

KEY CONCEPTS IN GERMAN BIOLOGICAL MEDICINE & DETOXIFICATION



German biological medicine is a system that is every bit as complex as Chinese medicine or nutritional medicine. Here, I have selected a foundational concept that is fairly simple to understand, and that will help you have a better appreciation for your ***Cellular Reprogramming Therapy***.

The primary foundational concept is the physiological function of the extracellular matrix as the major organ of metabolic and immunological regulation.

THE EXTRACELLULAR MATRIX

Composition of the Extracellular Matrix

The extracellular matrix is the material that surrounds every cell of the body. It is composed mainly of collagen chains linked by glucosaminoglycans (GAGs). The main 4 GAGs are *heparin sulfate*, *chondroitin sulfate*, *keratin sulfate* and *hyaluronic acid*. These GAGs are large, sponge-like hydrophilic molecules consisting of repeated sugar chains. Each has essential functions that are contributed to the overall function of the matrix

FUNCTIONS OF THE EXTRACELLULAR MATRIX

Transport

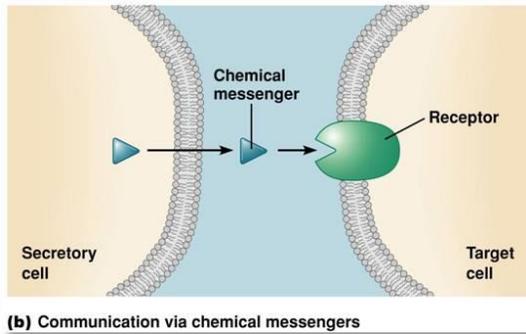
This sponge-like, viscous matrix acts as a transport medium for materials to move to and from cells. The substances transported by the matrix include electrolytes, metabolites, dissolved gasses, trace elements, vitamins, hormones, growth factors, enzymes, carbohydrates, fats and proteins. Everything moving in or out of the cell has to pass through the matrix.

Storage

The matrix also serves as a storage medium for all of the materials that are transported by the matrix. Of special importance is the storage of growth factors and *toxins*. **The ability of the matrix to store toxins acts as a buffer. An acute toxic load can be stored in the matrix and then released at a rate that the detoxification organs can handle. This reduces the stress on the liver and kidneys as well as toxin-sensitive tissues such as the thyroid, pancreas, and nervous system.**

The storage of growth factors is important in the field of functional oncology, in that abnormal concentrations of certain growth factors accumulated in the matrix can contribute to cell proliferation and oncogenesis. Storage of growth factors and other tissues, as well as expression of the heparans in the matrix, may affect blood coagulation, leading to hypercoagulability with all of the major impact that this has on systemic health.

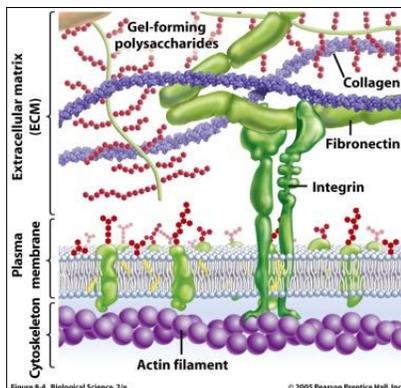
Intercellular Communication



Every cell carries the default message to self-destruct by apoptosis unless specifically instructed not to do so. Reception of these “does not die” messages depends on the cell’s contact with the extracellular matrix. Contact with the matrix also insures that the cell receives information to regulate many of its metabolic functions including appropriate cell proliferation, and activation and inhibition of the intracellular production of proteins, hormones and numerous other metabolites.

Cancer uses a peculiar strategy to avoid the regulatory effect of contact with normal cells in that it separates itself from full contact with the matrix. It does this partially by secreting enzymes into the matrix which dissolve it. While this would normally result in cell death by apoptosis, cancer avoids this by replacing the “do not die” messages with “noise” generated by enhanced self-generated cells. One of the natural strategies for the prevention and treatment of cancer is to optimize the health and function of the matrix, and to repair any damage that it has sustained.

