



## Preventive & Generative Health

# PG Health Club™

## Membership Policy: Pricing and Details

Atlas Genetics is proud to offer the first “multi-omics” precision health club service that incorporates nutrigenomics, epigenetics, microbiome, blood type, discount supplements, discount blood labs, and a variety of other methods and therapies at a low cost to our members, and with no exclusions for preexisting conditions. Customized nutrition recommendations are based on genetic variants and algorithms, biometric measurements, microbiome testing, recent labs, as well as current vitamins, minerals, herbs, essential oils, and other supplements.

### PG Club details:

- **Bronze Member (pay-as-you-go):** Anyone can become a Bronze Member of PG Health Club; there is no cost: Just agree to the rules, sign the form, and return it to PG Health. Free informative emails, discounts, and great up-to-date information.
- **Silver Member:** To become a Silver Member and enjoy the significant discounts and other benefits, an individual, family, or business needs to commit to a monthly debit/credit card automatic payment subscription to retain the services offered, as explained below (4 month minimum).

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- To become a Silver Member, you must also subscribe to one or more of the following auto-ship platforms: Juice+, Clinical Synergy, ecoNugenics, 4yourtype, or Fullscript.
- If you subscribe to 2 or more platforms, the membership price drops to just \$29 per month (\$79 for families), and if you subscribe to 3 or more platforms, and the membership price drops to just \$9 per month (\$39 for families).
- **Gold Member:** Gold Membership is more for people who really want to take full control of their health. To become a Gold Member and enjoy the significant discounts and other benefits, an individual, family, or business needs to commit to a monthly debit/credit card automatic payment subscription to retain the services offered, as explained below (4 month minimum). **Gold Membership is \$495 per month for the first year, and \$395 per month for subsequent years.** For families, the 2<sup>nd</sup> member receives a 10% discount, and 3<sup>rd</sup> and subsequent members receive a 15% discount.
  - To become a Gold Member, you must also subscribe to 2 or more of the following auto-ship platforms: Juice+, Clinical Synergy, ecoNugenics, 4yourtype, or Fullscript.
  - If you subscribe to 3 or more platforms, you will receive an extra 5% discount from the monthly membership charges.
- **Auto-ship orders.** In order to participate in PG Health Club, you must subscribe to one or more of the following recurring autopay services. The minimum recurring auto-ship orders are as follows:
  - **Juice+:** \$75 per month (ships quarterly)  
(Families: \$175 per month)
  - **Fullscript:** \$170 every other month  
(Families: \$375 every other month)
  - **ecoNugenics:** \$170 every other month  
(Families: \$375 every other month)
  - **Clinical Synergy:** \$180 every other month  
(Families: \$400 every other month)
  - **4yourtype:** \$150 every other month  
(Families: \$350 every other month)

Note: Some ecoNugenics and Clinical Synergy orders may sometimes be sent via Fullscript. When this occurs no further price or shipping costs will be incurred by Members.

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- **Full Members enjoy significant discounts** on all of our multi-omics health coaching services, discounts on supplements, access to private social media pages (including Facebook), private webinars, seminars, as well as limited “on-call” access to our multi-omics health coaches. Gold Members enjoy follow-up appointments every other month.
- **No signup cost.** Monthly fees are \$39 per month for individuals for Silver Membership, and \$99 per month for families (with discounts listed above). For corporate accounts (minimum 12 employees), monthly fees are \$34 per month for individuals, and \$89 per month for families. You may cancel at any time after making monthly payments for 4 months. However, a 30-day notice must be given to discontinue membership (prorated), and a 4-month waiting period needs to be observed before subscription may be reinstated. For corporate accounts, a 90-day notice must be given (prorated), and the company may cancel the corporate subscription any time after 12 monthly payments.
- **Grace period.** If the auto-renewal fails, a seven-day grace period will be added to your subscription so that you can have the opportunity to update your payment information. During this grace period you won't lose access to any of the services.
- **Limited direct health coach access via email** is available at no extra charge to our Members. Members usually receive a response within 1-2 business days. Nutrigenomic, epigenetic, microbiome, lifestyle, mental health, and other health coaching-related phone calls, texts, emails, or any communications requiring extensive research and/or time will be billed at the corresponding visit rate (with prior approval from the client).
- **Full cost of services is due** at time of scheduling. Please cancel/reschedule your appointment at least 48 hours in advance to receive a full refund. Members who would like to cancel or reschedule 48 to 24 hours in advance will receive a 50% refund. Members who cancel or reschedule with less than 24 hours' notice will receive no refund.
- **Appointment cancellations and no-shows.** Members may be allowed one “no-show” per year, and families two “no-shows” per year, at the discretion of Atlas Genetics.
- **We reserve the right to limit** text messages, emails, and phone calls. We also reserve the right to terminate your service at any time without refund for past membership enrollment.

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## Primary Services

Appointment Type	Silver Member Pay-as-you-go	Member Price	Gold Member Price
<b>Nutrigenomic Initial 2 Consults</b>	\$250 + \$250	\$175 + \$175	(included)
<b>WELLNESS REPORT or DEEP DIVE</b>	\$300	\$225	\$0 (one every other month)
<b>Follow-up consult, 30 min.</b>	\$150	\$100	\$50
<b>Follow-up Consult, 60 min.</b>	\$250	\$175	\$75
<b>Blood Labs</b>	\$450	\$375	\$375
<b>Comprehensive Blood Labs</b>	\$5,500	\$4,500	(included, see labs schedule)
<b>Genomic<i>Insight</i> (DSL) DNA Test</b>	\$350	\$300	included
<b>FULL DNA Testing (Basic + DSL + SD)</b>	\$625	\$550	included
<b>AT-HOME INTERVENTION</b>	\$800	\$600	\$400
<b>FAMILY PLANNING</b>	\$600	\$500	\$300

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## Primary Services - Continued

Appointment Type	Silver Member Pay-as-you-go	Member Price	Gold Member Price
<b>OmbreLab Gut Test + Analysis</b>	\$350	\$200	included
<b>GI-MAP Gut Test + Analysis</b>	\$600	\$450	included
<b>Direct Access</b>	No	Yes	Yes
<b>Free Workshop Access</b>	No	Yes	Yes
<b>Priority Scheduling</b>	No	Yes	Yes
<b>Medicinary Disc. (FS, CS, DPN, Etc.)</b>	5%	10%	15%
<b>SWAMI Epigenetics</b>	\$350	\$250	included
Membership	Pay-as-you-go	Member Price	Gold Member Price
<b>1 Adult</b>	N/A	\$39/mo.	\$495
<b>Family</b>	N/A	\$99/mo.	2 <sup>nd</sup> member: 10% discount, 3 <sup>rd</sup> + member: 15% discount

Atlas Genetics Inc. does not accept insurance and is not a Medicare provider. Patient is ALWAYS responsible for payment of all charges at the time of visit, regardless of any insurance or third-party arrangements.































