relationships

Clifford E Carnicom
Feb 15 2024

There are some relationships between increased blood coagulation over recent years, the Cross Domain Bacteria (CDB), and the Covid Era (i.e., “vaccine” campaign) that are in the process of consolidation and greater understanding. These relationships center around the chemistry of blood and changes within it that can be observed or measured.

The objective of this paper is to to identify dominant organic chemistry that shows itself to be reactive within blood with respect to two variables:

A. Time.
B. “Vaccine” impacted or not.

Before proceeding, there are a few especially relevant assessments from work over the last couple of decades:

1. The Cross Domain Bacteria (CDB) are the primary entity responsible for the mainstay of the coagulation process.

2. The CDB are a product of synthetic and xenobiotic engineered biology.

3. The origin of CDB nomenclature dates to 2014, and is available here.

4. The origin of the CDB dates back to a minimum of 1999, and is available here.

5. The CDB and correspond biological products are documented to be the origin of serious blood damage, including being a seed for blood coagulation, since the early years of Carnicom Institute (CI) research (1999-2024).

6. The increased rate of, and the more visible impact of blood clotting, appear to correlate with the advent of the Covid Era.

7. Recent blood clot samples examined are composed of CDB synthetic biology and CDB formed polymers/proteins; these clot forms have become more visually evident within the Covid Era.

8. This correlation is the basis for renewed and extended CI research over the last two years.

9. It remains the assessment of CI that the harm from the CDB synthetic biology, along with the increased blood clotting, exists as the most immediate and severe threat to human health and existence.

10. The CDB impact and the “vaccine ” impact appear to be intricately intertwined in their effects upon blood. The history of harmful changes to human biology therefore transpires across decades, and the Covid Era appears to have added another dimension to that level of harm. A more complete understanding of these relationships is unlikely to result from any restricted view or presumption.

11. Reference data from which to form proper analyses and establish proper controls is scarce to non-existent. Changing standards, non-existent public databases, transitory interests, censorship, lack of candor in disclosure, and lack of access to critical data and information by the public create a challenging environment in which to synthesize and comprehend influences upon our lives.

12. Identification and understanding the biochemistry of the CDB and the reactivity of that biochemistry is a crucial stage in the development of mitigation, disruption or termination of this synthetic biology impact upon humans as well as the planet in general. Per the introduction, this carries into the logic of Covid Era impact as well.

13. If you wish to understand more of how we have arrived at the current situation; a few summary presentations are available (research library is ~ 450 papers over ~25 years):

CI Research : 2023 Abstracts (Audio available)
CI : 2022 Abstracts (Audio Available)
CI Research Summary Media Jan 2022 – Dec 2023

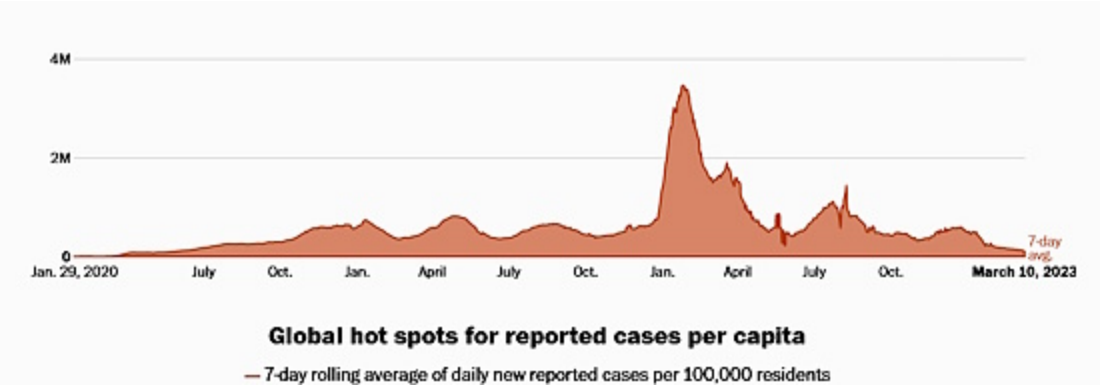
Now to our current topic. The essentials and basics of the organic chemistry (as well as some inorganic) of the CDB are now established or reaffirmed over the decades at an introductory level. These results originate almost entirely from culture analysis over the previous decade, with an emphasis during recent years. Although the nature of the CDB is an epitome of synthetic biology (e.g, synthetic blood production), the rules of chemistry and biology as known fully comply. The required work is not a mystery, but this progress is certainly hindered by a lack of dedication of resources and commitment, as well as obfuscation.

The end process of this stage is an identification of fundamental organic functional groups within CDB biology. The importance of functional group knowledge has been stated previously, but the essence lies in being able to foresee or predict reactivity. Even though

detailed structural chemistry remains unknown, some progress in the reduction of threat can be made with knowledge of reactivity.

Although the data set is extremely limited, it remains an appropriate start. There is available for review:

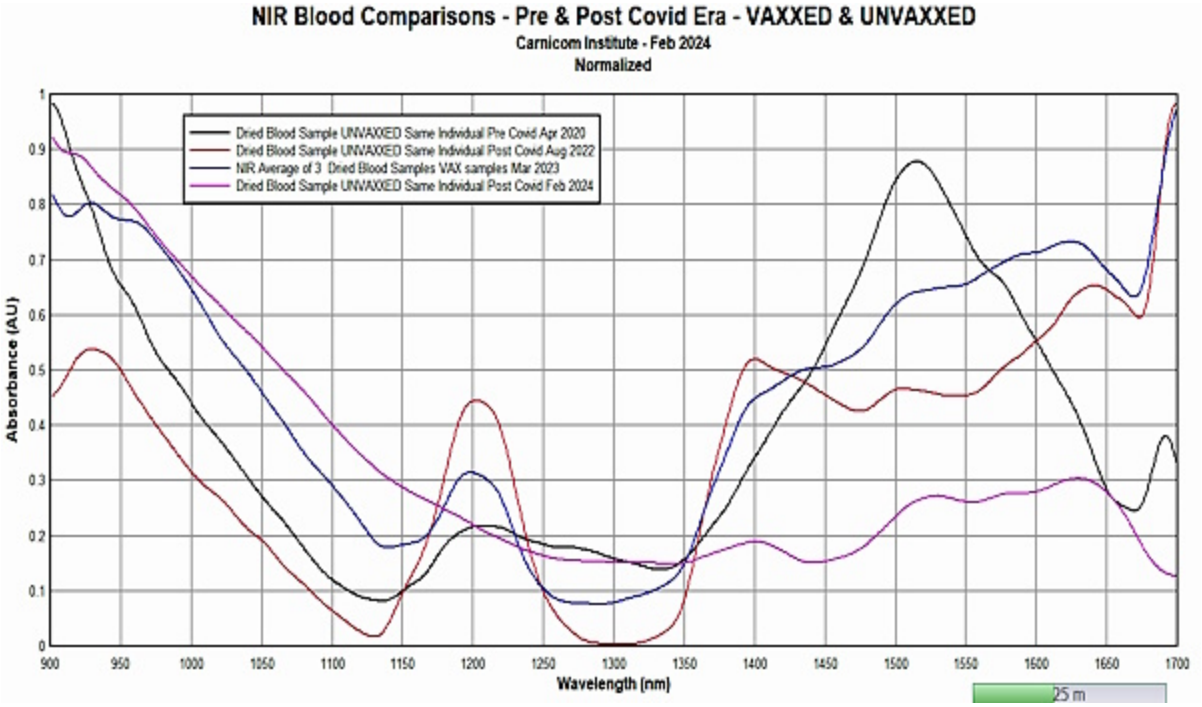
1. A dried blood sample of an unvaxxed individual that dates to April 2020. (onset of Covid Era).
2. A dried blood sample from the same unvaxxed individual collected in Mar 2023. (tail of Covid Era)
3. Three dried blood samples from three vaxxed individuals collected in Mar 2023 (tail of Covid Era)
4. A dried blood sample from the same unvaxxed individual collected in Feb 2024. (post Covid Era)



