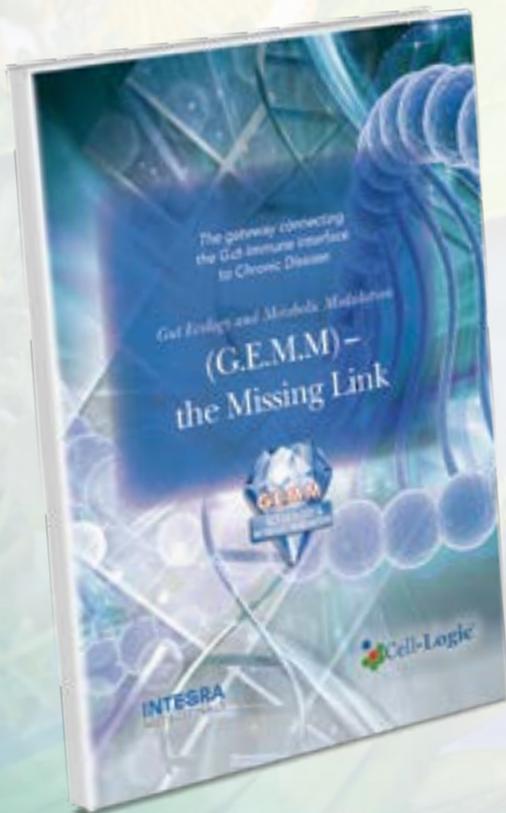


Don't miss this ground-breaking **HALF-DAY SEMINAR**

The gateway connecting the Gut-Immune Interface to Chronic Disease



Gut Ecology and Metabolic Modulation (G.E.M.M) – the Missing Link



How the G.E.M.M. Protocol Targets Chronic Disease

With its focus on modulating gut ecology, G.E.M.M. targets the Gut-Immune interface, regenerating gut barrier dynamics. With gut homeostasis restored, the factors driving infection, inflammation, allergy and autoimmunity are downregulated.

Gradual restoration of normal cell signalling impacts distant organs and systems, resulting in enhanced cardiometabolic health and the halting of chronic disease progression.

Continuing Professional Education 4 Hours

What Clinicians are seeing in practice

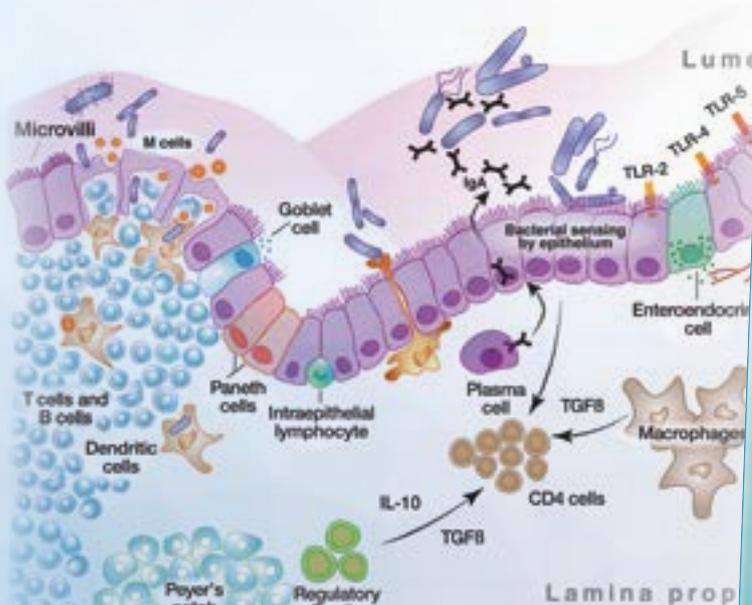
Since utilising the G.E.M.M. Protocol in my practice, I have observed a number of improvements in patients within days and weeks of beginning the protocol. These patients have not normally responded to any other treatment modality over many years of seeing various Practitioners

D.D. Melbourne Naturopath with over 25 years clinical experience.