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# DNA Wellness Reports

<p><b>UPDATED</b></p>  <p><b>TYPICAL LIKELIHOOD</b> <b>Acid Reflux</b> Published: Dec 23, 2021</p> <p>→ </p>	 <p><b>LESS LIKELY</b> <b>Acne</b> Published: Nov 11, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Allergies</b> Published: Dec 30, 2021</p> <p>→ </p>
 <p><b>TYPICAL LIKELIHOOD</b> <b>Anxiety</b> Published: Nov 11, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Artery Hardening</b> Published: Mar 18, 2022</p> <p>→ </p>	 <p><b>MORE LIKELY</b> <b>Asthma</b> Published: Nov 10, 2021</p> <p>→ </p>
 <p><b>MORE LIKELY</b> <b>Attention</b> Published: Nov 11, 2021</p> <p>→ </p>	 <p><b>MORE LIKELY</b> <b>Back Pain</b> Published: Nov 26, 2021</p> <p>→ </p>	 <p><b>MORE LIKELY</b> <b>Bone Health</b> Published: Nov 10, 2021</p> <p>→ </p>
 <p><b>LESS LIKELY</b> <b>Brain Fog</b> Published: Nov 12, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>MORE LIKELY</b> <b>Carpal Tunnel Syndrome</b> Published: Mar 08, 2022</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Cavities</b> Published: Mar 08, 2022</p> <p>→ </p>
 <p><b>TYPICAL LIKELIHOOD</b> <b>Chronic Pain</b> Published: Nov 10, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Eczema</b> Published: Dec 30, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Fatigue</b> Published: Nov 10, 2021</p> <p>→ </p>































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## DNA Wellness Reports – Continued

<p><b>UPDATED</b></p>  <p><b>TYPICAL</b> <b>Food Allergies</b> Published: Mar 25, 2022</p> <p>→ </p>	<p><b>TYPICAL LIKELIHOOD</b></p>  <p><b>Gallstones</b> Published: Nov 11, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>INCREASED</b> <b>Gluten Sensitivity</b> Published: Mar 25, 2022</p> <p>→ </p>
<p><b>LESS LIKELY</b></p>  <p><b>Gout</b> Published: Nov 23, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>TYPICAL LIKELIHOOD</b> <b>Gum Disease</b> Published: Jan 14, 2022</p> <p>→ </p>	<p><b>LESS LIKELY</b></p>  <p><b>Gut Inflammation</b> Published: Dec 30, 2021</p> <p>→ </p>
<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Hair Loss</b> Published: Mar 04, 2022</p> <p>→ </p>	<p><b>TYPICAL LIKELIHOOD</b></p>  <p><b>Headache</b> Published: Nov 10, 2021</p> <p>→ </p>	<p><b>LESS LIKELY</b></p>  <p><b>Heart Health</b> Published: Nov 11, 2021</p> <p>→ </p>
<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Heavy Sweating</b> Published: Mar 11, 2022</p> <p>→ </p>	<p><b>TYPICAL LIKELIHOOD</b></p>  <p><b>High Blood Pressure</b> Published: Nov 11, 2021</p> <p>→ </p>	<p><b>TYPICAL LIKELIHOOD</b></p>  <p><b>High Blood Sugar</b> Published: Nov 11, 2021</p> <p>→ </p>
<p><b>MORE LIKELY</b></p>  <p><b>High Cholesterol</b> Published: Nov 11, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Hives</b> Published: Mar 04, 2022</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>TYPICAL LIKELIHOOD</b> <b>H. pylori</b> Published: Dec 24, 2021</p> <p>→ </p>

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## DNA Wellness Reports – Continued

<p><b>UPDATED</b></p>  <p><b>MORE LIKELY</b> <b>Indigestion</b> Published: Mar 15, 2022</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Inflammation</b> Published: Nov 17, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Insomnia</b> Published: Nov 10, 2021</p> <p>→ </p>
 <p><b>MORE LIKELY</b> <b>Irritable Bowel</b> Published: Nov 10, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Joint Inflammation</b> Published: Dec 30, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Joint Pain</b> Published: Nov 10, 2021</p> <p>→ </p>
 <p><b>LESS LIKELY</b> <b>Kidney Health</b> Published: Nov 11, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Kidney Stones</b> Published: Nov 15, 2021</p> <p>→ </p>	<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Male Infertility</b> Published: Mar 10, 2022</p> <p>→ </p>
 <p><b>LESS LIKELY</b> <b>Migraines</b> Published: Nov 10, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Mood</b> Published: Nov 11, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Mood Swings</b> Published: Dec 02, 2021</p> <p>→ </p>
<p><b>UPDATED</b></p>  <p><b>LESS LIKELY</b> <b>Nearsightedness</b> Published: Mar 13, 2022</p> <p>→ </p>	 <p><b>MORE LIKELY</b> <b>Overactive Thyroid</b> Published: Dec 30, 2021</p> <p>→ </p>	 <p><b>TYPICAL LIKELIHOOD</b> <b>Overweight</b> Published: Nov 11, 2021</p> <p>→ </p>

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## DNA Wellness Reports – Continued

<b>UPDATED</b>  <b>LESS LIKELY</b> <b>Peptic Ulcers</b> Published: Dec 30, 2021 → 	 <b>LESS LIKELY</b> <b>Psoriasis</b> Published: Dec 30, 2021 → 	 <b>TYPICAL LIKELIHOOD</b> <b>Psychological Trauma</b> Published: Dec 14, 2021 → 
<b>UPDATED</b>  <b>LESS LIKELY</b> <b>Rosacea</b> Published: Mar 04, 2022 → 	 <b>LESS LIKELY</b> <b>Sexual Dysfunction</b> Published: Dec 30, 2021 → 	 <b>TYPICAL LIKELIHOOD</b> <b>Shoulder &amp; Neck Pain</b> Published: Nov 10, 2021 → 
<b>UPDATED</b>  <b>TYPICAL LIKELIHOOD</b> <b>Sinus Congestion</b> Published: Mar 15, 2022 → 	 <b>TYPICAL LIKELIHOOD</b> <b>Stress</b> Published: Nov 11, 2021 → 	 <b>TYPICAL LIKELIHOOD</b> <b>Tinnitus</b> Published: Dec 30, 2021 → 
<b>UPDATED</b>  <b>TYPICAL</b> <b>Triglycerides</b> Published: Mar 25, 2022 → 	 <b>MORE LIKELY</b> <b>Underactive Thyroid</b> Published: Dec 30, 2021 → 	 <b>LESS LIKELY</b> <b>Urinary Tract Infections</b> Published: Dec 30, 2021 → 
<b>UPDATED</b>  <b>LESS LIKELY</b> <b>Varicose Veins</b> Published: Dec 30, 2021 → 	<b>UPDATED</b>  <b>TYPICAL LIKELIHOOD</b> <b>Vertigo</b> Published: Mar 21, 2022 → 	<b>UPDATED</b>  <b>MORE LIKELY</b> <b>Vitiligo</b> Published: Mar 15, 2022 → 

\*NOTICES AND DISCLAIMERS: All Wellness Reports include an optional 30-minute consultation at no extra charge. Atlas Genetics Inc. does not accept insurance and is not a Medicare provider. Patient is ALWAYS responsible for prompt payment of all charges regardless of any insurance or third-party arrangements. All genetic testing (Ancestry, Genomic*Insight*, 23andMe, MyHeritage, SelfDecode, etc.) is/are payable at the time the test(s) is/are ordered. All Wellness Reports, Analyses and Deep Dives are payable at the time of visit. For patients who wish to order multiple Wellness Reports or Deep Dives, the 2<sup>nd</sup> deep dive ordered at the same time receive a 10% discount, and 3<sup>rd</sup> and subsequent deep dives ordered at the same time will receive a 20% discount.