Covid Era Profile
(source: washingtonpost.com)

The primary method of analysis will be that of Near Infrared Spectroscopy (NIR). It is important to recognize that this NIR analysis incorporates in a combined sense, CDB impacted blood state over decades, the passage of time of the Covid Era, and the"vaccination" state of various individuals. It is required, therefore, to seek out the common denominators with the NIR profiles, and this centers on prominent absorbance at coinciding energy levels. When that is established, preliminary changes in blood with respect to time or "vaccination" can be examined.

Greater variability of absorbance at common location peaks can be viewed as areas of "disturbance" of blood composition or structure.



Comparative NIR plot of blood samples dating from Apr 2020 – Feb 2024

The prominent organic functional groups that show themselves to be variable within the blood with respect to time and the “vaccine” campaign are:

1. Methyl group (1195-1215 nm) (1395-1396 nm)
2. Methylene group (930nm) (1395-1396 nm)
3. Amides/Polyamides (Proteins) (1505-1525 nm)
4. Vinyl groups (1629-1641 nm)

_____

5. (Acid, from CDB culture analysis)
6. Alkene groups likely (~1700 nm)

It will be seen that the functional groups listed here are the same as those that are dominant within the CDB synthetic biology culture analyses.

What is of importance here is that the NIR variation between the samples is an expression of fundamental biochemical changes that are taking place in the blood. These changes incorporate the elements of both time and “vaccine” impact.

_____This will be the end of the “short” version_____
Notice given of details below.
(a new variant: the angel is in the details…)

_____

Let us speak about each of the groups in a little more detail, and their relationship or importance to blood functioning and/or CDB metabolism.

1. Methyl and Methylene groups:

These correspond to the presence of chain structures of hydrocarbons. Fuels, fats and oils are classic examples of hydrocarbon chain structure (aliphatic).

It is already well known and established that the CDB has a significant hydrocarbon component to it. This has been known for many years and the recent CI organic analysis only confirms that without doubt. It will be found that CI isolated and investigated a lipid separation from the CDB quite some time ago.

Next, it is well established that blood, in its native state, also contains hydrocarbon structures of importance. An example of these are the fatty acids in blood. Fatty acids combine the hydrocarbon chains with an acid (functional group).

Now it is also of interest that the CDB is also characterized by the production of a significant acid (functional group).

Both blood and the CDB (along with pH analysis), therefore, have the essential structures required to establish fatty acid interaction (i.e., disruption, interference, or destruction) between the CDB and blood. In essence, we already have a problem at our doorstep regardless of the advent of the Covid Era. And all signs over many years say that we do indeed have such a problem, PRIOR to the Covid Era.

What we are looking for in this graph, therefore, is whether the “vaxxed” group shows any distinction from the unvaxxed sample with respect to hydrocarbon chain – fatty acid change over the time period elapsed.

And the answer is yes (due to considerable variation in NIR absorbance at strategic wavelengths).

The interpretation of this information is that CDB synthetic biology existence presents an inherent problem fatty acid disturbance in the blood from its origin decades ago, and that the Covid Era adds another layer of disturbance upon that pre-existing harm.

3 and 4. Amides/Polyamides (proteins) and Vinyl Groups.

We reach a similar conclusion by the same process for these functional groups as well. The blood protein and vinyl alterations *already in place* by nature of the CDB existence, are further altered by the “vaccination” impact layer added upon it.

There is another comment that can be made about an additional functional group operating at the end of the range of this particular NIR instrument. This is the activity occurring near 1700 nm. This region corresponds strongly to what are known as the alkenes. The alkenes are double bonds with carbon and double bonds in general are more reactive than single bonds.

What is significant about this region is that fatty acids also commonly contain alkenes within them. Fatty acids come in two forms, saturated and unsaturated. Saturated refers to all carbon bonds being single and unsaturated means that some of the bonds are double (alkene). The body needs both types of fatty acid in the blood and furthermore the ratio or balance between the two forms needs to be in order. The literature generally refers to preference of higher unsaturated fatty acids relative to saturated fatty acids.

Any disturbance in fatty acids within the blood is a significant factor in the clotting of blood due to the structural nature of the fatty acids. This is another example of the type of information that can be gleaned from organic chemistry and functional group determination and analysis.

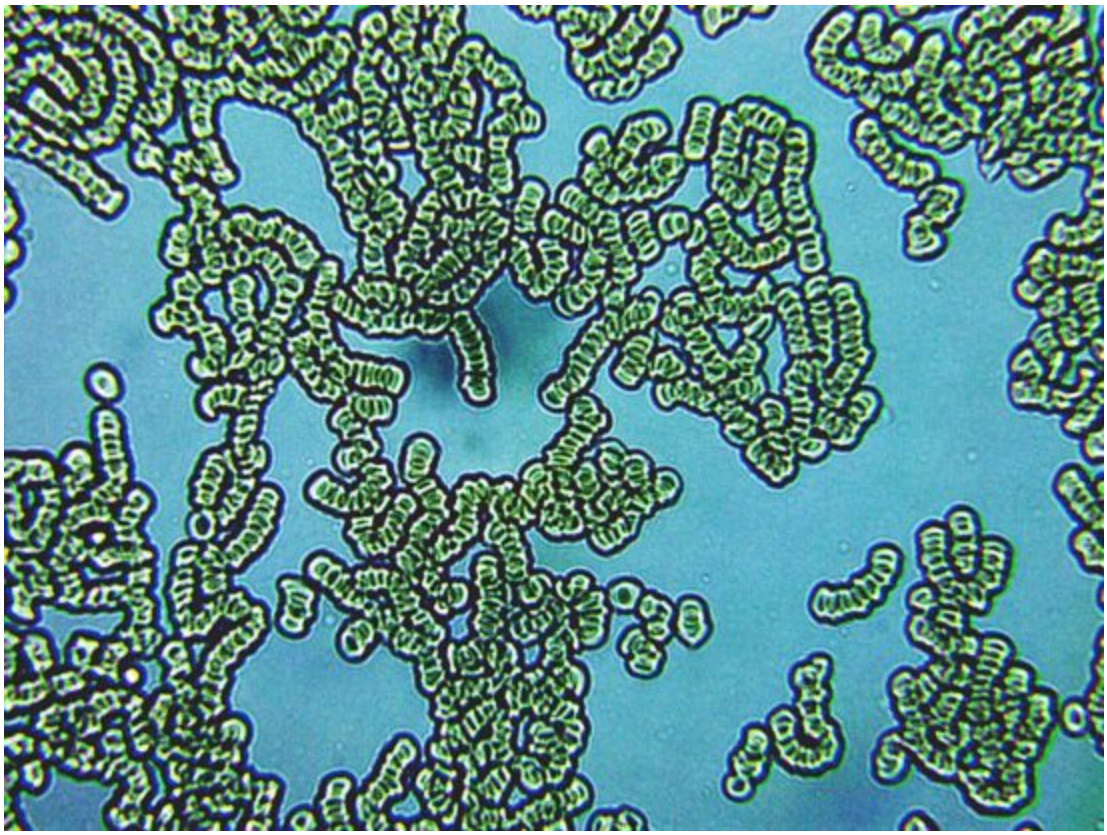
What this leads to are the following conclusions:

1. The existence of the CDB, as documented now for more than two decades, shows disturbance within the fatty acid constitution of blood. This is the case from the existence of the CDB synthetic biology within humans, and this conclusion has no dependence upon the influence of the Covid Era. It is, therefore, considered to be the origin of the problem identified.