SESSION 1

The Gut-Immune Interface – strategies for restoring the 'missing link'

- ❖ What differentiates G.E.M.M. from other 'gut health' programmes.
- ❖ How the science underpinning G.E.M.M. validates the Hippocrates' age-old tenet; 'all disease begins in the gut'.
- ❖ How to identify the typical G.E.M.M.-responsive patient.
- ❖ What to test – and how. Incorporating inexpensive monitoring tools.
- ❖ Zeroing in on the tight junction – much more than gluten avoidance.
- ❖ Introducing the nuances of the key 'players' – Intestinal Epithelial Cells, Goblet Cells, Paneth Cells, Dendritic Cells, Immune Cells, the Microbiota...
- ❖ The Toll-like receptors – why they should be targets and how to influence them
 - Endotoxin – why it's a key factor you can readily influence
 - The Microbiota – who eats what and why?
 - Why small intestine and colon cells have different dietary preferences
 - Enhancing synthesis of neurotransmitters – e.g., gut vs brain serotonin



SESSION 2

Targeting the gut to address distant organ systems

- ❖ Learn how G.E.M.M. addresses both epithelial cells lining the gut, respiratory system and elsewhere and the endothelial cells lining blood vessels and the blood-brain barrier.
- ❖ Highlighting the G.E.M.M. strategies that influence gut wall signalling, subsequently translating into enhanced cardiometabolic function with improved insulin sensitivity.
- ❖ Utilising G.E.M.M. to protect and regenerate the vulnerable pancreatic beta-cell and to influence the glucose transporters GLUT-2 and GLUT-4.
- ❖ How G.E.M.M. optimises the Gut-Liver axis – enhanced detoxification, improved glucose regulation, reversal of NAFLD.

Implementing G.E.M.M. in the Clinic

- The optional 3-day G.E.M.M. Accelerator
- The rationale for the G.E.M.M. formulations
- Testing and monitoring progress – using simple but effective tools
- Case Studies

Becoming an Accredited G.E.M.M. Clinician

Clinicians attending the G.E.M.M. training may, if they wish, become part of our referral base for interested consumers/patients.

Clinicians can be listed on the Cell-Logic website to coincide with campaigns to provide consumer awareness of the value of G.E.M.M. in a range of conditions.

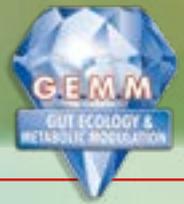
Learning More, Beyond G.E.M.M.– Advanced Training

There are many subtle nuances embedded in the G.E.M.M. Protocol – and far more extensive than can be included in a ½-day seminar.

The launch of an online eLearning modularised programme, Mastering the G.E.M.M. Protocol is planned for the second half of 2019.

It is intended that clinicians will become part of a G.E.M.M. community that will continue to advance the science of the Gut-Immune interface and its related metabolic effects.

Your Presenters



Dr Christine Houghton
PhD., BSc., R.Nutr.

Following 30 years in private practice as a Chiropractor and Nutritional Medicine clinician, Christine discovered the power of Nutrigenomics to impact human health.

This interest led her to enroll in a research-focused PhD whilst developing the technology needed for her company Cell-Logic to produce a nutraceutical-grade broccoli sprout material. EnduraCell® yields the highest sulforaphane level of broccoli sprout products anywhere in the world.

Christine subsequently went on to formulate a range of high-end nutrigenomically-active supplements, the most recent of which have been developed as part of the G.E.M.M. Protocol.

She is an engaging speaker whose passion for her work is evident. She enjoys translating complex human biochemistry in order to share its clinical relevance with other clinicians.



Robert Thomas ND

With extensive experience as both a clinician and an educator, Robert holds the position of Professional Educator with Cell-Logic, where he has played an integral role for the past four years.

As a Naturopathic practitioner, he has over three decades' experience, encompassing many aspects of the natural medicine profession. Prior to joining Cell-Logic, Robert had established a successful naturopathic clinic in Far North Queensland in which he had practised for over a decade.

His regular presentations are inspirational, focusing on new developments in the field and with a special emphasis on the science of Nutrigenomics.

Robert's in-depth knowledge, his diverse clinical experience and relaxed teaching style make him a popular presenter at Australian and international events.

WHAT CLINICIANS SAY ABOUT CELL-LOGIC EDUCATIONAL EVENTS

"...Christine, I admire the way you have built up the requisite knowledge base and resuscitated the internal scientist that is in every health care provider."

Dr Rachael Gonzalez MD. USA.

"... what an informative session... the content was right up my alley. Rob, I LOVE the imagery... Love all the Integra Nutritional products. I have been using them for several years now with sensational results. But I understand the Biochem so much more now."

Alexandra Brewster – Naturopath, Nutritionist and Western Herbalist. Eastern Heights, Australia.