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# Deep Dives

Panel Code	Deep Dive Panel	
<b>001</b>	<b>AGING</b>	
	<ul style="list-style-type: none"> <li>• Aging – overall</li> <li>• Cardiovascular</li> <li>• Dementia / Alzheimer's</li> <li>• Immunity genomics</li> <li>• Inflammation</li> <li>• Liver genomics</li> <li>• Longevity genomics</li> <li>• Macular degeneration (AMD)</li> <li>• Obesity / metabolic syndrome</li> </ul>	<ul style="list-style-type: none"> <li>• Oncology – general</li> <li>• Osteoporosis</li> <li>• Phase I / II balance</li> <li>• Oxidation / redox balance</li> <li>• Stroke risk</li> <li>• Telomere length</li> <li>• Thrombosis</li> <li>• Type 2 diabetes</li> </ul>
<b>002</b>	<b>ATHLETICS</b>	
	<ul style="list-style-type: none"> <li>• Overall abilities</li> <li>• Age-related decline</li> <li>• Caffeine use</li> <li>• Concussions / head trauma</li> <li>• Endurance / extreme endurance</li> <li>• Extreme hot weather</li> </ul>	<ul style="list-style-type: none"> <li>• Extreme cold weather / high altitude Injury risk</li> <li>• Motor skills / fine motor skills</li> <li>• Exercise recovery</li> <li>• Speed / Sprinting / Reflexes</li> <li>• Strength / Power</li> </ul>
<b>003</b>	<b>AUTOIMMUNE</b>	
	<ul style="list-style-type: none"> <li>• General risk</li> <li>• Addison's disease</li> <li>• Ankylosing spondylitis</li> <li>• Celiac disease</li> <li>• Guillain-Barre syndrome</li> <li>• Graves' disease</li> <li>• Hashimoto's disease</li> <li>• IBD – Crohn's disease</li> </ul>	<ul style="list-style-type: none"> <li>• IBD – Ulcerative colitis</li> <li>• Lupus (SLE)</li> <li>• Multiple sclerosis</li> <li>• Myasthenia gravis</li> <li>• Psoriasis / Psoriatic arthritis</li> <li>• Rheumatoid arthritis</li> <li>• Sjogren's syndrome</li> <li>• Type 1 diabetes</li> </ul>
<b>004</b>	<b>CATECHOLAMINES</b>	
	<ul style="list-style-type: none"> <li>• Catecholamines – network map</li> <li>• Adrenaline / Norepinephrine</li> <li>• Dopamine</li> <li>• Melatonin</li> <li>• Serotonin</li> </ul>	<ul style="list-style-type: none"> <li>• Serotonin / Melatonin combined pathways</li> <li>• Dopamine / Norepinephrine combined pathways</li> </ul>

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<b>005</b>	<b>CARIDOVASCULAR</b>	
	<ul style="list-style-type: none"> <li>• General risk</li> <li>• Abdominal aortic aneurysm</li> <li>• Anti-aging</li> <li>• Atherosclerosis</li> <li>• Atrial fibrillation</li> <li>• Cardiometabolic</li> <li>• Cholesterol</li> <li>• Coronary artery disease (CAD)</li> <li>• Deep vein thrombosis (DVT)</li> <li>• Endothelial dysfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Hypertension</li> <li>• Intestinal alkaline phosphatase</li> <li>• Ischemic heart disease (IHD)</li> <li>• Myocardial infarction (heart attack)</li> <li>• Nitric oxide – brain (NOS1)</li> <li>• Nitric oxide – inducible (NOS2)</li> <li>• Nitric oxide – endothelial (NOS3)</li> <li>• Peripheral artery disease (PAD)</li> <li>• Stroke / cerebral infarction</li> </ul>
<b>006</b>	<b>DRUGS – ADDICTIONS</b>	
	<ul style="list-style-type: none"> <li>• Overall risk</li> <li>• Alcohol</li> <li>• Food</li> <li>• Gaming</li> <li>• Glucose / sugar</li> <li>• Hypersexuality disorder</li> </ul>	<ul style="list-style-type: none"> <li>• Marijuana</li> <li>• Nicotine</li> <li>• Opioids (heroin, fentanyl, oxy pills, methadone, etc.)</li> <li>• Stimulants (methamphetamine, cocaine, etc.)</li> </ul>
<b>007</b>	<b>DRUGS – THERAPEUTIC</b>	
	<ul style="list-style-type: none"> <li>• Cannabinoid metabolism</li> <li>• Cannabinoid contraindications</li> <li>• DMT metabolism</li> <li>• DMT contraindications</li> <li>• Psilocybin metabolism</li> <li>• Psilocybin contraindications</li> </ul>	<ul style="list-style-type: none"> <li>• Ketamine metabolism</li> <li>• Ketamine contraindications</li> <li>• MDA metabolism</li> <li>• MDA contraindications</li> <li>• Mescaline metabolism</li> <li>• Mescaline contraindications</li> </ul>
<b>008</b>	<b>COVID-19 ANALYSIS</b>	
	<ul style="list-style-type: none"> <li>• Infection / reinfection / Superspreader risk</li> <li>• ARDS / Sepsis / Severity</li> <li>• Micro-Thrombosis / Endothelial Dysfunction</li> <li>• Hypoxia / Hemoglobin</li> <li>• Fungal risk</li> <li>• Interferon I, II, and III genomics</li> <li>• New potential variants protection</li> <li>• Zinc requirements</li> <li>• Vitamin C requirements / High-dose IV vitamin C</li> </ul>	<ul style="list-style-type: none"> <li>• Inflammation / Cytokine Storm</li> <li>• Oxidant / Antioxidant Status</li> <li>• Pulmonary Fibrosis / Lung Function</li> <li>• Hydroxychloroquine dose</li> <li>• Ivermectin dose</li> <li>• Vitamin D Blood Levels</li> <li>• B-cell genomics</li> <li>• CD8+ T cell genomics</li> <li>• Major Histocompatibility Complex (MHC I, II, and III) genomics</li> <li>• Selenium requirements</li> </ul>