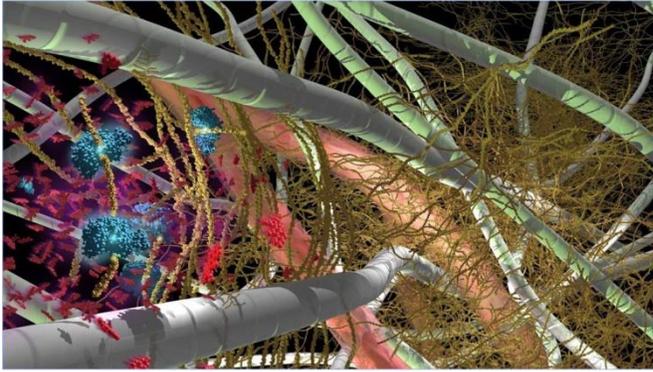
The German model of biological medicine teaches the idea that the matrix is also necessary for the propagation of “living systems information.” **This is the regulatory information that all cells and tissues need in order to appropriately interact for the good of the whole organism. This function depends on a healthy extracellular matrix.** It is believed that the action of a homeopathic remedy depends on the matrix for the effect of the remedy to be transduced into the whole organism.



Likewise, the propagation of the effect of acupuncture needling is believed to be due to effects transduced through the matrix. These ideas are expounded in detail in Pischinger’s book, Matrix and Matrix Regulation. If Pischinger’s ideas are correct, then a deterioration of the health of the matrix by modern lifestyle is responsible for the relative lack of dramatic effects seen when giving single potency homeopathic medicines as compared to reports in the literature from 100 years ago.

Likewise, improving the health of the matrix will give better results from other therapies like physical manipulation and acupuncture. Improving the health of the matrix using Cellular Reprogramming Therapy makes all other therapies work better.

DAMAGE TO THE MATRIX



The extracellular matrix can be damaged.

Causes of the damage from the viewpoint of mainstream western medicine include trauma, free radical oxidation, chronic inflammation and enzymes secreted by tumor cells. Damage to the matrix will render inefficient all of the functions described above.

Modern lifestyle causes a deterioration of the health of the matrix in several ways:

- A diet that is too low in fruits and vegetables will be deficient in trace minerals and antioxidants needed to support health
- A diet low in antioxidants will allow free radical oxidation damage to the matrix
- A diet in too high phase 1 liver enzyme inducers such as coffee, tobacco, and alcohol will disturb the balance of liver detoxification, leading to free radical oxidative damage to the matrix.
- A diet too high in omega 6 fats and too low in omega 3 fats will lead to upregulation of systemic inflammation which damages the matrix.
- A diet too high in insulinogenic carbohydrates will result in Hyperinsulinemia, which upregulates systemic inflammation and damages the matrix.
- A diet that is highly allergenic will disturb gastrointestinal ecology, which upsets liver detoxification, which leads to free radical oxidation which damages the matrix
- A stressful lifestyle, worry, overwork, and not enough sleep will dysregulate the glandular system, which interferes with metabolic regenerative processes, interferes with proper immune function, and upregulates system inflammation, which all damage the matrix.
- Lack of exercise will fail to clear toxins from the matrix. Dehydration will increase the viscosity of the matrix and reduce its transport functions.

The problem is that modern lifestyle is a very different environment than it was for Paleolithic peoples and instead of an occasional toxic exposure, *we now have constant exposure to low level of toxins, both physical and electromagnetic along with poor lifestyle factors in career and exercise, and social habits which reduce the efficiency of the excretion of toxins from the connective tissue matrix.*

The result is a matrix that slowly and steadily becomes encumbered with toxins as life progresses, just like an old sponge becoming saturated with residues from numerous cleaning projects and never being wrung out between uses.

This leads to a deterioration of function in the connective tissue matrix and thus an alteration of the biological terrain. This alteration in the terrain leads to chronic inflammation, fatigue and inefficiency of

tissue repair. This ultimately results in all of the chronic diseases including cancer, which so prevalently limit length and quality of life.

CHARACTERISTICS OF AN EFFECTIVE BIOLOGICAL MEDICINE

As discussed in the previous section, there are a variety of environmental and lifestyle factors that cause the matrix to become damaged and encumbered by toxins, microbes, and biologically non-compatible energies. This should not be cause for despair. Attention to proper lifestyle modification as well as use of the right medicines can restore the health.

These days, only a very good medicine can be truly effective. It must be strong, safe, and compatible with biological processes. It must inherently improve the health of the matrix while attending to symptoms.

An effective medicine must not only restore excretion of physical toxins but also harmful electromagnetic frequencies. It must have not only cleansing but also regenerative properties. In reality, medicines will tend to specialize in one of these areas, but the best ones have overlap into the other areas too.

Provocation Medicines

Provocation/excretion medicines are ones that will successfully “unglue” toxins from the connective tissue matrix, and accomplish their removal through urination, defecation, sweating, respiration or electromagnetic discharge. Some provocation medicines will activate and regulate immune function via cytokine activity. A drainage medicine is a mild provocation/excretion medicine.