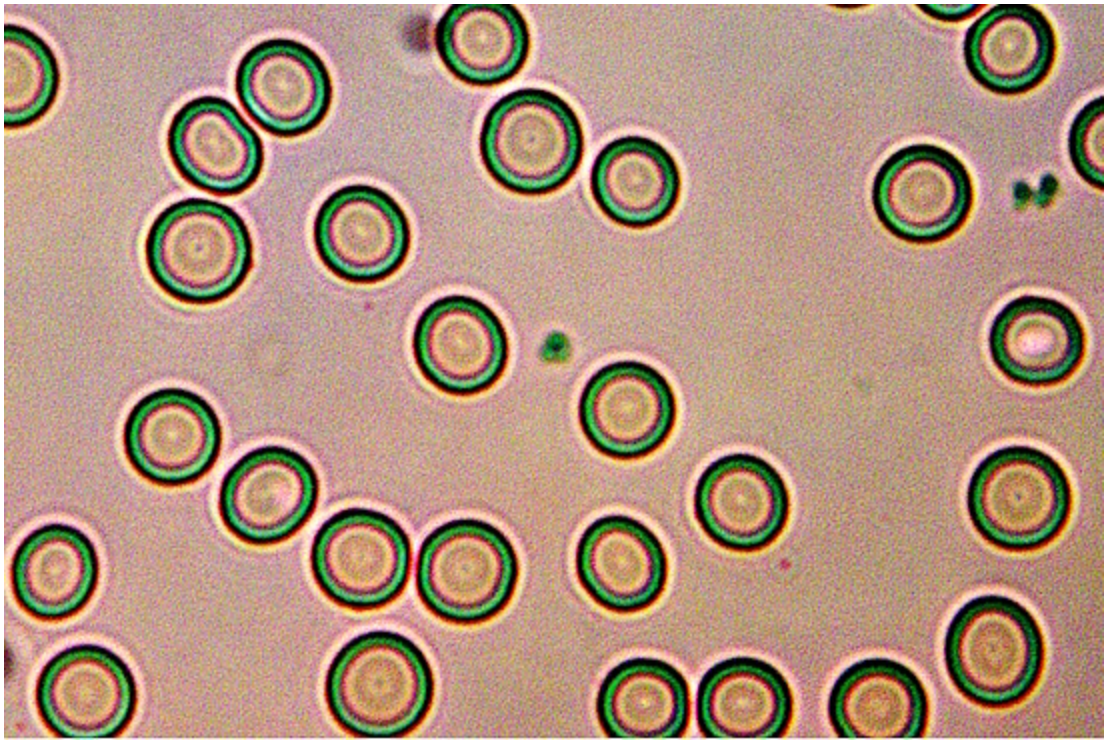
2. The advent of the Covid Era adds an additional layer of disturbance and harm to the problem. Further change, further harm in combination with long term synthetic biology existence, and further harm and threat to human biology.

CI first reported on anomalous blood clotting issues in the fall of 2022. The image below is one example from this extensive report on clotting and electromagnetic issues of the blood. Please see the following paper to become aware of the significant issues raised within that paper series:

Blood Alterations : A Six Part Series



A representative blood photograph from the reference paper of Aug 2022:
Magnification 1400 : Field microscope
Blood Alterations : A Six Part Series



A current blood sample from Feb 2024. Same individual as in preceding photograph.
CI applied research is a factor in this image. Magnification approx 3200x.

Please also be aware that another of the CI hypotheses that may well affect the CDB-Covid Era relationship is protein electrical charge imbalance within the blood. This topic is introduced in the previous paper:

Human Blood vs. Synthetic Blood : The Path to the Blood Clot

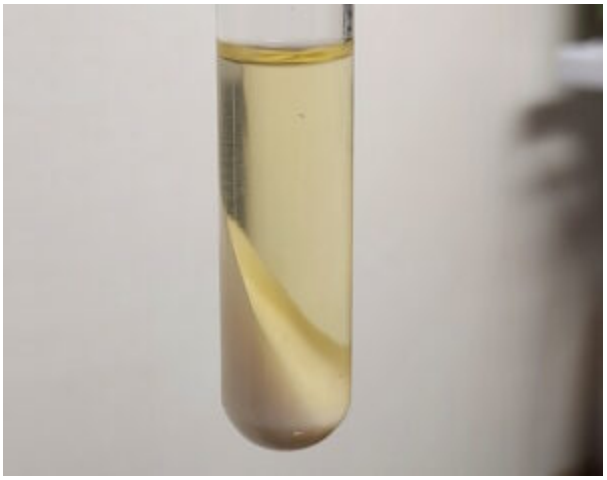
Clifford E Carnicom
Feb 15 2024

Born Clifford Bruce Stewart
Jan 19 1953

A Cross Domain Bacteria (CDB) Production: (Otherwise Known as Hydrogel)

A Cross Domain Bacteria (CDB) Production:
(Otherwise Known as Hydrogel)

Clifford E Carnicom
Feb 22 2024



CDB Polymer Produced via Phase Change Reaction
(liquid to solid)

A single compound produced by the Cross Domain Bacteria (CDB), a xenobiotic microbe under study by Carnicom Institute (CI) for the last several decades (nomenclature origin, 2014), has been assessed. There are dozens to scores of various compounds and culture forms that are known to exist from this synthetic biology that has been disclosed by CI; this particular one is of special contemporary importance. Bear in mind that this compound originates solely from the CDB metabolism and culture; no other agents (e.g., "*vaccine"*) are required to produce it. The fact that there are interactions between the CDB and purported "vaccines" is not at all diminished; it is, in fact, expected and already documented to some degree. The imposition of synthetic biology upon humans has a history much longer than many of us realize.

The proposed assessment of the identified compound from culture is as follows:

“A genetically engineered bacteria(i.e., synthetic biology in this case)-derived polymer containing polyvinyl alcohol (PVA), polylactic acid (PLA), and calcium ions. The polymer backbone consists of vinyl functional groups and includes alcohol, vinyl ester, and amide/protein functional groups.”

A four word version is plastic, protein, and blood clots. The material, is in essence, a hydrogel.