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<b>009</b>	<b>COVID-19 VACCINE</b>	
	<ul style="list-style-type: none"> <li>• Seroconversion</li> <li>• Micro-Thrombosis Risk</li> <li>• Cytokine Storm Risk</li> <li>• Autoimmune Risk</li> <li>• Cumulative Fatality Risk</li> <li>• Adipocytokine genomics</li> <li>• IgA genomics</li> <li>• IgG genomics</li> <li>• IgM genomics</li> <li>• Th1/Th2 analysis</li> <li>• NK cell genomics</li> <li>• Neutrophil genomics</li> <li>• Other vaccines – summary</li> </ul>	<ul style="list-style-type: none"> <li>• New potential variants protection</li> <li>• Vaccine Detox Protocol – J &amp; J</li> <li>• Vaccine Detox Protocol – Moderna</li> <li>• Vaccine Detox Protocol – Pfizer</li> <li>• B-cell genomics</li> <li>• CD4+ T cell genomics</li> <li>• CD8+ T cell genomics</li> <li>• Treg genomics</li> <li>• Interferon I, II, and III genomics</li> <li>• M1/M2 macrophage genomics</li> <li>• Major Histocompatibility Complex (MHC I, II, and III) genomics</li> </ul>
<b>010</b>	<b>DETOX – GENERAL</b>	
	<ul style="list-style-type: none"> <li>• Phase I detox</li> <li>• Phase II detox</li> <li>• Phase III detox</li> <li>• Air pollution detox</li> <li>• Caffeine metabolism</li> <li>• Detox Wizard panel</li> <li>• Inflammation</li> </ul>	<ul style="list-style-type: none"> <li>• Blood detox</li> <li>• Brain detox</li> <li>• Chemical detox</li> <li>• Colon / microbiome detox</li> <li>• Heavy metals detox</li> <li>• Liver detox</li> </ul>
<b>011</b>	<b>DETOX – BRAIN</b>	
	<ul style="list-style-type: none"> <li>• General brain health</li> <li>• General brain detox</li> <li>• Autophagy detox</li> <li>• Neurodegenerative detox</li> <li>• Histamine detox</li> <li>• Brain Catecholamine detox</li> <li>• Air pollution</li> </ul>	<ul style="list-style-type: none"> <li>• Glutamate detox</li> <li>• Cannabinoid receptor signaling</li> <li>• Notch signaling and detox</li> <li>• Brain: Phase I</li> <li>• Brain: Phase II</li> <li>• Caffeine detox</li> </ul>
<b>012</b>	<b>DETOX – CHEMICALS</b>	
	<ul style="list-style-type: none"> <li>• General chemicals detox</li> <li>• Plastics / alkylphenols detox</li> <li>• Glyphosate / Roundup</li> <li>• Phthalates</li> <li>• Sunscreens</li> <li>• PCBs / PBBs / Hydol</li> <li>• PAH / Dioxins</li> <li>• Pesticides / Herbicides / Fungicides / Insecticides</li> <li>• Fluoride/hydrofluorosilicic ac.</li> </ul>	<ul style="list-style-type: none"> <li>• Air pollution – general</li> <li>• Air pollution – coal</li> <li>• Air pollution – construction</li> <li>• Air pollution – indoor / office</li> <li>• Air pollution – biochemistry</li> <li>• Air pollution – nuclear</li> <li>• BFR / PDBE – Flame retardants</li> <li>• Benzo(a)pyrenes</li> <li>• Bisphenol A (BPA)</li> </ul>

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<b>013</b>	<b>DETOX – COLON / MICROBIOME</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomics</li> <li>• GI Phase I Detox</li> <li>• GI Phase II Detox</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Proteus (Global Agent List)</li> </ul> <p><b>Programmatics:</b></p> <ul style="list-style-type: none"> <li>• Compromised gluten breakdown</li> <li>• Gluten-Induced Immunopathology</li> <li>• Mucin-Degrading Microbiota</li> </ul>	<ul style="list-style-type: none"> <li>• SIBO / methanogens</li> <li>• General dysbiosis</li> <li>• Lethal GVHD / survival</li> <li>• Protolerogenic adjuvants</li> <li>• Ileal Crohn’s</li> <li>• Endotoxemia</li> <li>• Pro-inflammatory genera</li> <li>• IBS / CFS</li> <li>• Faecalibacterium</li> <li>• Obesity / Metabolic Syndrome</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> </ul>
<b>014</b>	<b>DETOX – COLON / MUCOID PLAQUE</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation / Mucus production – Genomics</li> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Radiance (Network Map)</li> </ul> <p><b>Programmatics:</b></p> <ul style="list-style-type: none"> <li>• Compromised gluten breakdown</li> <li>• Gluten-Induced Immunopathology</li> </ul>	<ul style="list-style-type: none"> <li>• Mucin-Degrading Microbiota</li> <li>• General dysbiosis</li> <li>• Ileal Crohn’s</li> <li>• Endotoxemia</li> <li>• Pro-inflammatory genera</li> <li>• IBS / CFS</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> <li>• PON1 and other pesticide-related variants</li> </ul>
<b>015</b>	<b>DETOX – HEAVY METALS</b>	
	<ul style="list-style-type: none"> <li>• General heavy metal detox</li> <li>• Phase I detox</li> <li>• Phase II detox</li> <li>• Aluminum</li> <li>• Arsenic</li> <li>• Cadmium</li> <li>• Copper</li> <li>• Lead</li> </ul>	<ul style="list-style-type: none"> <li>• Iron / hemochromatosis / HFE</li> <li>• Mercury</li> <li>• Nickel</li> <li>• Beryllium</li> <li>• Radon</li> <li>• Neurological damage risk</li> <li>• Kidney damage risk</li> <li>• Vaping heavy metal risk</li> </ul>
<b>016</b>	<b>DETOX – LIVER</b>	
	<ul style="list-style-type: none"> <li>• General liver detox</li> <li>• Phase I detox</li> <li>• Phase II detox</li> <li>• Phase III detox</li> <li>• Detox Wizard panel</li> <li>• Liver fibrosis risk</li> <li>• Wilson’s disease</li> </ul>	<ul style="list-style-type: none"> <li>• Thrombosis proteins</li> <li>• Meds detox</li> <li>• NAFLD genomics</li> <li>• Iron / hemochromatosis</li> <li>• Fat metabolism</li> <li>• Hepatitis A, B, C genetics</li> <li>• Hepatocellular carcinoma risk</li> </ul>

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<b>017</b>	<b>ENDOCRINE</b>	
	<ul style="list-style-type: none"> <li>• General endocrine / HPA axis</li> <li>• Adrenal insufficiency</li> <li>• Congenital adrenal hyperplasia (CAH)</li> <li>• Endocrine effects on osteoporosis</li> </ul>	<ul style="list-style-type: none"> <li>• Estrogen</li> <li>• Hyperaldosteronism</li> <li>• Increase Estradiol Protocol</li> <li>• Pituitary disorders</li> <li>• Steroid chemistry</li> <li>• Thyroid</li> <li>• Testosterone</li> </ul>
<b>018</b>	<b>ENERGY / OBESITY / METABOLIC SYNDROME</b>	
	<ul style="list-style-type: none"> <li>• Obesity – general</li> <li>• Adipocytokines</li> <li>• CLA – requirements</li> <li>• Energy expenditure / resting metabolic rate (REE)</li> <li>• Exercise type, duration, resp.</li> <li>• Fat requirements, omega 3-6-9</li> <li>• Food combining</li> <li>• High protein</li> <li>• Hyperinsulinemia</li> </ul>	<ul style="list-style-type: none"> <li>• Keto / low carb</li> <li>• Low fat</li> <li>• Macronutrients 5D (Protein / Carbs / Fat / Alcohol / Fiber)</li> <li>• Mediterranean diet</li> <li>• Mitochondrial genomics</li> <li>• Satiety / Hangry genomics</li> <li>• Type 2 diabetes</li> <li>• Vegetarianism / Veganism</li> <li>• Weight <i>gain</i></li> <li>• Weight loss – resistance</li> <li>• Paleo diet</li> </ul>
<b>019</b>	<b>FASTING / INTERMITTENT FASTING</b>	
	<ul style="list-style-type: none"> <li>• Fasting – general</li> <li>• Fasting, intermittent</li> <li>• Energy expenditure / resting metabolic rate (REE)</li> <li>• Exercise type, duration, response</li> </ul>	<ul style="list-style-type: none"> <li>• High protein</li> <li>• Keto / low carb</li> <li>• Mitochondrial genomics</li> <li>• Satiety / Hangry genomics</li> <li>• Vegetarianism / Veganism</li> <li>• Weight loss – resistance</li> </ul>
<b>020</b>	<b>FIBROSIS</b>	
	<ul style="list-style-type: none"> <li>• Fibrosis – general</li> <li>• Connective tissue</li> <li>• Cystic fibrosis</li> <li>• Extracellular matrix proteins</li> <li>• IL-10</li> <li>• Liver fibrosis</li> <li>• M1/M2 Macrophages</li> </ul>	<ul style="list-style-type: none"> <li>• Pulmonary fibrosis (incl. IPF)</li> <li>• Radiation-induced lung injury</li> <li>• Renal fibrosis</li> <li>• TGFB</li> <li>• Tissue remodeling genomics</li> <li>• Wound healing</li> </ul>