"...I like your education style - as an educator (and trainer of trainers) I always appreciate well-constructed slides and simple analogies.

Well done Robert! "

Bronwen King – Registered Nutritionist. Christchurch, New Zealand.

"...Christine has a passion for developing formulations that go deep into the cellular level – to the genes and DNA.

She explains things in an easy-to-understand way. Inspiring our patients to better health is made so much easier by having someone like Christine at the helm of a company that excels in research and education.

Peter Kahler ND – Longevity Specialist. Bulimba, Australia.

"..... Nutrigenomics is a complicated rapidly-evolving subject.. As a biological dentist, it is essential that the key elements are integrated into my holistic general practice. Christine Houghton is a wonderful teacher and her clear but detailed presentations give clarity to the subject but also fuel enthusiasm for the future of nutritional medicine."

Dr David Cowhig BDS(Lond) FACNEM(Dent) ACAAM – Holistic Dentist. Brisbane, Australia.

"...Christine, your Module 2 Biochemistry is absolutely brilliant! I have another Biochem class with my Masters in Genetics and it's violently painful, to say the least – half-way through your module I can already say that it's helped me understand concepts I couldn't wrap my mind around."

Christine Marmoy – Dietitian – Detox Allergy Clinic. London.

"...I have been bowled over by the detail covered in the (Nutrigenomics) course. Christine has presented the complexity of biochemistry in an accessible and engaging manner. I can highly recommend it and feel it should be mandatory for any clinician offering DNA testing."

Dr Julie Etellin MD. South Africa.

"Please, give us more clinicians like Dr. Houghton. Her understanding of cellular health and digestive healing is solid. She has the clearest treatment-oriented map I've seen from a clinician, thanks to her science background.

She also has a talent for explaining what she knows in effective, practical terms. If you are offered the opportunity to learn from her, I cannot recommend her highly enough."

Joshua Zader, MS(Clinical Psychology). Tucson, Arizona, USA.

Where to attend a G.E.M.M. Seminar – Register Today!

FOR ALL SESSIONS IN ALL CITIES

REGISTRATION	From 8:00 am	A light healthy breakfast will be served
Session 1a	9:00am - 9:50am	
	9.50am - 10:00am	10 minute break
Session 1b	10:00am - 10:45am	
	10:45am - 11:10am	A healthy light lunch 25 minute break
Session 2a	11:10am - 12 noon	
	12 noon - 12:10pm	10 minute break
Session 2b	12:10pm - 1:30pm	

HOW TO REGISTER: Use [Eventbrite registration](#) for your preferred venue (below)

SYDNEY

When: Saturday 18th May, 2019

Where: SMC Conference Centre
66 Goulburn Street, Sydney

Register: <https://gemmsydney.eventbrite.com.au/>

Password: cell2019

MELBOURNE

When: Sunday 19th May, 2019

Where: Amora Hotel Riverwalk
649 Bridge Road, Richmond

Register: <https://gemmvictoria.eventbrite.com.au/>

Password: cell2019

Clinicians
\$90^{+GST}

Students
\$45^{+GST}

WHAT YOU WILL RECEIVE:

- Course notes including a copy of the presentation slides
- The G.E.M.M. Quickstart Guide
- Other clinically-relevant material
- Certification with Cell-Logic as a G.E.M.M. trained clinician
- 4 CPE points



BRISBANE

When: Saturday 1st June, 2019

Where: Royal on the Park
152 Alice Street, Brisbane

Register: <https://gemmqld.eventbrite.com.au/>

Password: cell2019

GOLD COAST | NORTHERN RIVERS

When: Sunday 2nd June, 2019

Where: Tweed Ultima Conference Centre
20 Stuart Street, Tweed Heads

Register: <https://gemmgoldcoast.eventbrite.com.au/>

Password: cell2019



"Developing the G.E.M.M. Protocol has been one of the most exciting and challenging programmes I've ever developed, as I've had to interlock so many different aspects of human physiology into a single comprehensive treatment protocol. And as with any large jigsaw puzzle, there is that inimitable sense of satisfaction one feels when the last few pieces fall into place!"

Dr Christine Houghton PhD. Developer of the G.E.M.M. Protocol.

INTEGRA
NUTRITIONALS



Cell-Logic

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Tel: 07 3041 4091 Visit www.cell-logic.com.au