As to whether such a compound could have numerous biomedical applications (aka synthetic biology as applied to human biology), the answer is a resounding yes. These applications revolve around the development and use of hydrogels and related materials in human tissue and/or bone integration.

End of Short Version

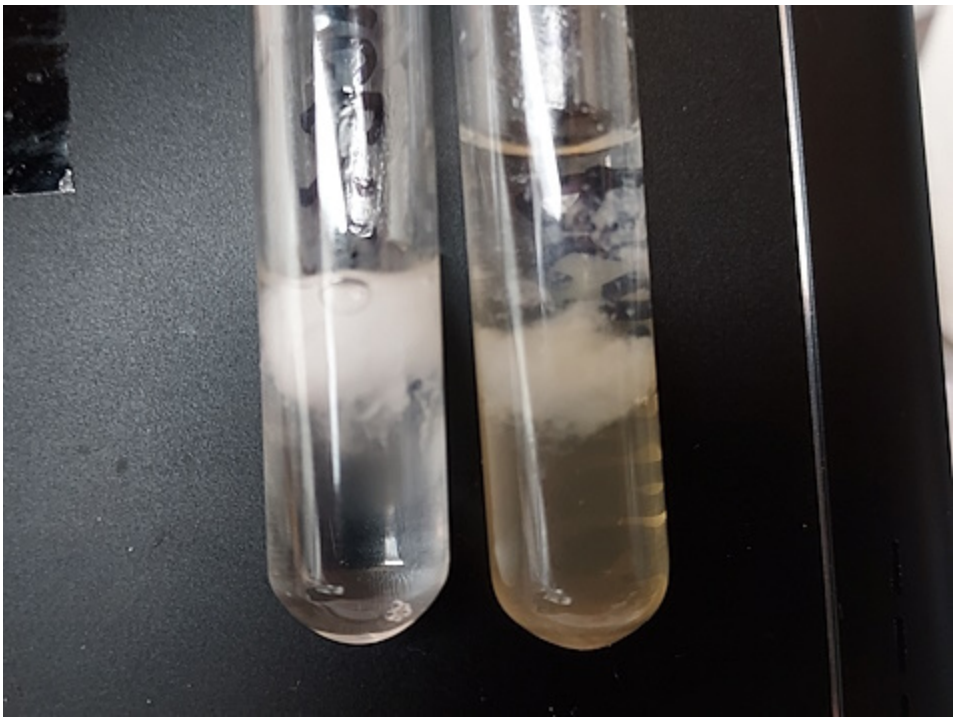
The assessment derives from the following testing methods:

1. Measured or observed properties of a particular and specific material that are produced solely by the CDB in culture form.
2. Ultraviolet Spectroscopy (UV)
3. Near Infrared Spectroscopy (NIR)
4. Qualitative Chemistry
5. Conductivity
6. pH
7. Thermodynamics
8. Solubility
9. Reasonably sophisticated chemometric analysis that attempts to synthesize the chemical nature of the material in a combined sense, dependent upon measured properties.
10. Spectroscopy and chemical reference sources.

The measured or observed properties of the substance are:

1. Smokes at 300 deg C
2. Charred at 450 deg C
3. White to off white color.
4. Produces a phase change from liquid to solid when alcohol or acetone is added to solution
5. pH of solution prior to alcohol or acetone addition is approximately 3.5
6. Contains polymer forming functional groups
7. UV absorption at 205 nm and 265 nm.
8. Calcium ions are present
9. Pliable

10. Water soluble
11. Insoluble in acetone
12. Insoluble in alcohol
13. Slightly soluble in sulfuric acid
14. Vinyl functional groups
15. Not electrically conductive
16. Forms a tan colored precipitate when NaOH-KOH is added to the compound dissolved in water
17. NIR indicates following functional groups are present: alcohol, vinyloxy, amide/protein/polyamide, alkene
18. Originates solely from CDB culture metabolism.



Phase Change Comparison Control Test
Polyvinyl Alcohol (left) vs. CDB Culture (right)

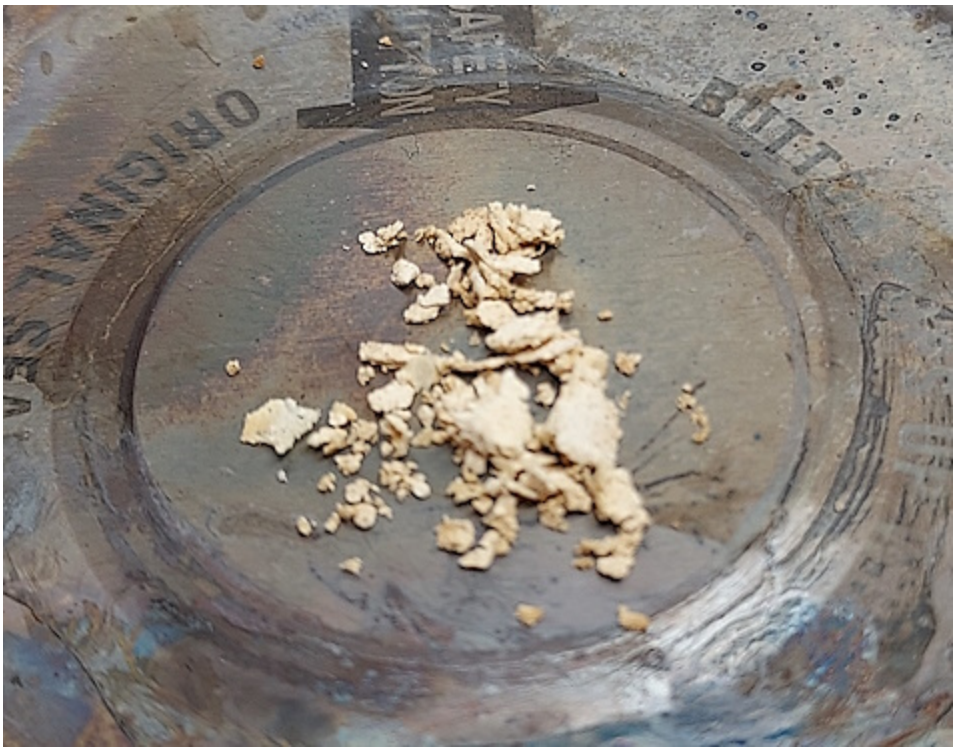
The photograph above shows a control comparison phase change test between polyvinyl alcohol (pure control solution) and a primary solution from the CDB culture. Polyvinyl alcohol is a dominant component of many hydrogels. Hydrogels, in general, are highly biocompatible materials that integrate well within human tissue because of their water absorption and stability characteristics combined.

Polar (electrical charge separation) solutions such as acetone and alcohol can induce a phase change in polyvinyl alcohol, changing a liquid into a solid. This is what is occurring on the left side of the photograph. It shows a control sample of pure polyvinyl alcohol with acetone introduced. The change has an appearance similar to that of a precipitate, but in this case it is not a precipitate; it is a phase change from liquid to solid form.

The tube on the right produces a similar reaction. This tube, however, contains a primary product of the CDB culture, a water soluble form discussed extensively in previous papers. This is one of the first indications that the CDB produces a material akin to polyvinyl alcohols. Extensive testing reported above confirms this similarity, and the assessed compound fully qualifies in the hydrogel material class.