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<b>021</b>	<b>GASTROINTESTINAL</b>	
	<ul style="list-style-type: none"> <li>• GI – general</li> <li>• GI – Wizard analysis</li> <li>• CYP1A1 analysis</li> <li>• Intestinal alkaline phosphatase</li> <li>• Intestinal autophagy</li> <li>• Irritable bowel syndrome (IBS)</li> <li>• IBS-C, IBS-D</li> <li>• Celiac / autoimmune</li> </ul>	<ul style="list-style-type: none"> <li>• Crohn's</li> <li>• Gluten, lectin sensitivity</li> <li>• Inflammation</li> <li>• Oxidative/ Antioxidant Genomics</li> <li>• Ulcerative colitis</li> <li>• HLA genomics</li> <li>• FUT2 / FUT3 genomics</li> <li>• Histamine genomics</li> <li>• TLR / innate immune – analysis</li> <li>• GI supplements</li> </ul>
<b>022</b>	<b>IMMUNITY</b>	
	<ul style="list-style-type: none"> <li>• Immunity – general</li> <li>• Antibiotic-resistant bacteria (incl. Staph., Strep., and E. Coli)</li> <li>• HIV / AIDS</li> <li>• Chronic fatigue syndrome (CFS)</li> <li>• Histamine / Allergies</li> <li>• Hepatitis A</li> <li>• Hepatitis B</li> <li>• Hepatitis C</li> <li>• HPV</li> <li>• Infectious diseases – general</li> <li>• Infectious diseases – main (anthrax, dengue, malaria, Ebola, rabies, TB, yellow fever)</li> </ul>	<ul style="list-style-type: none"> <li>• Infectious diseases – ancestral (cholera, plague, smallpox, typhoid)</li> <li>• Inflammation</li> <li>• Influenza (incl. H1N1, H3N2, H5N1)</li> <li>• Lyme disease</li> <li>• Parasites (helminth, protozoa)</li> <li>• Parasites (tapeworms, roundworms / filarial, flukes, hookworms, pinworms, trichinosis)</li> <li>• Respiratory infections</li> <li>• Rheumatic fever</li> <li>• Viruses (CMV, herpesviruses, Epstein-Barr, etc.)</li> <li>• Yeast / fungal / Candida</li> </ul>
<b>023</b>	<b>INFLAMMATION</b>	
	<ul style="list-style-type: none"> <li>• Inflammation – general</li> <li>• Inflammation – wizard analysis</li> <li>• Adipocytokines</li> <li>• Asthma</li> <li>• FUT 2 / FUT3 genomics</li> <li>• Histamine genomics</li> </ul>	<ul style="list-style-type: none"> <li>• Oxidative stress / redox balance</li> <li>• Fibromyalgia / TMJ</li> <li>• Over-inflammation / Cytokine Storm Risk</li> <li>• Sepsis</li> </ul>

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<b>024</b>	<b>LIVER / KIDNEY</b>	
	<ul style="list-style-type: none"> <li>• Liver – general</li> <li>• Kidney – general</li> <li>• Acute liver failure</li> <li>• Autoimmune</li> <li>• Chronic liver failure / ESRD</li> <li>• COPD complications</li> <li>• Gout / uric acid</li> <li>• Fibrosis risk</li> <li>• Immune / infections</li> <li>• EPO / RBC</li> </ul>	<ul style="list-style-type: none"> <li>• Kidney cancer</li> <li>• Kidney stones</li> <li>• Liver function</li> <li>• Phase I detox</li> <li>• Phase II detox Renal function</li> <li>• Polycystic kidney disease</li> <li>• Strobe kidney analysis</li> <li>• Strobe liver analysis</li> <li>• Type 2 diabetes</li> </ul>
<b>025</b>	<b>METHYLATION</b>	
	<ul style="list-style-type: none"> <li>• Methylation – general</li> <li>• Methylation – Wizard analysis</li> <li>• Folate pathway</li> <li>• Methionine – alternative pathway</li> <li>• Methyl trapping</li> <li>• Homocysteine</li> </ul>	<ul style="list-style-type: none"> <li>• Tetrahydrobiopterin (BH4) production</li> <li>• One-carbon metabolism – network</li> <li>• Catecholamine metabolism – network</li> <li>• Phase II detox – glutathione conjugation and sulfation</li> <li>• Circadian oscillator network</li> </ul>
<b>026</b>	<b>MICROBIOME: GENERAL</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomic</li> <li>• Utopia: Loam Taxons</li> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Mapping)</li> <li>• Monza (Antibiotics)</li> <li>• Proteus (Global Agent List)</li> </ul> <p><b>Programmatics:</b></p> <ul style="list-style-type: none"> <li>• TMAO</li> <li>• Depression (3)</li> <li>• Sleep loss</li> <li>• Compromised gluten breakdown</li> </ul>	<ul style="list-style-type: none"> <li>• Mucin-Degrading Microbiota</li> <li>• General dysbiosis</li> <li>• Microbiota Enterotype</li> <li>• FUT2 secretor-associated microbiota</li> <li>• Equol-producing genera</li> <li>• Protolerogenic adjuvants</li> <li>• Extreme longevity</li> <li>• Pro-inflammatory genera</li> <li>• IBS / CFS</li> <li>• Mucin-degrading keystone (Akkermansia)</li> <li>• Faecalibacterium</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> </ul>