Regulation Medicines

Regulation medicines restore the ability of an organ or tissue to respond to a host of dynamic changes in the external and internal environment. They sometimes do this by providing missing information in the form of a deficient nutrient, or a substance that modifies biological function. A regulation medicine is also considered an excretion medicine when it functions by removing a toxic load which is preventing certain metabolic reactions from proceeding.

Regeneration Medicines

A regeneration medicine helps repair damage. It does so by allowing a shift towards anabolic metabolism, by supplying a nutrient needed for repair or by releasing a toxic load which is causing a catabolic fixation of the metabolism. Some medicines fall more naturally into the realm of provocation/excretion, regulation or regeneration. The predominant effect is determined by the choice of medicines. I have chosen BioResource as my primary supplier of German Biological remedies. See next page.

BioResource: Providing Highest Quality German Energy Medicines Helps Take Practitioners to “The Next Level”



Founded by owner Michael Sheehan in 1998, BioResource today serves as the exclusive U.S. distributor for three powerful lines of German biological medicines: PEKANA homeopathic-spagyric medications for drainage, detoxification, regulation and regeneration;

SanPharma immune-metabolic remedies that trigger natural killer (NK) cells and support immune function; and Syntrion microbial-based homeopathic tablets and lotions for treatment of allergies, viral infections, circulatory conditions and fungal overgrowth. The medications are FDA-listed and manufactured at GMP-certified facilities.

One important key to BioResource’s success was discovering the powerful biological medicines manufactured by PEKANA Naturheilmittel of Kisslegg, Germany. The company’s unique homeopathic-spagyric formulas represent some of the finest excretion, regulation and regeneration preparations available today. The remedies are effective, safe, and compatible with biological processes, plus they inherently improve the health of the body’s extracellular matrix while attending to symptoms.

Moreover, PEKANA medications act in a profound manner to restore excretion of physical toxins as well as harmful electromagnetic frequencies. The oral drops and topical ointments combine cleansing and regenerative properties, and also help buffer a lifestyle that is stressful biochemically, electromagnetically, socially and spiritually.



In short, PEKANA provocation/excretion medicines “unglue” toxins from the connective tissue matrix, and accomplish their removal through urination, defecation, sweating, respiration or electromagnetic discharge. The regulation medicines restore the ability of an organ or tissue to respond to a host of dynamic changes in the external and internal environment. The regeneration remedies help repair damage by 1) allowing a shift towards anabolic metabolism, 2) supplying a nutrient needed for repair or 3) releasing a toxic load which is causing a catabolic fixation of the metabolism. In Chinese medical terms, regeneration medicines supplement the qi.

“The PEKANA medications have become an integral part of my treatment philosophy, and allowed me to take my naturopathic practice to the next level,” says Chris Fabricius ND, a 1997 graduate of National College of Natural Medicine (NCCNM) in Portland, Oregon. “Practitioners need to become aware of the feats of healing made possible by integrating these potent medicines into their therapy regimens.”

CREATING UNIQUE SPAGYRIC MEDICATIONS



First developed by the 16th Century Swiss physician Paracelsus, spagyricism represents a form of homeopathy in which both vital healing energy and active substances are extracted from medicinal plants, creating powerful mother tinctures that can be further potentized. Derived from the Greek words *spao* (separate) and *ageiro* (unite) the term spagyric means to take something apart and then re-unite it.

Paracelsus pointed out that the vital energy of an herb is more important than the plant material itself. Originally, spagyric remedies were created by putrefying parts of wild herbs, then distilling the material in a special device to produce concentrated, high alcohol (70-80%) aromatic solutions. The extracted bulk plant matter was dried and burned to an ash. Finally, this unpurified ash was recombined with the solution. As a result, the finished spagyric essence contained the mineral constituent parts of the plant.

This original method had some serious drawbacks. Modern yeasts were unavailable 500 years ago, and therefore the alchemists could not use today's fermentation techniques. Instead, they were forced to distill the plant materials, which destroyed important ingredients such as alkaloids, vitamins and enzymes. Moreover, the old method simply combined untreated ash with the solution, which meant the final remedies often contained impurities.

Modified through the ages, the spagyric process has been greatly refined by PEKANA founder and owner Dr. Peter Beyersdorff, who holds a doctorate in pharmacy. The modern manufacturing method developed by PEKANA is unique in the world today and results in homeopathic-spagyric medications of exceptional quality and efficacy. All remedies are produced at the company's Kisslegg, Germany facility according to Good Manufacturing Practices (GMP) certification.