Polyvinyl alcohol or related compounds were some of the early infrared findings within CI research years ago. This work establishes the existence of it or related compounds at a much higher level of certainty. The inclusion of calcium within the isolated copolymer raises numerous questions and problems regarding calcium disruption or misappropriation in human health. Joint and dental issues have long been a part of CI health research history (e.g., 2016).

Solid form of CDB Polymer after Drying (material is pliable)



CDB Polymer Thermodynamic Property Testing

The last topic to discuss here will be the potential applications of a compound of this nature. A couple of questions are in order:

1. Is this material suitable for hydrogel applications?

2 Is it suitable for biomedical applications, and if so, what type?

To the first question, the answer is yes. Polyvinyl alcohol (PVA) is a well established hydrogel material that is known for biocompatibilty, water solubility, and its ability form a gel material. Polylactic acid (PLA), a thermoplastic, can also be modified to serve hydrogel applications. Thermoplastics can be reshaped to assume varying form.

The linking of polymers takes place by a process known as cross-linking. Calcium ions can crosslink both PVA and PLA chains to form a copolymer, and this stabilizes the hydrogel network and makes it more “tunable”. The presence of alcohol, vinyl ester, and amide/protein functional groups further enhances the cross-linking capability.

As to whether the material is suitable for biomedical use (or, in this case, aka synthetic biology use), a few of the applications for this hydrogel form include that it :

1. Can be used for tissue engineering, support of cell growth, tissue replacement, and regeneration. Can be used for cartilage and bone repair and regeneration.

2. Can deliver and encapsulate “drugs” in a controlled and target manner.

3. Can be used as a biosensor that responds to specific signals, allowing for monitoring or telemetry use.

Commercial products with similar chemical properties and nature exist.

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Note: Extensive distribution or disclosure of the above information is unlikely.

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Clifford E Carnicom
Feb 22, 2024

Born Clifford Bruce Stewart, Jan 19 1953.

Pandora’s Polymer : Synthetic Blood and the Cross Domain Bacteria (CDB)

Pandora’s Polymer : Synthetic Blood and the Cross Domain Bacteria (CDB)

Clifford E Carnicom
Feb 29 2024

A second polymer form that originates from the Cross Domain Bacteria (CDB) has been isolated and assessed. The CDB is a xenobiotic, genetically engineered synthetic biology that represents a threat to human existence. It has been under study for several decades and is known to degrade human health in a myriad of ways, with foremost visible damage to the blood.

The research at Carnicom Institute (CI) over the past couple of years is directed toward an increased understanding of the relationship between the CDB and the interaction from the “*Covid Era*” that has additionally been imposed. This research establishes that this synthetic biology is the primary source of blood damage, including that of blood coagulation. There is strong evidence that the purported “vaccines” from the *Covid Era* have added another complex layer of harm that increases the rate of and visibility of blood clots and coagulation.

Blood, biology, chemistry and polymer research at CI are at the core of understanding this relationship. A series of research papers by CI over this same period discloses many of the mechanisms of harm that are now known to exist. Numerous other researchers are now involved because of the assaults from the *Covid Era*, but it is hoped that an immediate awareness of the broader history of the decades old grand assault from synthetic biology will unfold. For your sake, and our sake, it needs to. No time for debates as to Who’s On First at this point…

Here is the assessment of this polymer that can be provided at this time:

“*The material remains consistent with a genetically engineered, bacteria produced biopolymer likely composed primarily of proteins with potential incorporation of carbohydrates and lipids. The confirmed presence of hemoglobin and the culture solution properties suggest a genetically engineered product designed to mimic specific functionalities of blood components*.”

Once again, keep in mind that this culture product derives solely from the existence of the CDB (nomenclature, 2014). No purported “vaccine” is introduced or required to produce this material.

The existence of synthetic blood, xenobiotic filaments, vinyl polymer functional groups, and proteins within this same culture product will be confronted at some point in comprehending the impact of the CDB upon human biology.

The makings of blood clots, in more than one way, are fully in place from the existence of the CDB alone. As mentioned, the Covid Era appears to add another significant layer of complexity to the blood clotting issue, but original sources for the problems, now amplified, will need to be acknowledged.

And yes, this polymer form also has “biomedical” (in this case, aka known as synthetic biology) applications.

Second polymer isolation from CDB culture.
All evidence points to that of a biological polymer,
i.e., composed in part of the biomolecules of life
(protein, carbohydrates, lipid, nucleic acids).
Magnifcation 2x.

One distinction that seems to exist between the two polymers recently isolated is that the previous form appears to act as a significant hydrogel. The dominant characteristics of this polymer seem to center on biological interaction.

Additional image of biopolymer isolated from the CDB.
Magnification 2x.

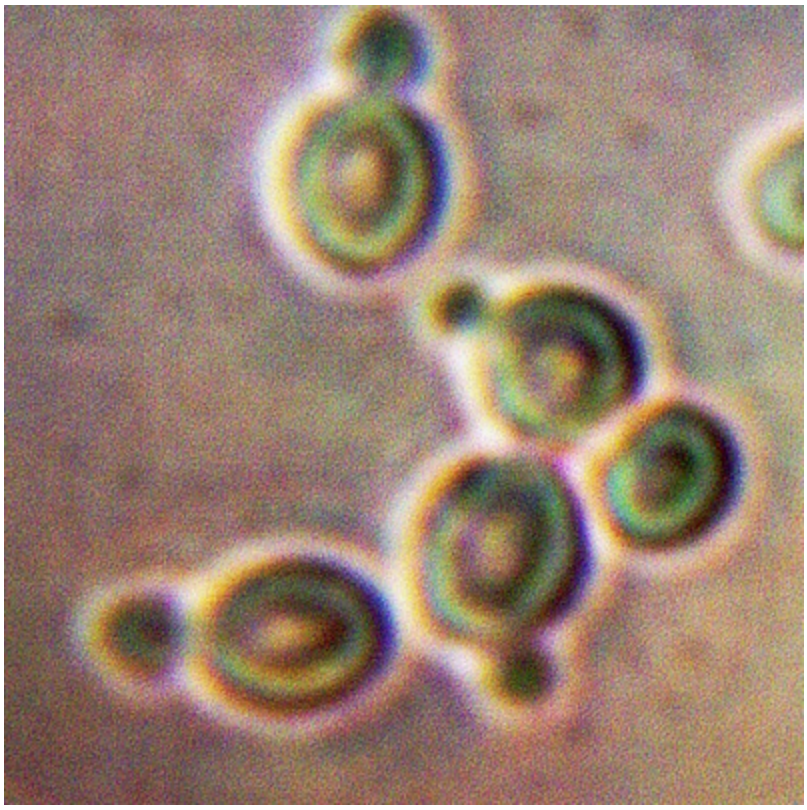


Image of synthetic erythrocytes
contained within CDB isolated biopolymer.
Multiple tests for hemoglobin present remain positive.
Original magnification 8000x.

_____

End of Short Version

In like fashion to the previous polymer isolated, the following additional information is provided:

The assessment derives from the following testing methods:

1. Measured or observed properties of a particular and specific material that are produced solely by the CDB in culture form.
2. Ultraviolet Spectroscopy (UV)
3. Near Infrared Spectroscopy (NIR)
4. Qualitative Chemistry
5. Conductivity
6. pH
7. Thermodynamics
8. Solubility

9. Reasonably sophisticated chemometric analysis that attempts to synthesize the chemical nature of the material in a combined sense, dependent upon measured properties.
10. Spectroscopy and chemical reference sources.