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<b>027</b>	<b>MICROBIOME: COMMUNITY</b>	
	<ul style="list-style-type: none"> <li>• Utopia: Loam Taxons</li> <li>• Pansophia: Sequential</li> <li>• Radiance (Network Mapping)</li> <li>• Monza (Antibiotics)</li> <li>• Proteus (Global Agent List)</li> <li>• General dysbiosis</li> <li>• Diversity</li> </ul>	<ul style="list-style-type: none"> <li>• Microbiota Enterotype</li> <li>• FUT2 secretor-associated microbiota</li> <li>• Mucin-degrading microbiota</li> <li>• Mucin-degrading keystone (Akkermansia)</li> <li>• Faecalibacterium</li> <li>• Protolerogenic adjuvants</li> </ul>
<b>028</b>	<b>MICROBIOME: METABOLISM</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genetic</li> <li>• GI Phase I Detox</li> <li>• GI Phase II Detox</li> <li>• Utopia: Loam Taxons</li> <li>• Spectrum: Categorical</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Mapping)</li> <li>• Proteus (Global Agent List)</li> </ul>	<ul style="list-style-type: none"> <li>• Deconjugation activity</li> <li>• Oxalate levels</li> <li>• Equol-producing genera</li> <li>• TMAO</li> <li>• SIBO / methanogens</li> <li>• Fatty acid conversion</li> <li>• Compromised gluten breakdown</li> <li>• General dysbiosis</li> <li>• FUT2 secretor-associated microbiota</li> </ul>
<b>029</b>	<b>MICROBIOME: PATHOLOGY</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomic</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Mapping)</li> <li>• Proteus (Global Agent List)</li> <li>• Eggerthella / TG / HDL</li> <li>• Multiple Sclerosis</li> <li>• Lethal GVHD / survival</li> <li>• Autism / ASD (4)</li> <li>• Depression (3)</li> <li>• IBS / CFS</li> <li>• Sleep loss</li> <li>• Gluten-Induced Immunopath</li> </ul>	<ul style="list-style-type: none"> <li>• Compromised gluten breakdown</li> <li>• Protolerogenic adjuvants</li> <li>• Obesity / Metabolic Syndrome</li> <li>• Ileal Crohn's</li> <li>• Endotoxemia</li> <li>• Fatty liver / NAFLD</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> <li>• Extreme longevity</li> <li>• Pro-inflammatory genera</li> <li>• Parkinson's</li> <li>• Polycystic ovary syndrome (PCOS)</li> </ul>

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<b>030</b>	<b>MICROBIOME: ANCESTRAL / CORE / KEYSTONE</b>	
	<ul style="list-style-type: none"> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Proteus (Global Agent List)</li> <li>• Diversity</li> <li>• Mucin-Degrading Microbiota</li> <li>• General dysbiosis</li> <li>• Microbiota Enterotype</li> </ul>	<ul style="list-style-type: none"> <li>• FUT2 secretor-associated microbiota</li> <li>• Deconjugation activity</li> <li>• Protolerogenic adjuvants</li> <li>• Extreme longevity</li> <li>• Pro-inflammatory genera</li> <li>• Mucin-degrading keystone (Akkermansia)</li> <li>• Faecalibacterium</li> </ul>
<b>031</b>	<b>MICROBIOME: BUTYRATE / PROPIONATE</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomics</li> <li>• Colorectal cancer – Genomics</li> <li>• Type 2 Diabetes - Genomics</li> <li>• Spectrum: Categorical</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Mapping)</li> <li>• Proteus (Global Agent List)</li> </ul>	<ul style="list-style-type: none"> <li>• Gluten breakdown</li> <li>• Pro-inflammatory genera</li> <li>• Obesity / Metabolic Syndrome</li> <li>• IBS / CFS</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> <li>• Parkinson's</li> <li>• Gluten-Induced Immunopathology</li> </ul>
<b>032</b>	<b>MICROBIOME: INFLAMMATION / HISTAMINE</b>	
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomics</li> <li>• Histamine – Genomics</li> <li>• Inflammation – Genomics</li> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Map)</li> <li>• Proteus (Global Agent List)</li> </ul> <p><b>Programmatics:</b></p> <ul style="list-style-type: none"> <li>• Eggerthella / TG / HDL</li> <li>• TMAO</li> <li>• Compromised gluten breakdown</li> </ul>	<ul style="list-style-type: none"> <li>• Gluten-Induced Immunopathology</li> <li>• General dysbiosis</li> <li>• Microbiota Enterotype</li> <li>• Lethal GVHD / survival</li> <li>• Protolerogenic adjuvants</li> <li>• Ileal Crohn's</li> <li>• Endotoxemia</li> <li>• Pro-inflammatory genera</li> <li>• IBS / CFS</li> <li>• Fatty liver / NAFLD</li> <li>• Bacterial translocation</li> <li>• Gut permeability</li> </ul>

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<b>033</b>	<b>MICROBIOME: OBESITY</b>
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomics</li> <li>• Obesity – Genomics</li> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Radiance (Network Mapping)</li> <li>• Proteus (Global Agent List)</li> <li>• General dysbiosis</li> <li>• Deconjugation activity</li> <li>• Pro-inflammatory genera</li> <li>• IBS / CFS</li> <li>• Obesity / Metabolic Syndrome</li> </ul>
<b>034</b>	<b>MICROBIOME: PREBIOTICS / PROBIOTICS / SUPPLEMENTS / FIBER</b>
	<ul style="list-style-type: none"> <li>• GI Inflammation – Genomics</li> <li>• Utopia: Loam Taxons</li> <li>• Spectrum: Categorical</li> <li>• Pansophia: Sequential</li> <li>• Microbolome (KEGG Pathway)</li> <li>• Radiance (Network Mapping)</li> <li>• Monza (Antibiotics)</li> <li>• Proteus (Global Agent List)</li> <li>• TMAO</li> <li>• Sleep loss</li> <li>• General dysbiosis</li> <li>• Microbiota Enterotype</li> <li>• FUT2 secretor-associated microbiota</li> <li>• Deconjugation activity</li> <li>• Pro-inflammatory genera</li> <li>• Obesity / Metabolic Syndrome</li> <li>• Bacterial translocation</li> <li>• Gut permeability – Leaky gut</li> </ul>
<b>035</b>	<b>NEURO: BRAIN AND DEVELOPMENTAL</b>
	<ul style="list-style-type: none"> <li>• ADHD / ADD</li> <li>• Anxiety / Panic Disorders</li> <li>• Asperger syndrome</li> <li>• Autism / ASD</li> <li>• Bipolar Depression</li> <li>• Depression – MDD</li> <li>• Developmental</li> <li>• Circadian / Sleep</li> <li>• Intelligence / IQ</li> <li>• Novelty-seeking / impulsivity</li> <li>• Psycho-social genomics</li> <li>• PTSD / trauma / adverse early-life environment</li> </ul>
<b>036</b>	<b>NEURO: COGNITION AND AGING</b>
	<ul style="list-style-type: none"> <li>• Anxiety / Panic Disorders</li> <li>• Depression – MDD</li> <li>• Circadian / Sleep</li> <li>• Cortisol / ACTH / Stress</li> <li>• Dementia / Alzheimer's</li> <li>• Brain / Aging</li> <li>• Intelligence / IQ</li> <li>• Parkinson's disease</li> <li>• Psycho-social genomics</li> <li>• Schizophrenia</li> <li>• Telomere length</li> </ul>