PEKANA homeopathic-spagyric medications capture the entire living essence of healing plants. Listed in the Homeopathic Pharmacopeia (HAB), the spagyric processing method developed by master pharmacist Dr. Beyersdorff produces medications with both powerful energetic and biochemical effects. The combinations of spagyrically processed herbs, synergistic minerals and homeopathic substances are peerless in their capacity to help the body eliminate toxins and restore proper physiological function.

The process starts by fermenting selected herbs into what is essentially a wine using special yeasts and sugar. Each herb produces its own unique alcohol and other fermentation products. Therefore, the resulting product is alive and composed of a complex blend of metabolic products compatible with the energy (qi) of the plant. In Chinese medicine terms, this step could be looked upon as developing the “yin” of the plant. It is completely different from adding alcohol to an herb to extract its components.

Next, the tincture is purified through a series of filtration steps, while the leftover plant residue is burned to an ash. This develops the most “yang” quality of the plant. The ash is placed in a filter tube within a water solution until clear, pure crystals form, indicating that a maximum amount of the minerals have been extracted.



In the last step, PEKANA re-unites the mineral filtrate with the tincture. This combination of the fully developed yin with the fully developed yang results in a complete product, the spagyric

medicine. All the color and aroma of the remedy forms during this reunification process.

Some plants contain naturally occurring antifungals. This will prevent a fermentation from taking place. These plants must be prepared by homeopathic rather than spagyric methods.

The spagyric medicine is then made into a homeopathic medicine by **hand succussion**. Hand succussion is extremely important in that it adds another element of focused human intent into the production process.

Finally, up to eight homeopathic-spagyric single ingredients are blended together to form the complete PEKANA remedy. A single ingredient would provide a valuable medicine, but combining eight components creates a remedy that will have a broad spectrum of action in a wide variety of case presentations.

PEKANA employees carry out this incredibly sophisticated spagyric process in a family-like work environment. All products are made according to Good Manufacturing Practices (GMP) standards and certification, which insures that the ingredients have not been contaminated by microbes or metal toxins. This certification is difficult to obtain, and the combination of good science and traditional craftsmanship comes through in the finished product.

Immune-Metabolic Remedies Fight Infections Reduce Inflammation, Promote Proper Circulation

BioResource also distributes the **SanPharma** immune-metabolic remedies, and the incredible new **Syntrium** microbial-based homeopathics that were developed following lengthy human cell line research.

For many years, immune modulation therapy has been used to help patients fight acute and chronic illnesses. Primary goals of this therapy are to 1) enhance overall immunological reactivity in case of suppression and 2) balance an overactive, excessive immune response to restore healthy normal function.

Scientific articles published in peer-reviewed journals demonstrated that the effects of a modern lifestyle have significantly impacted the human immune system, making it more sensitive than in the past. As a result, **SanPharma** of Dohren, Germany took a different approach in 1999 toward immune system modulation, introducing microbial therapy derived from highly dilute metabolic products of fungi and bacteria

A breakthrough scientific study has shown conclusively that the SanPharma immune-metabolic fungal remedies work to fight infections by activating natural killer (NK) cells. The study was conducted by Natural Immune Systems Inc. in Klamath Falls, Oregon, a private contract research lab specializing in assessment of the effects of natural products on the human immune system.

According to chief immunologist and project director Dr. Gitte Jensen, the highly dilute fungal metabolites specifically activated human CD3-CD56+NK cells in vitro, as shown by the induction of the CD69 marker on up to 50% of NK cells after 18 hours culture with metabolites. Study results showed that SanPharma medications did not cause inflammatory reactions, such as induction of COX-2 enzymes.



At **Synttrion in Calw, Germany**, President Ronald Ullmann – a biochemist and former scientist at the prestigious Max Planck Institute – conducted research into the possibilities of microbial-based homeopathic remedies. His focus involved studying the effects of specific metabolites from selected fungal organisms on

various human cell lines including immune system cells. Ullmann developed a way of harvesting specific microbial metabolites, and preparing specific homeopathic preparations of these materials in 4X potencies according to Samuel Hahnemann’s classical methods. The result is the new Synttrion line of microbial-based remedies available in the form of tablets and lotions.

BioResource currently offers Synttrion **SyAllgen** for treatment of allergies and inflammation; **SyCircue** for circulatory conditions, including glaucoma; **SyImmune** to treat viral infections, such as herpes; **SyRegule** for mycotic infections; **SyInfect** for colds and flu; **SyGest** for digestive function; and the mineral supplement **SyCol** for intestinal detoxification.

As you begin your Cellular Reprogramming Therapy, the products can initiate an extracellular matrix cleansing. Please read the next section for a complete understanding of detoxification symptoms and what you should do if you should experience a detoxification reaction.