The measured or observed properties of the substance are:

1. Microscopic view at 3200-8000x reveals significant presence of cells that match erythrocyte geometry and biconcave nature; size often reduced.
2. Thermodynamic properties:
a) Browns at 200 deg C
b) Charred at 410
c) Combustion point, if it exists, is greater than 510 deg C
d) Releases detectable volatile organic compounds during heating
3. Near infrared absorbance indicates probable functional groups present:
a) Methyl
b) Amide/protein
c) Vinyl
d) Alkyl alcohol.
4. Solubility test information:
a) Slightly soluble in water
b) Slightly soluble in Acetone
c) Insoluble in Mineral Oil
d) Moderately soluble in approx 1M sulfuric acid
e) Insoluble in NaOH-KOH
5. Color is pure white
6. It is created by genetically engineered bacteria
8. Ultraviolet absorbance at 258 nanometers (nm) and at less than 198 nm.
9. Soft Plastic polymer appearance and texture
10. The material has been confirmed to contain hemoglobin.
11. pH of the generating culture is 3.9
12. Electrical conductivity of the generating culture is 10.6 millisiemens (mS)

Clifford E Carnicom
Feb 29 2024

Born Clifford Bruce Stewart, Jan 19 1953

Round 3, Polymer 3: Iron to the Fore

Round 3, Polymer 3: Iron to the Fore

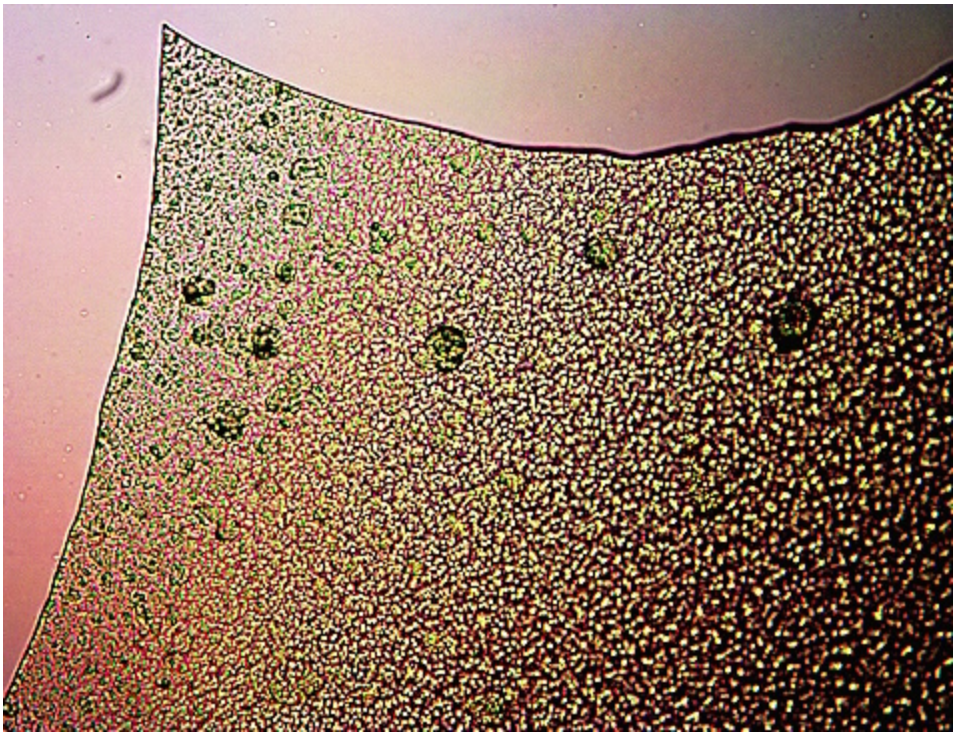
Clifford E Carnicom
Mar 11 2024

A third polymer form has been isolated from the Cross Domain Bacteria (CDB) (nomenclature, 2014) culture processes. Please see recent research papers (1,2) to be aware of the precedent for this work. This compound is assessed as an organic iron complex (organometallic) with a polymeric structure. Protein structures are known to be developing in conjunction with the polymer layer, and as with prior polymers isolated, the material is regarded as unusual and distinct.

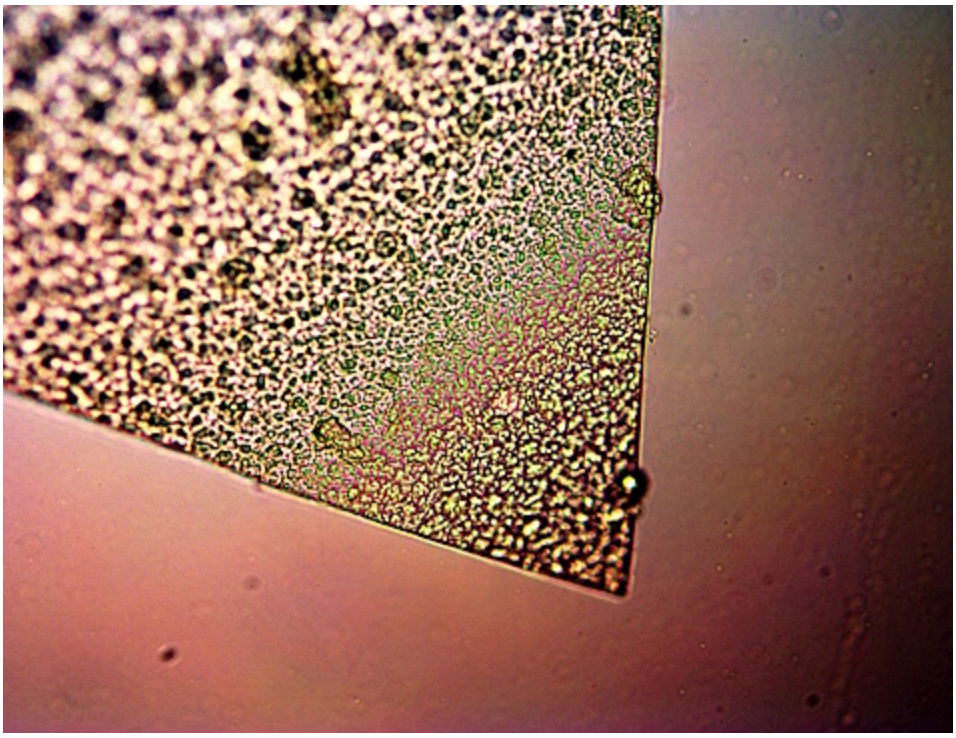
Third polymer form isolated from the CDB culture.
Organic, iron, and polymer characteristics dominate the composition.
Magnification 1x.

Biomedical applications (in this case, a.k.a. synthetic biology applications) are essentially guaranteed from the known origin and nature of this compound. Significant iron disruption mechanisms have been identified in the course of CI research, and this compound adds to

that list. There are, as well, other iron compounds identified in recent work that can be presumed to trigger immune responses and significantly degrade blood oxygen carrying capacity.