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<b>037</b>	<b>NEURO: PSYCHIATRY AND DISORDERS</b>	
	<ul style="list-style-type: none"> <li>• ADHD / ADD</li> <li>• Anxiety / Panic Disorders</li> <li>• Bipolar Depression</li> <li>• Depression – MDD</li> <li>• Borderline Personality (BPD)</li> <li>• Antisocial Personality (ASPD)</li> <li>• Circadian / Sleep</li> <li>• Cortisol / ACTH / Stress</li> </ul>	<ul style="list-style-type: none"> <li>• Epilepsy</li> <li>• Headaches / Migraines</li> <li>• Novelty-seeking / impulsivity</li> <li>• Pathological aggression</li> <li>• PTSD / trauma / adverse early-life environment</li> <li>• Schizophrenia</li> <li>• Suicide</li> </ul>
<b>038</b>	<b>NUTRIENTS – FOODS AND DRINKS</b>	
	<ul style="list-style-type: none"> <li>• Berries</li> <li>• Broccoli sprouts / sulforaphane</li> <li>• Conjugated linoleic acid (CLA)</li> <li>• Garlic / onions</li> <li>• Green tea / EGCG</li> <li>• Fish</li> <li>• Fish oil</li> <li>• Krill oil</li> <li>• Flaxseed meal</li> </ul>	<ul style="list-style-type: none"> <li>• Noni / noni juice</li> <li>• Vegetables</li> <li>• Fruits</li> <li>• Nuts and seeds</li> <li>• Cinnamon</li> <li>• Lecithin</li> <li>• Wheat / gluten</li> <li>• Coconut / MCT</li> </ul>
<b>039</b>	<b>NUTRIENTS – MINERALS</b>	
	<ul style="list-style-type: none"> <li>• Boron</li> <li>• Calcium</li> <li>• Chlorine</li> <li>• Chromium</li> <li>• Fluorine / fluoride</li> <li>• Iron</li> <li>• Iodine</li> <li>• Lithium</li> </ul>	<ul style="list-style-type: none"> <li>• Magnesium</li> <li>• Manganese</li> <li>• Molybdenum</li> <li>• Phosphorus</li> <li>• Selenium</li> <li>• Sodium / Potassium</li> <li>• Strontium</li> <li>• Trace minerals</li> </ul>

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040	NUTRIENTS – SUPPLEMENTS & OTHER	
	<ul style="list-style-type: none"> <li>• Alcohol</li> <li>• Alpha-lipoic acid (ALA)</li> <li>• Arginine</li> <li>• Ashwagandha</li> <li>• Berberine</li> <li>• Betaine</li> <li>• Bromelain</li> <li>• Caffeine</li> <li>• Caloric restriction</li> <li>• Carnitine / Acetyl-L-Carnitine</li> <li>• Chondroitin sulfate</li> <li>• Citrulline</li> <li>• Co-enzyme Q10</li> <li>• Curcumin / turmeric</li> <li>• L-Phenylalanine</li> <li>• DL-Phenylalanine – DLPA</li> <li>• EGCG – high dose</li> <li>• Ergothioneine</li> <li>• Garcinia cambogia</li> <li>• Glycine</li> <li>• Guggulu</li> <li>• Hawthorn</li> <li>• Inulin / chicory root L-theanine</li> </ul>	<ul style="list-style-type: none"> <li>• Lactobacillus reuteri</li> <li>• Larch arabinogalactan (ARA)</li> <li>• Lithium orotate</li> <li>• Lysine</li> <li>• Maca root</li> <li>• Magnolia officinalis</li> <li>• Methionine</li> <li>• N-acetylcysteine (NAC)</li> <li>• N-acetylglucosamine (NAG)</li> <li>• Naringenin</li> <li>• Oligoribonucleotides (ORN)</li> <li>• PQQ</li> <li>• Quercetin</li> <li>• Red wine, Resveratrol</li> <li>• Rhodiola rosea</li> <li>• S-adenosylmethionine (SAMe)</li> <li>• Salvia miltiorrhiza (Danshen)</li> <li>• Soy / soy protein</li> <li>• Yerba mate tea / extract</li> <li>• Taurine</li> <li>• Trehalose</li> <li>• Tryptophan</li> <li>• 5-HTP</li> </ul>
041	NUTRIENTS – VITAMINS	
	<ul style="list-style-type: none"> <li>• Choline</li> <li>• Beta-carotene, Vit. A retinol</li> <li>• Vitamin B1 (thiamine)</li> <li>• Vitamin B2 (riboflavin)</li> <li>• Vitamin B3 (niacin)</li> <li>• Vitamin B3 (niacinamide / nicotinamide)</li> <li>• Vitamin B3 (nicotinamide mononucleotide, NMN)</li> <li>• Vitamin B3 (nicotinamide riboside)</li> <li>• Vitamin B5 (pantothenic acid)</li> <li>• Vitamin B6 (pyridoxine)</li> <li>• Vitamin B6 (pyridoxal-5-phosphate)</li> <li>• Vitamin B9 (folic acid)</li> </ul>	<ul style="list-style-type: none"> <li>• Vitamin B9 (folates)</li> <li>• Vitamin B9 (calcium folinate)</li> <li>• Vitamin B9 (5-methyl tetrahydrofolate (5-THF))</li> <li>• Vitamin B12 (cobalamin)</li> <li>• Vitamin B12 (adenosyl / hydroxy)</li> <li>• Vitamin B12 (hydroxycobalamin)</li> <li>• Vitamin B12 (methylcobalamin)</li> <li>• Vitamin C</li> <li>• Vitamin E (d-alpha tocopherol)</li> <li>• Vitamin E (dl-alpha tocopherol)</li> <li>• Vitamin E (mixed tocopherols)</li> <li>• Vitamin K1 (phyloquinone, phytonadione)</li> <li>• Vitamin K2 (menaquinone, MK-4)</li> <li>• Vitamin K2 (menaquinone, MK-7)</li> </ul>

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<b>042</b>	<b>ONCOLOGY</b>	
	<ul style="list-style-type: none"> <li>• Bladder</li> <li>• Brain</li> <li>• Breast</li> <li>• ER+ breast</li> <li>• Cervical (cervix uteri)</li> <li>• Colorectal</li> <li>• Endometrial / uterine (corpus uteri)</li> <li>• Esophageal</li> <li>• Gallbladder</li> <li>• Glioblastoma</li> <li>• Glioma</li> <li>• Hepatocellular carcinoma</li> <li>• Kidney (renal cell and renal pelvis)</li> <li>• Leukemia (all types)</li> </ul>	<ul style="list-style-type: none"> <li>• Lung</li> <li>• Melanoma / skin</li> <li>• Meningioma</li> <li>• Non-Hodgkin's lymphoma (NHL)</li> <li>• Oral / lip</li> <li>• Ovarian</li> <li>• Pancreatic</li> <li>• Phase 1 enzymes</li> <li>• Phase 2 enzymes</li> <li>• Pituitary adenoma</li> <li>• Prostate</li> <li>• Stomach</li> <li>• Top tumor genes and functions</li> <li>• Thyroid</li> </ul>
<b>043</b>	<b>ONCOLOGY – BREAST</b>	
	<ul style="list-style-type: none"> <li>• Oncology – Breast</li> <li>• ER+</li> <li>• ER+ breast Adiponectin signaling</li> <li>• Angiogenesis / metastasis</li> <li>• Apoptosis network</li> <li>• Autophagy</li> <li>• BRCA1 / BRCA2</li> <li>• Chemo pharmacogenomics</li> </ul>	<ul style="list-style-type: none"> <li>• Chemobrain cognitive dysfunction Progesterone PROGINS</li> <li>• Notch signaling network</li> <li>• Proto-oncogene network</li> <li>• Radiation therapy</li> <li>• Tumor suppressor analysis</li> <li>• Upper aerodigestive cancers</li> <li>• Vitamin D-mediated network</li> <li>• Warburg Effect</li> </ul>
<b>044</b>	<b>ONCOLOGY – PROSTATE</b>	
	<ul style="list-style-type: none"> <li>• Oncology – Prostate</li> <li>• BRCA1 / BRCA2</li> <li>• Chemo pharmacogenomics</li> <li>• Chemobrain cognitive dysfunction</li> <li>• Radiation therapy</li> <li>• Vitamin D-mediated network</li> <li>• Tumor suppressor analysis</li> <li>• CYP19A1 analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Autophagy</li> <li>• Apoptosis network</li> <li>• North signaling network</li> <li>• Proto-oncogene network</li> <li>• Angiogenesis / metastasis</li> <li>• Warburg Effect</li> <li>• Selenium requirements</li> </ul>