LIST OF POSSIBLE DETOXIFICATION SYMPTOMS

associated with 'Cellular Reprogramming Therapy'



PLEASE NOTE: If you begin to experience any of these symptoms, don't panic, the program is beginning to promote excretion of toxic substances that the body does not need. If the symptoms become too uncomfortable... call the office and we will determine if you should temporarily discontinue the detox, or reduce the dosage of some of the drainage remedies.

People who understand body cleansing, understand what detoxification symptoms are. Medical professionals understand the symptoms that make up what we call disease. **But the odd thing is that most detoxification symptoms are also the symptoms used to detect a disease.**

They can take the form of fevers (toxins trying to leave through the skin), headaches (too many toxins in the bloodstream), acne (toxins trying to make it out through the skin), tiredness (toxins in the blood), sneezing (toxins trying to make their way out through your nose at 95 miles per hour), coughing (toxins trying to get out of our lungs), vomiting (toxins leaving the body through the stomach), diarrhea (toxins exiting the body in mass through the bowel), rashes (toxins attempting to leave through the skin)... The list really goes on and on.

When we see these symptoms most people think that they are sick, even though it is by removing these toxins that our bodies are trying to make us well. In fact, most all of the swine flu symptoms are actually detoxification symptoms. **If you start looking at many disease symptoms through this new lens, you'll be amazed at what you find.**

When you understand this, the obvious answer to disease is really to detoxify the body and help the body along with its natural disease elimination methods.

But, because most of the population doesn't currently understand what detoxification symptoms are, when the detoxification symptoms occur, much of the population heads to a drug-oriented doctor, who

also doesn't understand detoxification symptoms. The doctor confirms that they are sick, and then puts them on some sort of drug that is designed to stop the symptoms.

But, what those drugs really do is stop the detoxification process and bury the toxicity (the original problem) in the body, where it will often creep back up later. When it creeps back up, it will be seen as another and often more serious problem.

So, with drug therapies, you may feel better initially because you've stopped the detoxification process, but you'll feel worse later. Actually, you'll likely become the target of more serious diseases, without understanding how you and your doctors played a role in the process.



MILD CLEANSING EFFECTS

1. Cold and flu-like symptoms
2. Low-grade fevers (*99°-100°Fahrenheit*)
3. Coughing with or without discharge
4. Clear and yellow mucus discharge from nose or

throat (*lungs, bronchi, etc.; this may include blood*)

5. Minor aches and pains
6. Mucus in stools
7. Mucus in urine
8. Loss of energy (*may go up and down*)
9. Rashes and itching
10. Disease symptoms increasing temporarily

11. Mucus from eyes
 12. Mild headaches
 13. Minor blurred vision
 14. Minor vertigo
 15. Weight loss (*average 8-15lbs. in two weeks. Depends upon level of thyroid weakness. Can be as little as 2 lbs.*)
 16. Chills
 17. Emotional feelings rising up, such as mild crying, anger or even laughter
 18. Some rectal bleeding (*hemorrhoids or lesions*)
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MODERATE CLEANSING EFFECTS

1. Symptoms of bronchitis or pneumonia
2. Heavy discharges of green to brown mucus from nose and throat (*lungs, bronchi, etc.*)
3. Pain in joints
4. Heavy discharge from kidneys (*urine color changes to brown, orange or dark yellow, etc.*)
5. Pain in old injuries or in degenerative areas of the body.
6. Chronic fatigue symptoms
10. Moderate shortness of breath (*asthma, emphysema, C.O.P.D.*)
11. Disease symptoms magnifying (*short-lived*)

12. Sores appearing on the skin
13. Oozing of innumerable substances from the skin, especially from the hands and feet
14. Bruising
15. *Weak muscle breakdown (muscle from meat protein)*
16. Heavy mucus discharge from eyes and ears
17. Vomiting
18. Diarrhea
19. Dizziness and/or vertigo
20. Minor heart palpitations
21. Migraines
22. High-grade fever (*103°-105°Fahrenheit*)
23. Deep coughing (*sometimes dry*). Use herbs to loosen and eliminate (*expectorate*) the impacted mucus.
24. Depression or anxieties
25. Emotional releasing (*crying, anger, laughter, etc.*)
26. Heavy thoughts (*lack of clarity*)
27. Skin splitting where heavy toxins exist
28. Excessive itching

You may experience one or several of the above cleansing effects (*healing crisis*). Don't panic! You want these. That's an excellent sign that they are doing the program correctly and are benefiting from it.

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