Assessed organometallic (iron) polymer from CDB culture.
Material has a film/gelatin like appearance, and separates into sheet form on the slide with distinctive sharp boundaries.
Magnification 3200x.



Assessed organometallic (iron) polymer from CDB culture.
Acute angle and sharp distinct boundaries are
common in the separation process.
Reasonably uniform interior structure.
Magnification 3200x.

_____
End of Short Version

The methods of analysis include:

1. Measured or observed properties of a particular and specific material that are produced solely by the CDB in culture form.
2. Ultraviolet Spectroscopy (UV)
3. Near Infrared Spectroscopy (NIR)
4. Qualitative Chemistry
5. Conductivity
6. pH
7. Thermodynamics
8. Solubility
9. Spectroscopy and chemical reference sources.
10. Microscopic analysis
11. Reasonably sophisticated chemometric analysis that attempts to synthesize the chemical nature of the material in a combined sense, dependent upon measured properties.

The measured or observed properties of the substance are:

1. Insoluble in H2O.
2. Insoluble in H2SO4 approx 1M.
3. Significant reaction in NaOH-KOH. Remains insoluble but immediately oxidizes to a rich brown color. Essentially certain to be an iron complex of some sort.
4. Protein or polymer suspected.
5. Originates from genetically engineered bacteria that is known to utilize ferrous iron and oxidize it to ferric form.
6. Material forms on surface solution and is presumed to be less dense than water.
7. Material has a gelatin appearance.
8. Under microscope at 3200x, material breaks into thin layer of material with smooth boundaries and acute angles of separation. Might be similar to expected behavior of gelatin or acetate nature.
9. Fully soluble and transparent in strong H2SO4, estimated 5M.
10. Well defined UV absorbance at 302 nanometers (nm) and at 226 nm.
11. A local minimum of UV absorbance occurs at approximately 273 nm.
12. Near Infrared absorbance at less than or equal to 900 nm.
13. Near Infrared absorbance at approximately 1412 nm.
14. Near Infrared absorbance at approximately 1526 nm.
15. Near Infrared absorbance at approximately 1665 and 1700 nm.
16. There is a local minimum of near infrared absorbance at approximately 1211 nm.
17. Material browns at 315 deg C
18. Material charred at 350 deg C
19. The blackened material has flakes that are reflecting light, as if they are crystallized , at approximately 460 deg C.
20. The combustion point, if it exists, is greater than 570 deg C.
21. No smoke is visible during the heating process.
22. The gelatin appearing surface layer formed after addition of ferrous iron to a preexisting culture state.
23. The pH of the culture which produces this material is 3.7.
24. The electrical conductivity of the culture which produces this material is approximately 8.6 millisiemens (mS).
25. The material dries rapidly under mild heat and easily reduces to a powder form.
26. Amide and/or Amine groups are probable to exist due to near infrared absorption measurements.

A future paper will discuss the synthesis of impact from the three CDB polymer forms that are now isolated.

Clifford E Carnicom
Mar 11 2024

born Clifford Bruce Stewart, Jan 19, 1953

Four Mechanisms and a Future for Mitigation (or Termination)

Four Mechanisms and a Future for Mitigation (or Termination)

Clifford E Carnicom
Mar 14 2024

Carnicom Institute (CI) has devoted a significant effort during recent seasons to seek an increased understanding of the impact of ubiquitous synthetic biology upon the human condition. This effort was motivated by certain further changes in blood, relative to that of the previous two decades, apparent by the fall of 2022.

At the heart of this xenobiotic, genetically engineered synthetic biology is the existence of the Cross Domain Bacteria (nomenclature, 2014). Those with minor familiarity of CI research will be familiar with the basis for that claim. It will not be justified further here.

It has been acknowledged within papers over this same period that the influence of the "*Covid Era*" is inexorably intertwined with this synthetic biology harm upon humans. It has also been stated, however, that the *Covid Era* has added an inadequately understood dimension to this same synthetic biology, but it is not the original or primary source of the major problems afoot. This position may not be popular with some influenced by current themes, but the scientific history and study justify it. There is a bigger problem that has preceded it for more than 25 years and it is that of synthetic biology imposed upon the human race without consent or knowledge. We now see the impact of combined influence and threat, especially visible within the blood of humans. This harm extends beyond the blood, and affects the human organism as a whole.

It is now known, as a result of this effort, that at least four major mechanisms of damage to health are inherent within this same synthetic biology, namely the CDB. There are others as well but this set does lay a proper foundation for our future. The Covid Era is regarded by CI as an additional layer of egregious compounding harm that to date is inadequately understood and disclosed.

These four mechanisms, each inherent in the CDB synthetic biology alone (i.e, no "vaccine" required) that continue to take a profound toll upon human health and existence are:

1. Foreign protein creation in the human body.

2. Oxidation damage, especially involving iron and the blood.

3. Free radical damage, known to cause numerous harmful chain reactions to human health.

4. The development of a series of foreign polymers within the human body.

(Most of us intuitively know that plastic is bad news)

The visible blood clotting garnering special attention over recent years, apparently of increase during the Covid Era, is one major fallout from the above that is obvious enough to catch our attention. The synthetic biology has brooded patiently within our general ignorance for a long time now, and the mark has been made.

The good news, as we all would like and need some, is that the above knowledge actually lays the foundation for NUMEROUS, and I do mean numerous, mitigating strategies for reversing the tide of threat to the human race. In addition, by CI criteria, such strategies must be affordable and accessible to the general population, and generally based upon nutrition principles. No fancy or expensive drugs or injections from this side of the fence. They are to be based upon scientific knowledge gained from direct study of the problems at hand.

I think that you would agree that it is worth the effort. As I am somewhat reserved by nature, I would not wish to overstate our prospects, but given human potential, it is not foolish to work on the idea of termination vs. mitigation. But let us not get ahead of ourselves, we do not deserve it yet.

Maybe it is time to call the

End of the Short Version

here.

But now some ground rules need to be understood. CI is not a practicing health based organization; it is an independent scientific research organization. Here is one way to ease the pain, since the statement has been on the CI site for these same decades:

“The Carnicom Institute is a non-profit health and environmental educational and research organization serving the public welfare. We do not advocate any proprietary products, protocols, or therapies. Our purpose is to provide information and education to the public.

The Institute is not a clinic and does not perform any medical diagnosis, medical treatment, or prescription of therapy. All studies conducted by the Institute are for research purposes only."

In addition, here is another response post from yours truly on a recent research paper to add to the rules:

Clifford, with respect to the last photograph, about which you write: "A current blood sample from Feb 2024. Same individual as in preceding photograph. CI applied research is a factor in this image. Magnification approx. 3200x.", there is no Rouleaux any longer. The rbc's look functional and I don't see any CDB's in them (at this magnification, they should be visible if present, one would think). What remediation if any explains the improvement? Thanks for your attention.

John

Carnicom Institute response:
Hi John,

Unfortunately, I cannot give a simple single answer to this question at this time. There are prospects of a more complex answer that develops through this spring. I can say that the body of research in its entirety over the years is relevant, with special emphasis on work over this last year or two. I have goals and plans in place to make all scientific and evidence based information and strategies available to the public as it is fully developed and can be justified from a scientific perspective. CI never has, nor will it ever recommend specific protocols, but strategies based upon study are embedded across the entire history. I realize it takes a lot of work to uncover that information; I have hopes and plans that some summaries will unfold over the spring.