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<b>045</b>	<b>ONCOLOGY – COLORECTAL</b>	
	<ul style="list-style-type: none"> <li>• Oncology – Colorectal</li> <li>• BRCA1 / BRCA2</li> <li>• Chemo pharmacogenomics</li> <li>• Chemobrain cognitive dysfunction</li> <li>• Radiation therapy</li> <li>• Vitamin D-mediated network</li> <li>• Tumor suppressor analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Oncology – microbiome</li> <li>• Autophagy</li> <li>• Apoptosis network</li> <li>• North signaling network</li> <li>• Proto-oncogene network</li> <li>• Angiogenesis / metastasis</li> <li>• Warburg Effect</li> </ul>
<b>046</b>	<b>ONCOLOGY – LUNG</b>	
	<ul style="list-style-type: none"> <li>• Oncology – Breast</li> <li>• BRCA1 / BRCA2</li> <li>• Chemo pharmacogenomics</li> <li>• Chemobrain cognitive dysfunction</li> <li>• Radiation therapy</li> <li>• Vitamin D-mediated network</li> <li>• Tumor suppressor analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Lung oxidation / redox</li> <li>• Autophagy</li> <li>• Apoptosis network</li> <li>• North signaling network</li> <li>• Proto-oncogene network</li> <li>• Angiogenesis / metastasis</li> <li>• Warburg Effect</li> <li>• Pulmonary fibrosis</li> </ul>
<b>047</b>	<b>ONCOLOGY – CERVICAL</b>	
	<ul style="list-style-type: none"> <li>• Oncology – Breast</li> <li>• BRCA1 / BRCA2</li> <li>• Chemo pharmacogenomics</li> <li>• Radiation therapy</li> <li>• Vitamin D-mediated network</li> <li>• Tumor suppressor analysis</li> <li>• HPV vaccine analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Autophagy</li> <li>• Apoptosis network</li> <li>• North signaling network</li> <li>• Proto-oncogene network</li> <li>• Angiogenesis / metastasis</li> <li>• Warburg Effect</li> </ul>
<b>048</b>	<b>PEDIATRICS</b>	
	<ul style="list-style-type: none"> <li>• Pre-pregnancy</li> <li>• Pregnancy / Breastfeeding</li> <li>• Family planning</li> <li>• Fertility and conception</li> <li>• Introduction of solid foods</li> </ul>	<ul style="list-style-type: none"> <li>• Post-partum &amp; nutrients</li> <li>• Post-partum depression</li> <li>• Infant needs</li> <li>• Supplements – mother</li> <li>• Supplements – infant</li> </ul>
<b>049</b>	<b>PHARMACOGENOMICS / PSYCHOTROPICS</b>	
	<ul style="list-style-type: none"> <li>• Antidepressants</li> <li>• Anxiolytics &amp; hypnotics</li> <li>• Antipsychotics</li> <li>• Mood stabilizers</li> <li>• Stimulants</li> <li>• Inflammatory networks</li> </ul>	<ul style="list-style-type: none"> <li>• Non-stimulants</li> <li>• Pharmacodynamics</li> <li>• Pharmacokinetics</li> <li>• Pharma: gene-drug interactions</li> <li>• Dopamine / serotonin analysis</li> <li>• Top recommended supplements</li> </ul>

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<b>050</b>	<b>PRE-OP WORKUP</b>	
	<ul style="list-style-type: none"> <li>• Thrombosis risk including: Factor II, V, R2, VIII, FGG, C, S</li> <li>• Tissue antioxidant status</li> <li>• Collagen / healing</li> <li>• Infection risk – general</li> <li>• Infection risk – pneumonia</li> </ul>	<ul style="list-style-type: none"> <li>• Infection risk – UTI</li> <li>• Infection risk – sepsis</li> <li>• Myocardial infarction risk</li> <li>• Oxygenation / RBC</li> <li>• Organ / tissue rejection / GVHD</li> <li>• Blood group analysis</li> </ul>
<b>051</b>	<b>STRUCTURAL</b>	
	<ul style="list-style-type: none"> <li>• Bone density / osteoporosis</li> <li>• Muscle / tendon / ligament</li> <li>• Collagen</li> </ul>	<ul style="list-style-type: none"> <li>• Dental caries</li> <li>• Gingivitis / periodontal disease</li> <li>• Growth / developmental</li> </ul>
<b>052</b>	<b>VACCINES (NOT INCLUDING COVID-19)</b>	
	<ul style="list-style-type: none"> <li>• Vaccines – general</li> <li>• Vaccines – response, reactions, titers summary</li> <li>• Vaccines – general detox</li> <li>• Vaccines – DTap</li> <li>• Vaccines – MMR</li> <li>• Vaccines – HepA</li> <li>• Vaccines – HepB</li> </ul>	<ul style="list-style-type: none"> <li>• Vaccines – HIB</li> <li>• Vaccines – HPV / Gardasil</li> <li>• Vaccines – Polio</li> <li>• Vaccines – Meningococcal</li> <li>• Vaccines – Pneumococcal</li> <li>• Vaccines – Varicella / chicken pox</li> <li>• Vaccines – typhoid</li> <li>• Vaccines – BCG / TB</li> </ul>
<b>053</b>	<b>VEGETARIAN / VEGAN</b>	
	<ul style="list-style-type: none"> <li>• Protein requirements</li> <li>• Choline requirements</li> <li>• Tyrosine requirements</li> <li>• Vitamin A retinol requirements</li> <li>• CLA requirements</li> <li>• Fish requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Mediterranean diet analysis</li> <li>• Low fat diet genomics</li> <li>• Dairy requirements</li> <li>• HDL / LDL cholesterol analysis</li> <li>• Fish oil / krill oil</li> <li>• Vitamin B12 requirements</li> </ul>
<b>054</b>	<b>OTHER</b>	
	<ul style="list-style-type: none"> <li>• UVB phototherapy</li> <li>• Infrared phototherapy</li> <li>• Ancestral genomics</li> <li>• Ancestral immune</li> </ul>	<ul style="list-style-type: none"> <li>• Electromagnetic sensitivity</li> <li>• Blood groups / Lewis subtypes</li> <li>• Vision / Macular Degeneration</li> <li>• Rare variants</li> </ul>

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