The professional health, nutritional and scientific communities will need to become involved in the completed studies and replicate the work. These same professions are responsible for providing the protocols to the public. Such protocols and strategies can most certainly be developed, and CI research may provide some of these leads. Public health welfare has always been a priority within CI and it remains so. I know the answer is not as desired, but it never has been simple or sweet. With best regards, from Clifford

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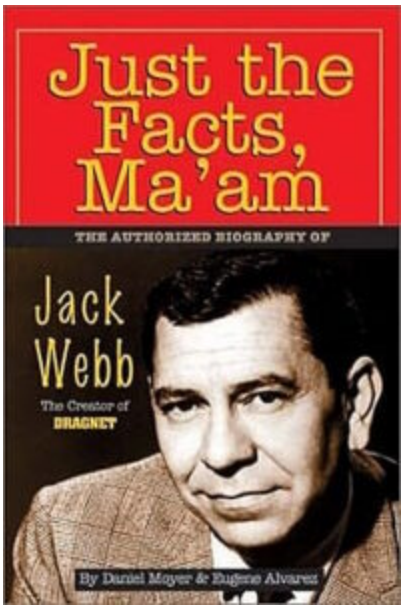
I am attempting to explain here that there is good reason to be optimistic. But CI and we must be responsible together about how we go about things. One of the reasons for the existence of CI is to establish scientific knowledge on the hell that has broken loose upon all

of us. The beginning of that sequence is told by Jack Webb in Dragnet days:



Another reason for CI's existence is indeed to develop and establish strategies subject to the criteria above. That actually has always been done historically and continues to be in place. But the starting point always depends upon decent information. In the case of CI, the vehicle of operation is a modest lab and very serious study, especially with culture work.

It will be of eventual interest that work done two decades ago is very much coming into vogue again. Certain fundamental principles are in place with written work, and they are not going to be changed. The information, however, will be augmented with more recent study, especially with regard to polymerization.

Right now the name of the game continues to be to collect the best information possible within the available time to do so. Mitigation strategies are inevitable in due course if the information is managed responsibly. All mitigation strategies carry risk with them, and CI is not in the health practice and protocol business for good reason. But CI is in the research and strategy business, and that purpose has been, is, and will be served to the highest level possible.

All in due order, and in truth the work has still only begun.

P.S. In the meantime, if you happen to be in the attorney or lawyer profession and you wish to assist and facilitate the responsible transfer of scientific information and strategy in the public interest with no monetary motive, please send an email to info@carnicominstitute.org with CIDP in the subject line. Thank you for any interest.

Many thanks,

Clifford E Carnicom
Mar 14 2024

born Clifford Bruce Stewart, Jan 19 1953.

The Polymerization (Clotting) of Blood : A Model

The Polymerization (Clotting) of Blood : A Model

Clifford E Carnicom
Apr 01 2024

The Polymerization (Clotting) of Blood : A Model

The video in this paper represents a viable model to demonstrate and detail the polymerization process that is taking place in human blood as a consequence of the Cross Domain Bacteria (CDB) (nomenclature, 2014). The CDB is a genetically engineered, xenobiotic, synthetic life form that is at the crux of human health demise and threat over the past several decades. If you are in doubt as to the source and origin of the polymerization discussed here, you have a pardon to skip to the end of the video.

Although blood clotting appears to be visibly and significantly increased as a consequence of the "*Covid Era*", the purported "vaccines" are not the origin or primary source of damage to the blood. The damage to the blood has a known and documented history of more than 25 years, and the processes described in this video have been active over this same time period. What is now different in the history of this research is the current ability to demonstrate the polymerization process via culture. The culture work has no direct association with "vaccine" materials, it is dependent solely upon the existence of the CDB. The CDB have the known ability to produce a series of polymers within the body, not one.

There are additional polymerization mechanisms that exist and that are not discussed here, especially the vulnerability of the double carbon bond to change to single bonds. Lots more study ahead, I am afraid.

All signs and indications are that the Covid Era has added an additional layer of egregious harm to human health that is more difficult to conceal. It is reasonable to presume that these factors include additional protein/genetic interactions between between the CDB and the various "vaccines". It may involve polymerization as well, but we already have our hands full with a series of polymers produced by the CDB alone, along with known severe damage to

blood. The constitution of the purported “vaccines” remains improperly and inadequately disclosed, and this is likely to remain so. It is best to work with the origin of a problem first, and then tackle the additional layers as further discovery and disclosure provide.

A critical issue to pay attention to here is the formation and transfer of free radicals within the body. They are absolutely at the crux of the polymerization chain reactions which take place with them. It is worthwhile to gain some familiarity with the nature of this problem, and hopefully it is understood that the model is not theoretical at this point.

Significant attention was paid to Fenton’s Reaction (briefly described in the video) in years past by Carnicom Institute. It was known to likely be important in the microbial (albeit, synthetic) metabolism as far back as 2010. A quick review of the research history will find it mentioned within the following papers, for example:

1. Morgellons : A Discovery and a Proposal (Feb 2010)
2. Morgellons Growth Inhibition Confirmed (Mar 2010)
3. A New Form : Frequency Induced Disease (Mar 2011)
[It might be time to establish a renewed interest in this paper-CEC]
4. Morgellons : A Thesis (Oct 2011)
5. Morgellons : The Breaking of Bonds and the Reduction of Iron (Nov 2012)
6. Cross-Domain Bacteria Isolation (May 2014)

I am aware that the term “Morgellons” was managed quite well with the tin foil hat container (as was “geoengineering”), and that you may deem it not worthy of your study. This is at your own peril. But you can also be assured that it was another of many successfully managed psychological operations. Many destroyed lives will let us know this (many now deceased) if we have the courage to seek out that history. The perspective of many of us has been funneled into a MTV video (remember those?) level understanding of affairs. I am not out to correct that milieu at this point, but the science will reign supreme if you care to know and understand it.

There are two things different now with regard to the impact of free radicals from that generation of earlier papers. At the time, two things were not known:

1. The existence of hydrogen peroxide production within cultures under study.
2. The ability to reliably repeat the formation of a series of CBD polymers from culture.

The confirmation of both is now beyond dispute, and they have a major bearing on the matter. The theoretical framework of Fenton’s Reaction that produces a hydroxyl free radical in the presence of ferrous iron (the type within human blood) and hydrogen peroxide and that

oxidizes your blood iron has been transformed into a live event in front of your face. The production of a series of polymers by the CDB alone (no “vaccine” required) is extensively proven and documented. Both of these factors are a game changer at this point.

And why is this important? The hydroxyl radical, and free radicals in general, now occupy front and center stage (there are many other strategies as well) on the road to mitigation (please don’t forget the *termination* prospect- nothing wrong with setting your sights higher) of the CDB-Covid Era complex and tragedy that we find ourselves in.

Time to get to work, folks..

but then, that has always been the case, hasn’t it?…

Sincerely,

Clifford E Carncom
Apr 01 2024

born Clifford Bruce Stewart, Jan 19 1953.

IN PROGRESS
TO BE CONTINUED